

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042326.D
 Acq On : 15 Apr 2025 11:30
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/16/2025
 Supervised By : Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:29:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.806	49	172263	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	457227	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	411493	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.403 95 325960 9.646 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	214541	8.435	ppbv	99
3) Chlorodifluoromethane	1.483	51	235250	9.054	ppbv	98
4) Chloromethane	1.541	50	89653	8.625	ppbv	98
5) Vinyl Chloride	1.589	62	83204	7.554	ppbv	96
6) Bromomethane	1.677	94	36297	7.705	ppbv	99
7) Chloroethane	1.716	64	32145	7.704	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	182884	8.443	ppbv	94
9) Propene	1.492	41	101034	8.483	ppbv	98
10) Heptane	5.020	43	276748	8.736	ppbv	98
11) Trichlorofluoromethane	1.887	101	202387	8.178	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.153	101	157030	7.719	ppbv	98
13) Ethanol	1.732	45	4440	3.944	ppbv	93
14) Bromoethene	1.793	108	59588	7.646	ppbv	99
15) Acetone	1.845	43	183439	7.614	ppbv	96
16) 1,3-Butadiene	1.619	39	90954	7.731	ppbv	100
17) tert-Butyl alcohol	2.052	59	209737	6.990	ppbv	100
18) 1,1-Dichloroethene	2.046	96	72322	7.605	ppbv	96
19) Isopropyl Alcohol	1.897	45	104424	7.682	ppbv	98
20) Methylene Chloride	2.075	84	60337	6.725	ppbv	90
21) Allyl Chloride	2.111	41	132956	7.825	ppbv	98
22) trans-1,2-Dichloroethene	2.357	96	81572	7.422	ppbv	96
23) Vinyl Acetate	2.480	43	72160	6.920	ppbv	97
24) 1,1-Dichloroethane	2.425	63	169411	8.315	ppbv	100
25) Ethyl Acetate	2.855	43	564611	9.030	ppbv	99
26) Hexane	2.845	57	213782	8.851	ppbv	98
27) Carbon Disulfide	2.166	76	195452	7.547	ppbv	97
28) Methyl tert-Butyl Ether	2.457	73	116301	7.734	ppbv	96
29) Chloroform	2.868	83	314164	8.888	ppbv	100
30) Cyclohexane	3.884	84	173360	8.266	ppbv	98
31) cis-1,2-Dichloroethene	2.739	61	208160	8.490	ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	311758	7.704	ppbv	98
34) 2-Butanone	2.577	43	317117	9.565	ppbv	97
35) Carbon Tetrachloride	3.790	117	317942	8.902	ppbv	99
36) Benzene	3.684	78	424254	9.360	ppbv	94
37) 1,2-Dichloroethane	3.243	62	239556	9.231	ppbv	100
38) Trichloroethene	4.583	130	172146	9.102	ppbv	96
39) 1,2-Dichloropropane	4.350	63	151707	9.190	ppbv	96
40) 1,4-Dioxane	4.622	88	72075	8.226	ppbv #	98
41) Tetrahydrofuran	3.075	42	181471	9.505	ppbv	95
42) Bromodichloromethane	4.525	83	333167	9.313	ppbv	97
43) Methyl Methacrylate	4.923	69	155399	8.098	ppbv	96
44) 2,2,4-Trimethylpentane	4.677	57	728571	9.511	ppbv	99
45) t-1,3-Dichloropropene	6.461	75	151063	7.338	ppbv	96

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Manual Integrations
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 Supervised By : Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:29:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

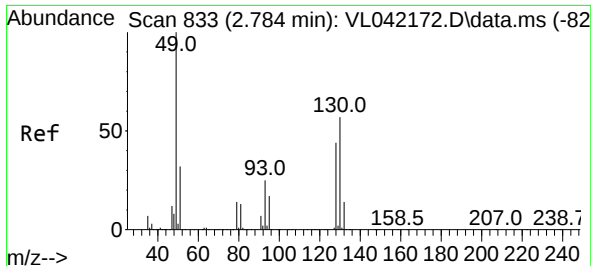
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

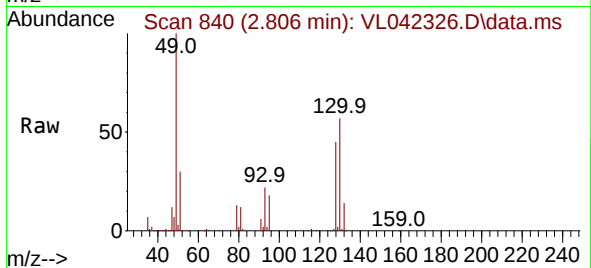
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	204339	8.097	ppbv	98
47) 1,1,2-Trichloroethane	6.626	97	163132	9.348	ppbv	97
48) Dibromochloromethane	7.425	129	272592	9.217	ppbv	99
49) Bromoform	9.513	173	238880	8.997	ppbv	100
50) 4-Methyl-2-Pentanone	5.800	43	442851	8.428	ppbv	97
51) 2-Hexanone	7.474	43	353471	8.192	ppbv #	97
52) Tetrachloroethene	8.260	164	144481	8.037	ppbv	98
53) Toluene	6.975	91	461854	8.595	ppbv	100
54) 1,2-Dibromoethane	7.687	107	220075	9.047	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.956	131	214175	9.455	ppbv	99
57) Chlorobenzene	8.953	112	375357	9.617	ppbv	97
58) Ethyl Benzene	9.383	91	639857	8.754	ppbv	99
59) m/p-Xylene	9.581	91	1063509m	18.222	ppbv	
60) o-Xylene	9.992	91	528896	9.040	ppbv	95
61) Styrene	9.898	104	245300	8.474	ppbv	97
62) Isopropylbenzene	10.565	105	794408	9.079	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.992	83	343786	9.671	ppbv	100
64) n-propylbenzene	11.015	120	212879	9.452	ppbv	95
65) tert-Butylbenzene	11.555	119	721078	8.911	ppbv	97
66) Benzyl Chloride	11.639	91	54427	6.339	ppbv	98
67) sec-Butylbenzene	11.791	105	1026079	9.123	ppbv	99
69) p-Isopropyltoluene	11.947	119	865385	8.935	ppbv	99
70) n-Butylbenzene	12.303	91	884265	8.928	ppbv	99
71) 2-Chlorotoluene	10.927	91	599592	8.830	ppbv	98
72) 4-Ethyltoluene	11.147	105	657765	9.029	ppbv	99
73) 1,3,5-Trimethylbenzene	11.228	105	557593	8.764	ppbv	99
74) 1,2,4-Trimethylbenzene	11.558	105	623563	8.507	ppbv #	86
75) 1,3-Dichlorobenzene	11.630	146	381572	9.492	ppbv	98
76) 1,4-Dichlorobenzene	11.694	146	380035	9.499	ppbv	98
77) 1,2-Dichlorobenzene	11.969	146	379896	9.706	ppbv	97
78) Hexachloro-1,3-Butadiene	13.902	225	311900	7.828	ppbv	99
79) Naphthalene	13.533	128	760876	9.490	ppbv	99
80) Naphthalene,2-methyl-	14.478	142	365398	9.294	ppbv	98
81) 1,2,4-Trichlorobenzene	13.461	180	337032	9.114	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 84
Delta R.T. 0.022 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

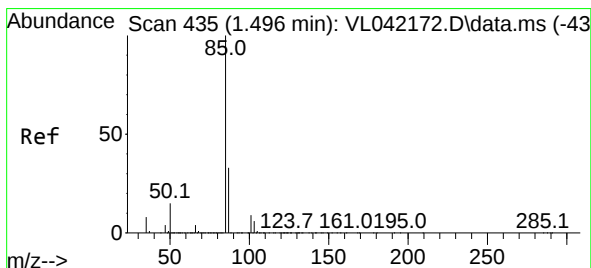
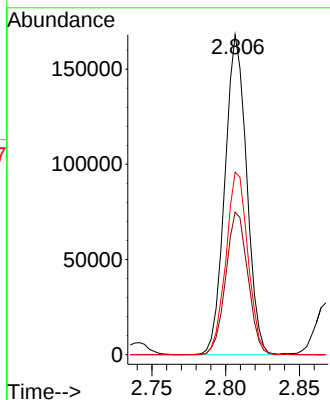
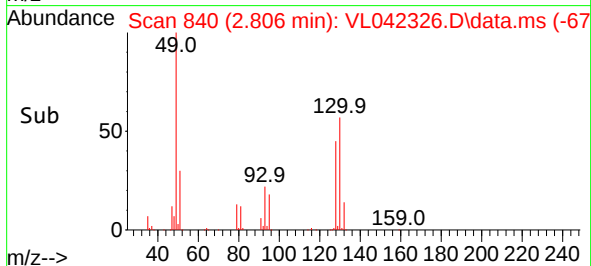
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 17226
Ion Ratio Lower Upper
49 100
128 45.3 22.9 68.5
130 57.8 28.8 86.4

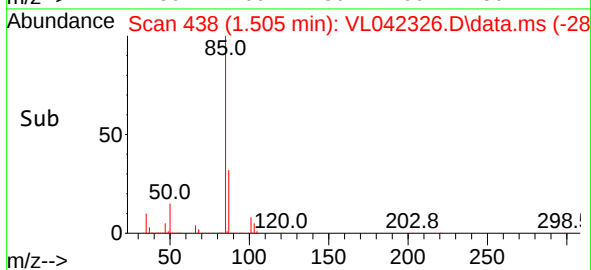
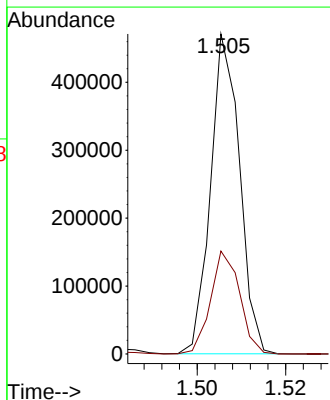
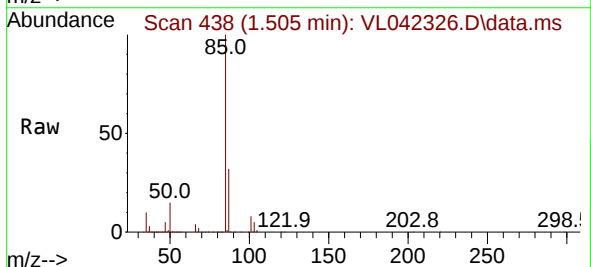
Manual Integrations
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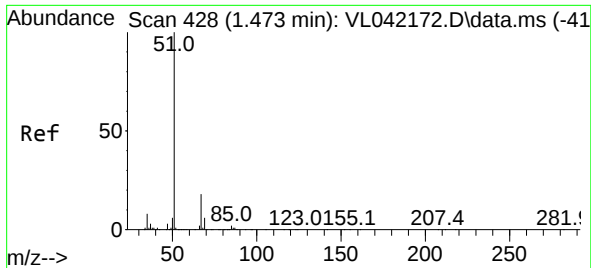
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#2
Dichlorodifluoromethane
Concen: 8.435 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

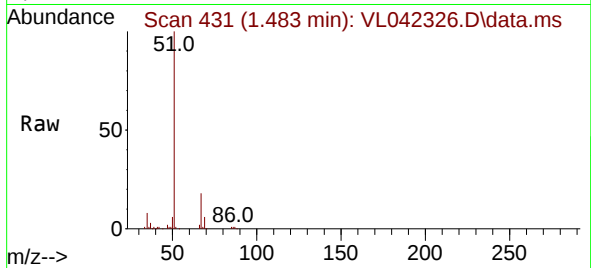
Tgt Ion: 85 Resp: 214541
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1





#3
Chlorodifluoromethane
Concen: 9.054 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

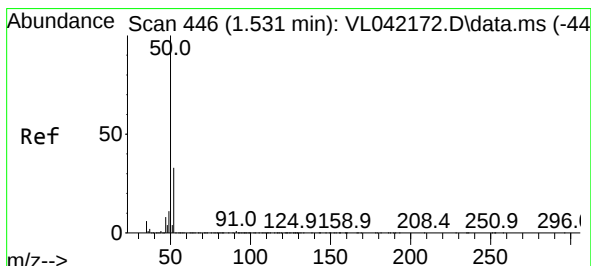
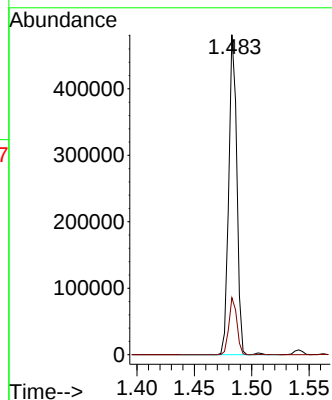
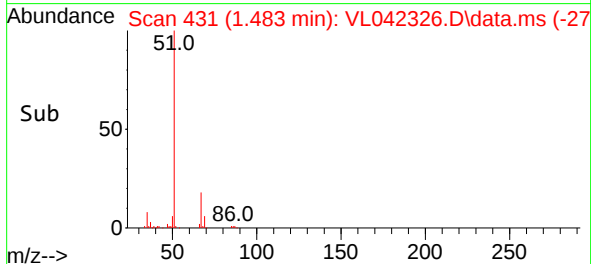
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



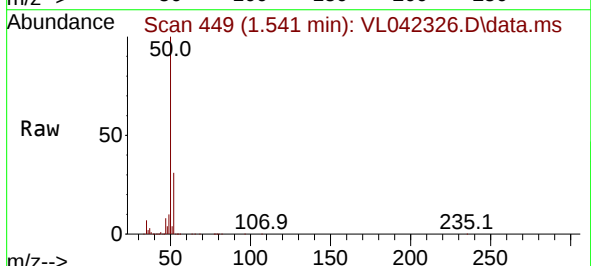
Tgt Ion: 51 Resp: 235250
Ion Ratio Lower Upper
51 100
67 17.7 15.0 22.6

Manual Integrations
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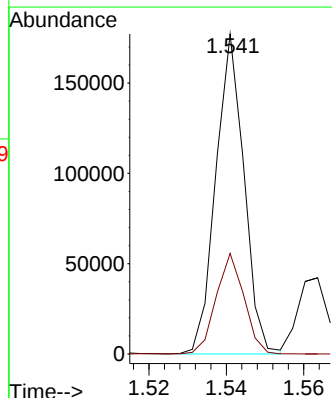
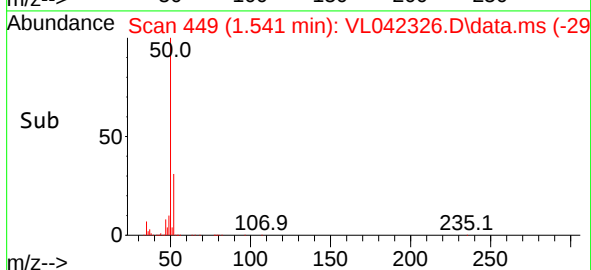
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

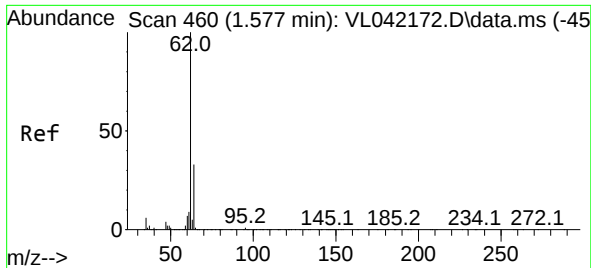


#4
Chloromethane
Concen: 8.625 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



Tgt Ion: 50 Resp: 89653
Ion Ratio Lower Upper
50 100
52 31.4 26.1 39.1





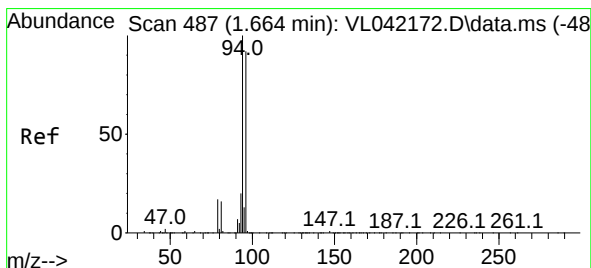
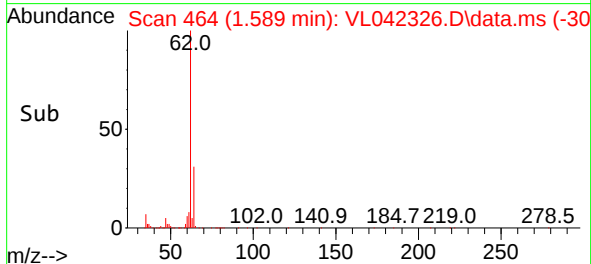
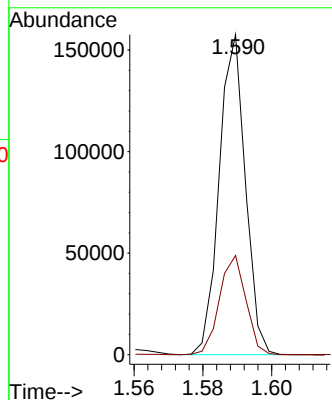
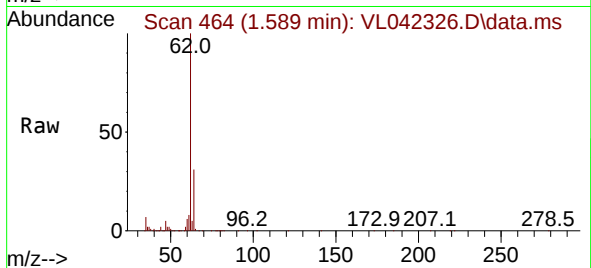
#5
 Vinyl Chloride
 Concen: 7.554 ppbv
 RT: 1.589 min Scan# 408
 Delta R.T. 0.013 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 83204
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.6 40.0

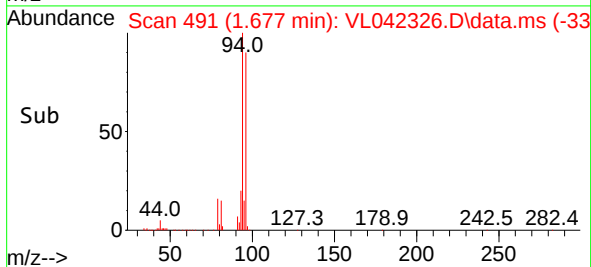
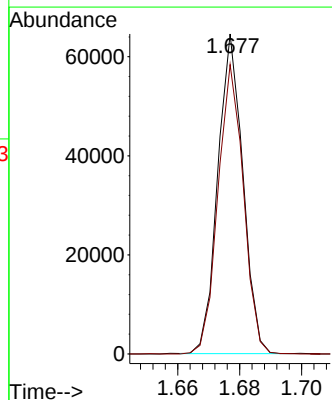
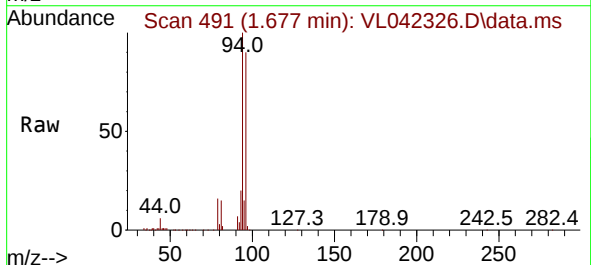
Manual Integrations
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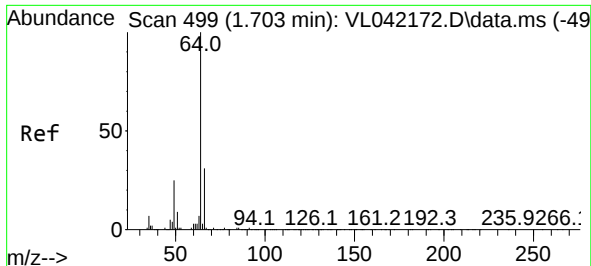
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#6
 Bromomethane
 Concen: 7.705 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.013 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

Tgt Ion: 94 Resp: 36297
 Ion Ratio Lower Upper
 94 100
 96 90.5 73.1 109.7





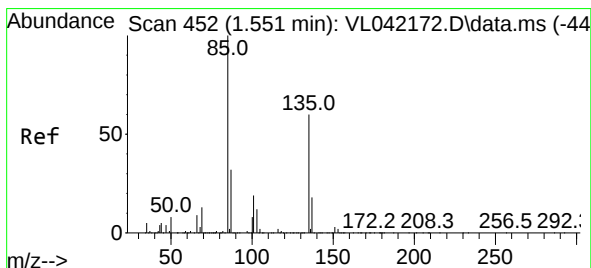
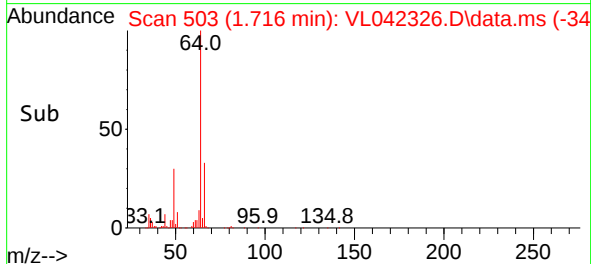
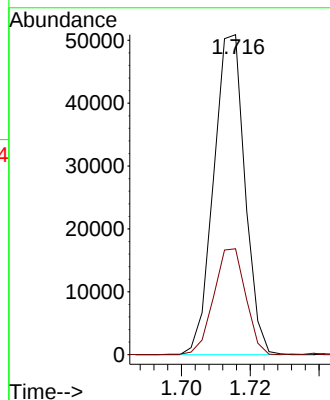
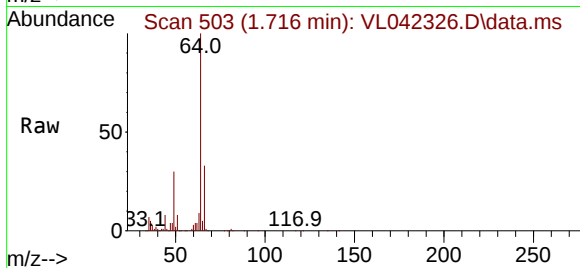
#7
Chloroethane
Concen: 7.704 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 32145
Ion Ratio Lower Upper
64 100
66 33.1 25.2 37.8

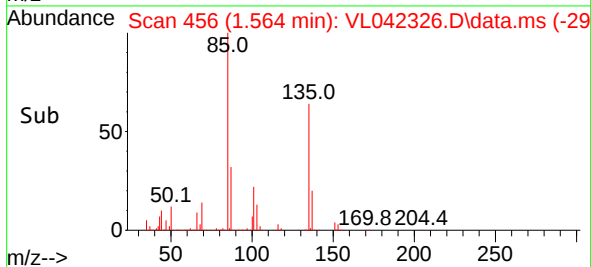
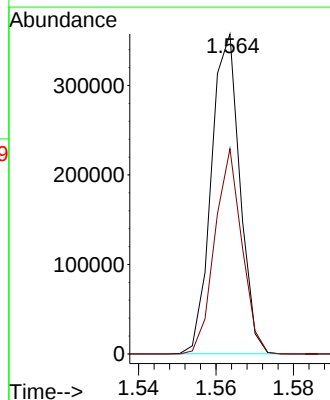
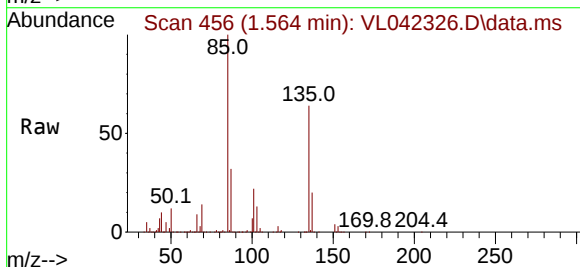
Manual Integrations
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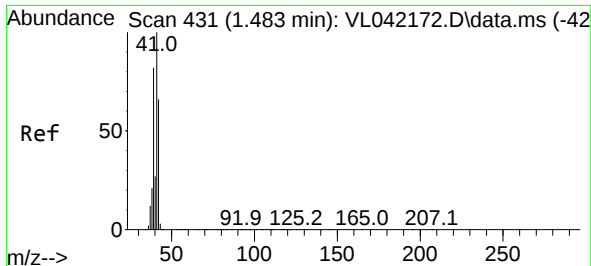
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#8
Dichlorotetrafluoroethane
Concen: 8.443 ppbv
RT: 1.564 min Scan# 456
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion: 85 Resp: 182884
Ion Ratio Lower Upper
85 100
135 60.9 52.4 78.6





#9

Propene

Concen: 8.483 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 101034

Ion Ratio Lower Upper

41 100

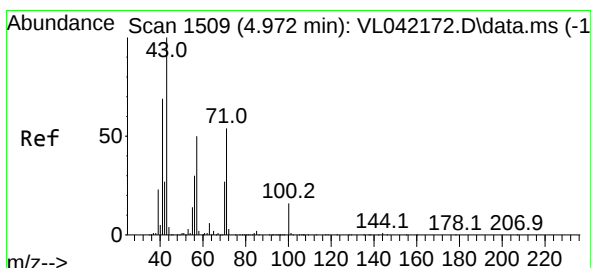
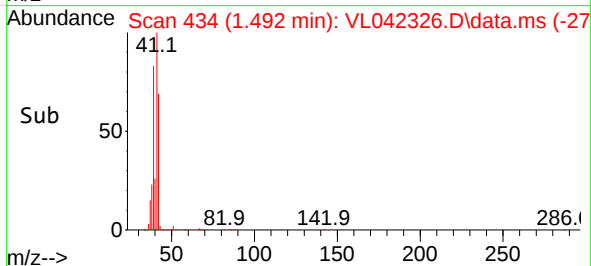
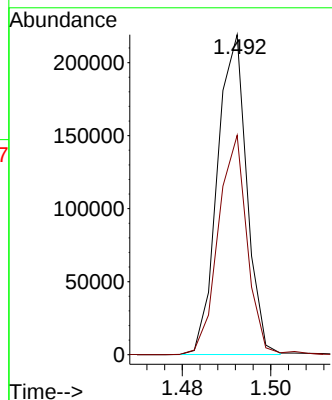
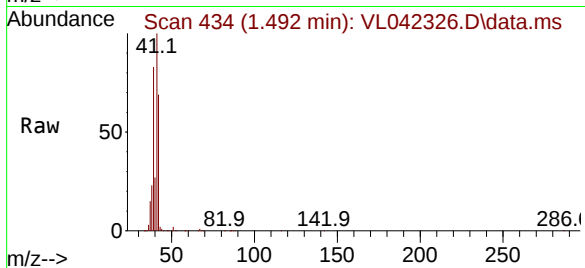
42 67.9 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#10

Heptane

Concen: 8.736 ppbv

RT: 5.020 min Scan# 1524

Delta R.T. 0.048 min

Lab File: VL042326.D

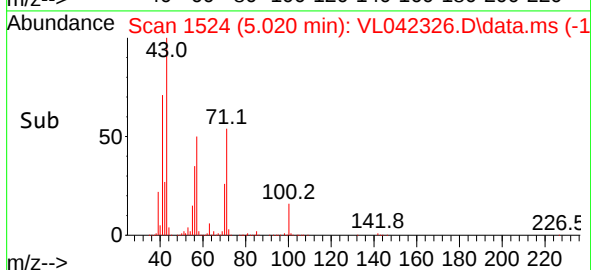
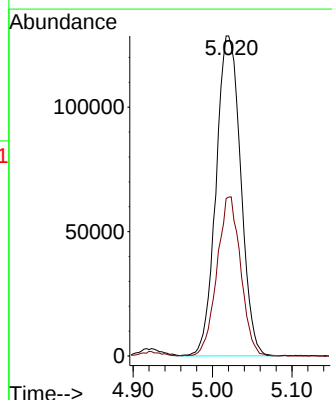
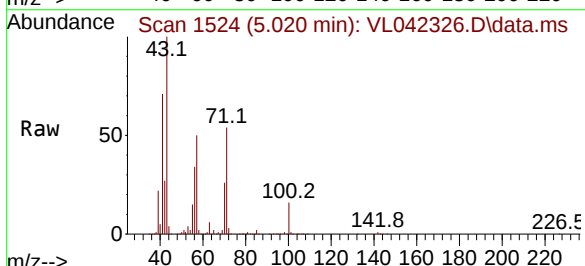
Acq: 15 Apr 2025 11:30

Tgt Ion: 43 Resp: 276748

Ion Ratio Lower Upper

43 100

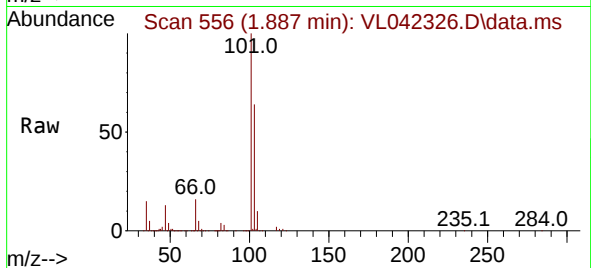
57 47.8 39.4 59.2





#11
Trichlorofluoromethane
Concen: 8.178 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

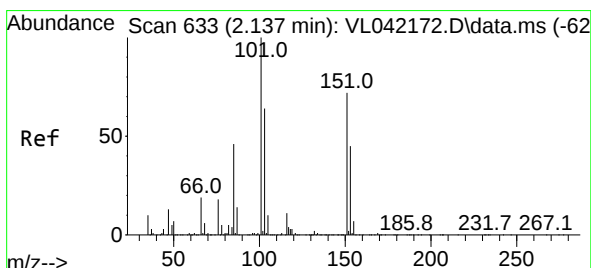
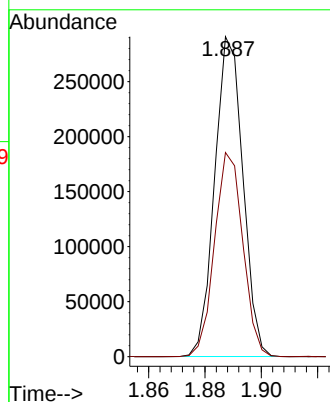
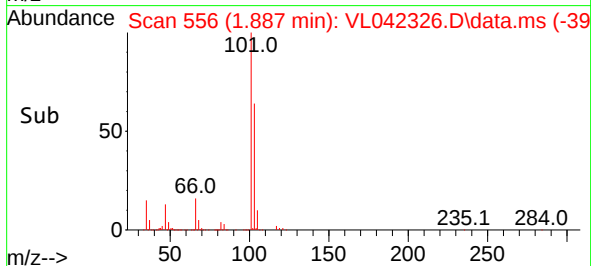
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



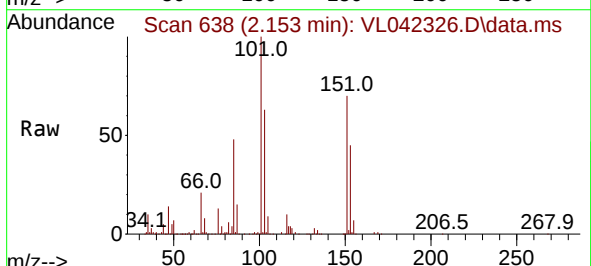
Tgt Ion:101 Resp: 20238
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.2

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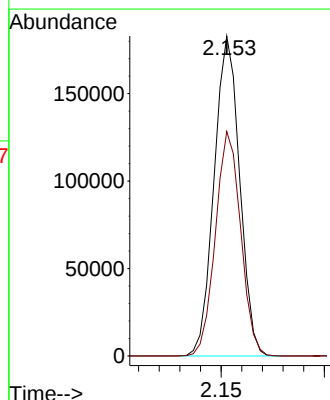
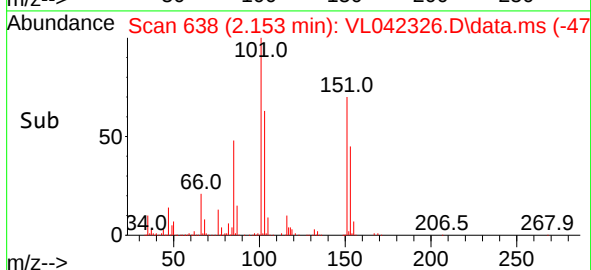
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.719 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.016 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



Tgt Ion:101 Resp: 157030
Ion Ratio Lower Upper
101 100
151 69.5 57.1 85.7





#13

Ethanol

Concen: 3.944 ppbv

RT: 1.732 min Scan# 504

Delta R.T. 0.013 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 4440

Ion Ratio Lower Upper

45 100

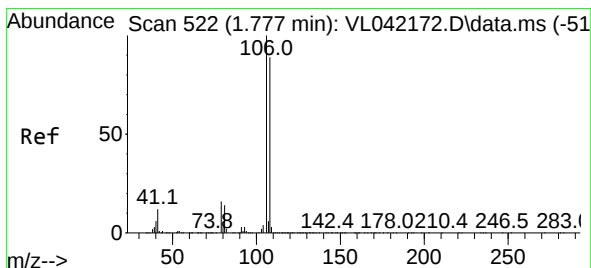
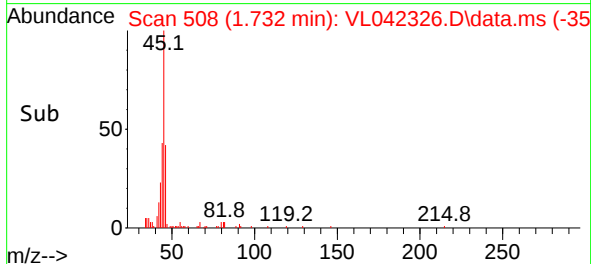
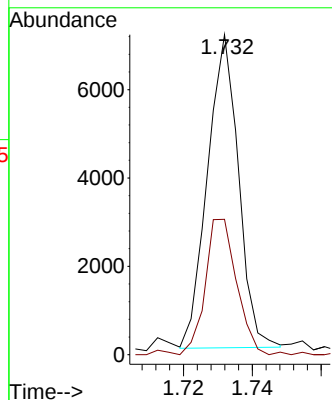
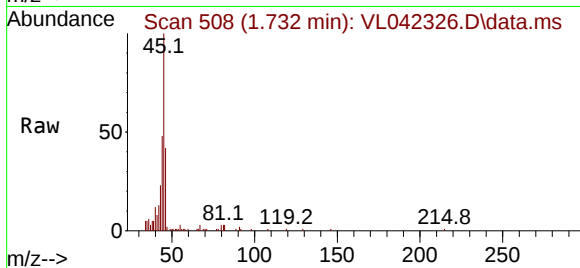
46 45.7 20.2 80.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#14

Bromoethene

Concen: 7.646 ppbv

RT: 1.793 min Scan# 527

Delta R.T. 0.016 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

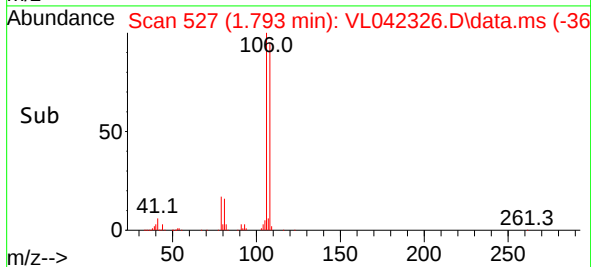
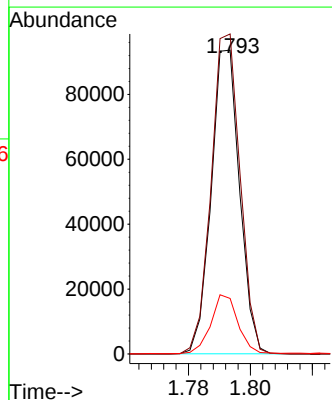
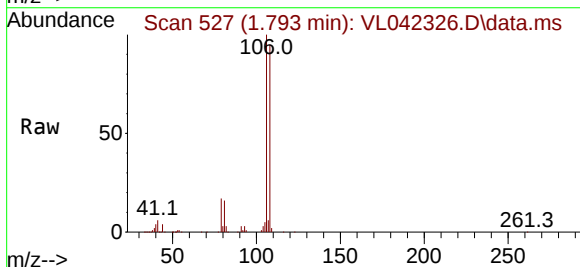
Tgt Ion:108 Resp: 59588

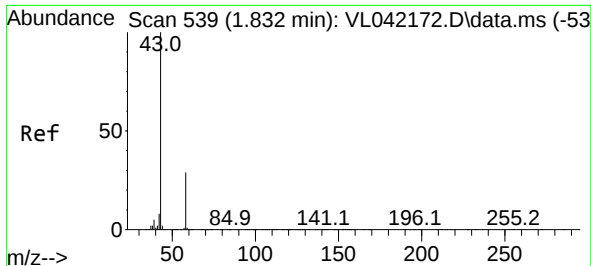
Ion Ratio Lower Upper

108 100

106 107.3 86.8 130.2

79 19.2 15.0 22.6





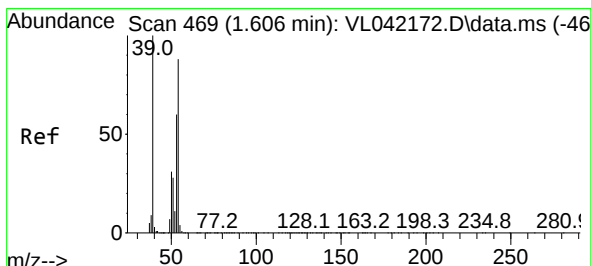
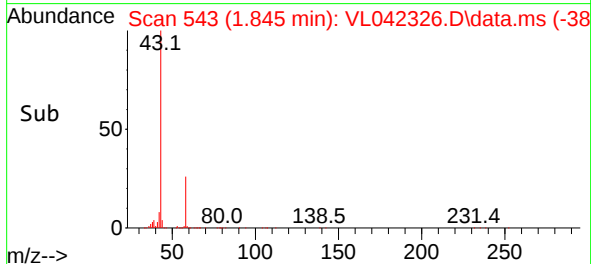
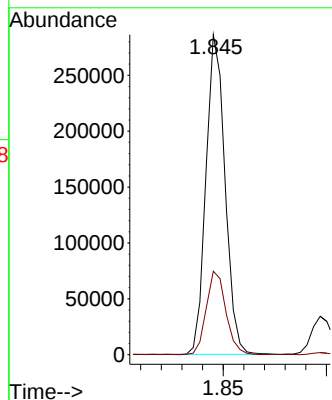
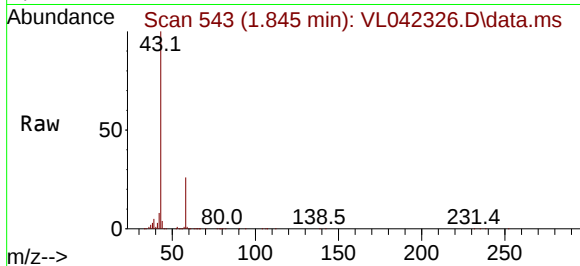
#15
Acetone
Concen: 7.614 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 183439
Ion Ratio Lower Upper
43 100
58 27.0 23.2 34.8

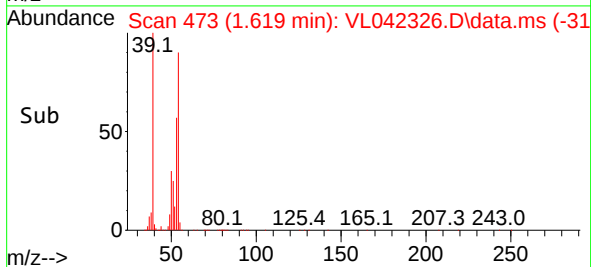
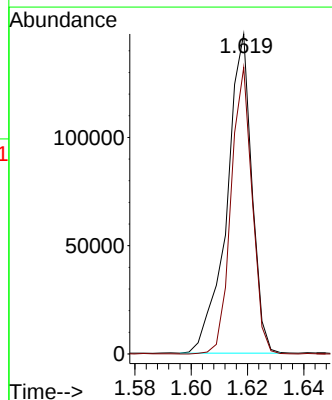
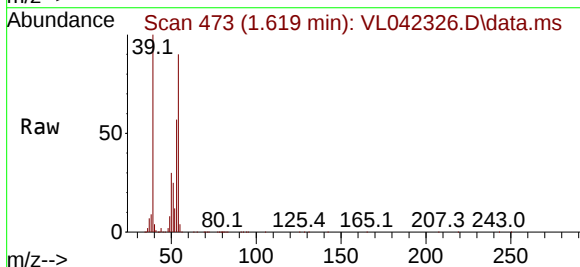
Manual Integrations
APPROVED

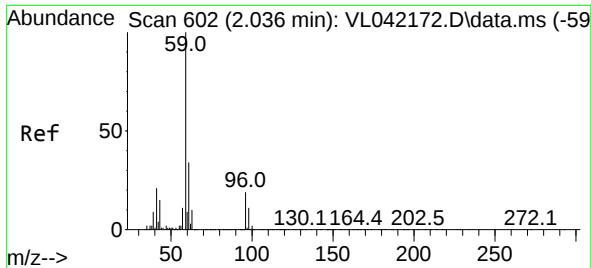
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#16
1,3-Butadiene
Concen: 7.731 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion: 39 Resp: 90954
Ion Ratio Lower Upper
39 100
54 75.6 60.7 91.1





#17

tert-Butyl alcohol

Concen: 6.990 ppbv

RT: 2.052 min Scan# 60

Delta R.T. 0.016 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 20973

Ion Ratio Lower Upper

59 100

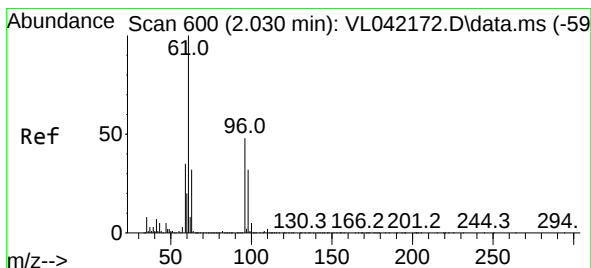
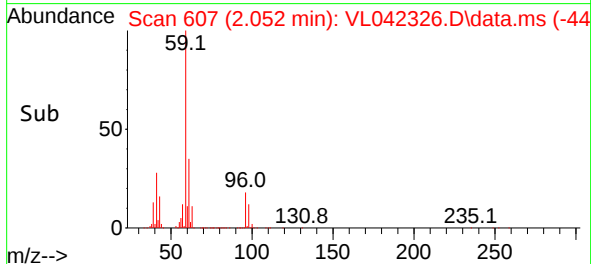
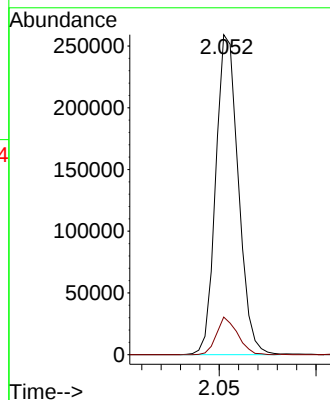
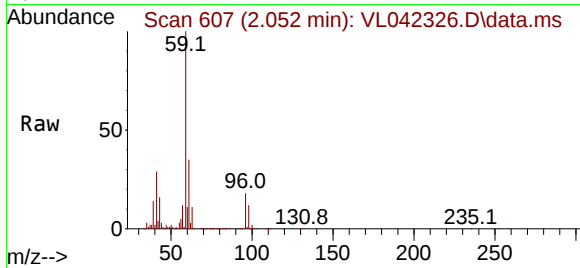
57 11.0 8.9 13.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#18

1,1-Dichloroethene

Concen: 7.605 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.016 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

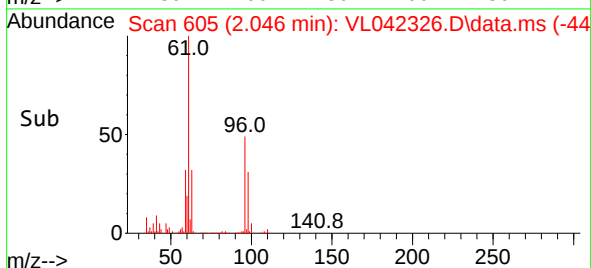
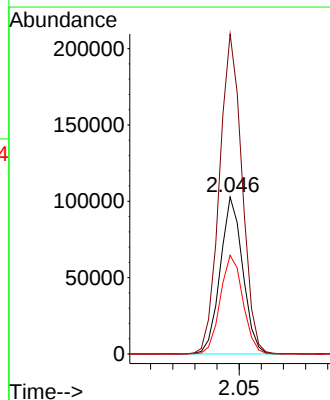
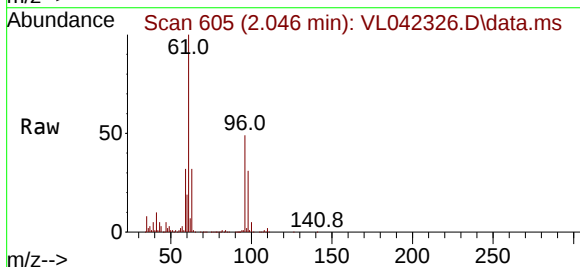
Tgt Ion: 96 Resp: 72322

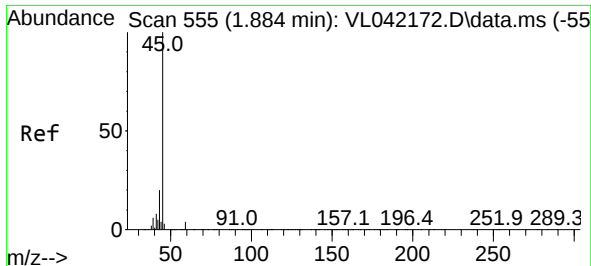
Ion Ratio Lower Upper

96 100

61 203.8 167.6 251.4

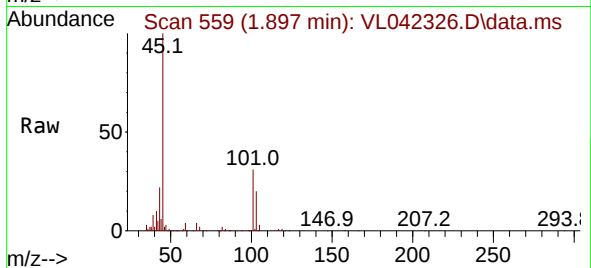
98 62.9 53.5 80.3





#19
Isopropyl Alcohol
Concen: 7.682 ppbv
RT: 1.897 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

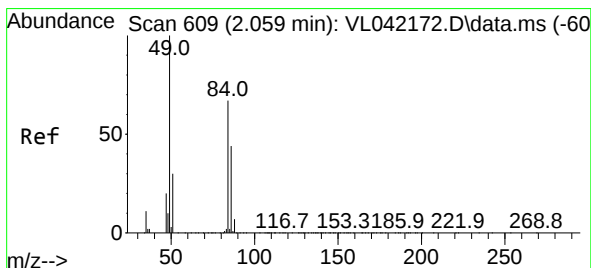
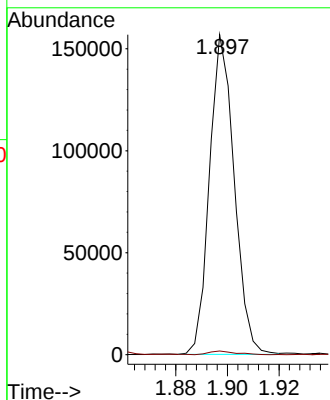
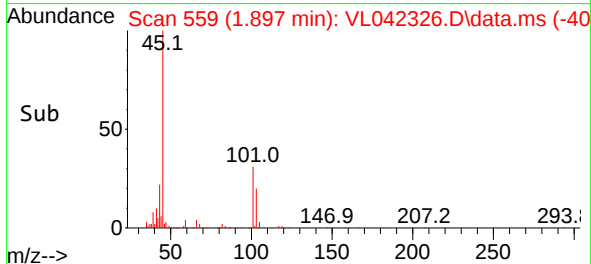
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 45 Resp: 104424
Ion Ratio Lower Upper
45 100
58 47.5 36.9 55.3

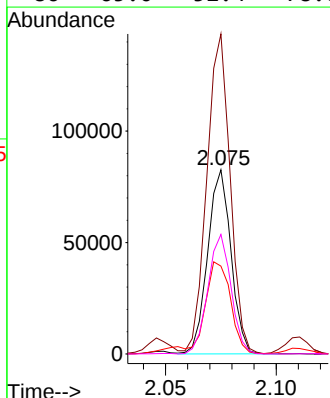
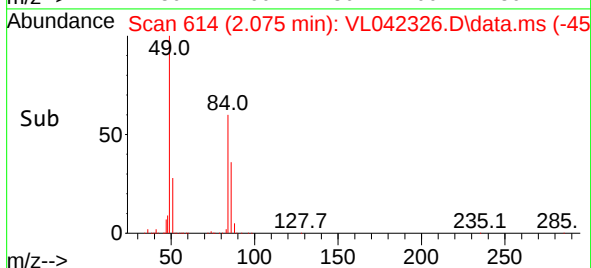
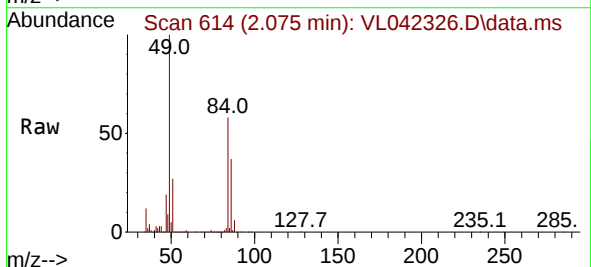
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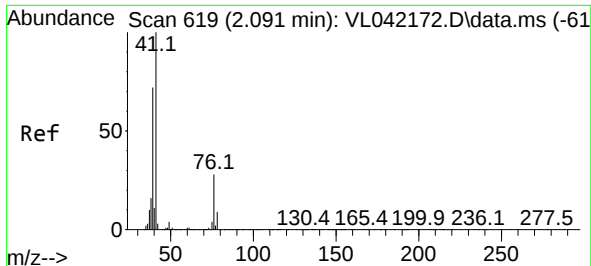
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#20
Methylene Chloride
Concen: 6.725 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

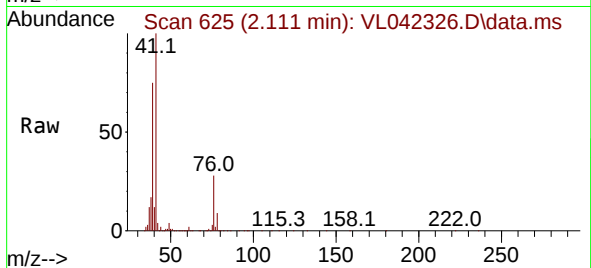
Tgt Ion: 84 Resp: 60337
Ion Ratio Lower Upper
84 100
49 172.1 120.2 180.4
51 47.0 37.4 56.0
86 65.0 52.4 78.6





#21
 Allyl Chloride
 Concen: 7.825 ppbv
 RT: 2.111 min Scan# 61
 Delta R.T. 0.019 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

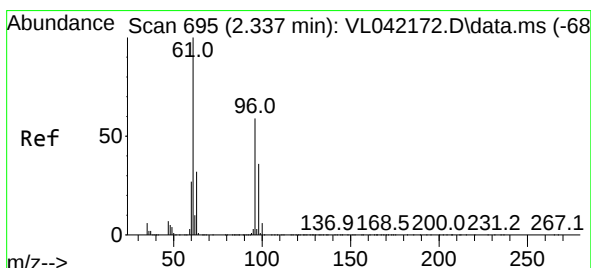
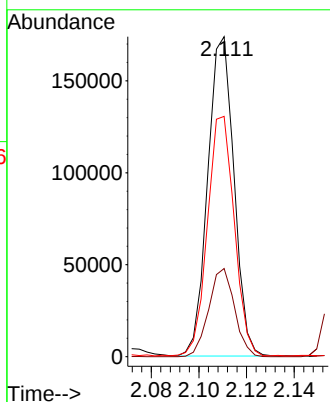
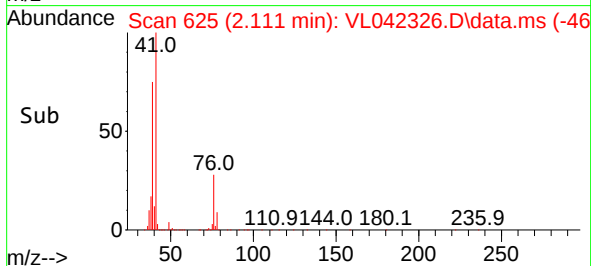
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



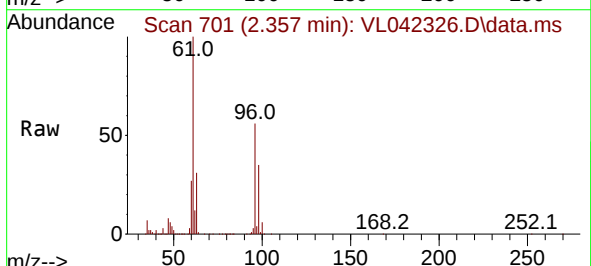
Tgt Ion: 41 Resp: 132950
 Ion Ratio Lower Upper
 41 100
 76 27.1 24.1 36.1
 39 76.9 61.1 91.7

Manual Integrations
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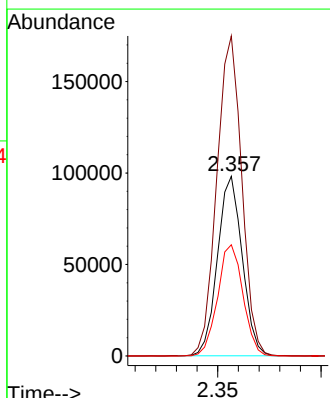
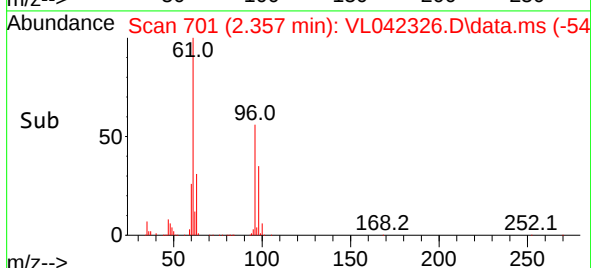
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

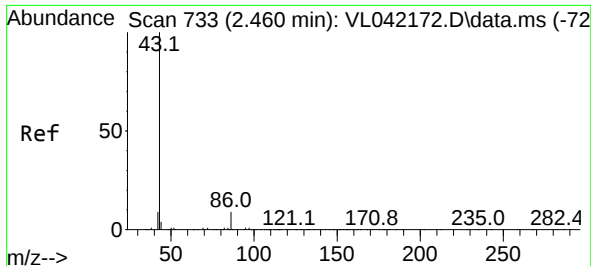


#22
 trans-1,2-Dichloroethene
 Concen: 7.422 ppbv
 RT: 2.357 min Scan# 701
 Delta R.T. 0.019 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30



Tgt Ion: 96 Resp: 81572
 Ion Ratio Lower Upper
 96 100
 61 178.1 136.6 204.8
 98 61.9 49.4 74.2





#23
 Vinyl Acetate
 Concen: 6.920 ppbv
 RT: 2.480 min Scan# 716
 Delta R.T. 0.019 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

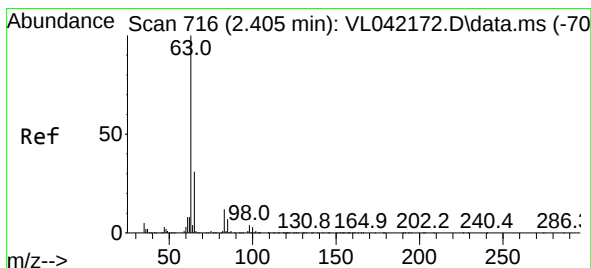
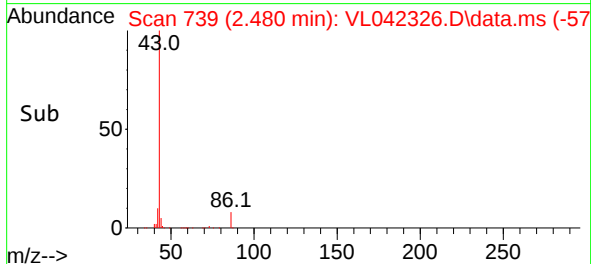
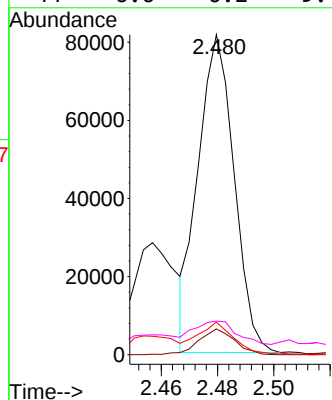
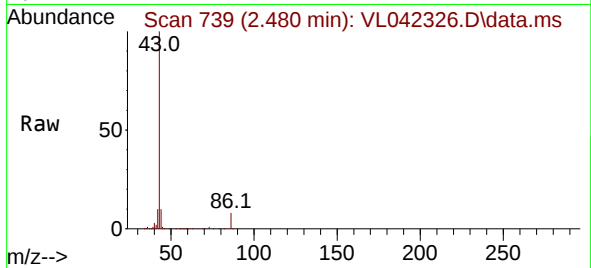
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 72160

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	9.8	8.6	13.0
44	6.6	6.2	9.4

Manual Integrations
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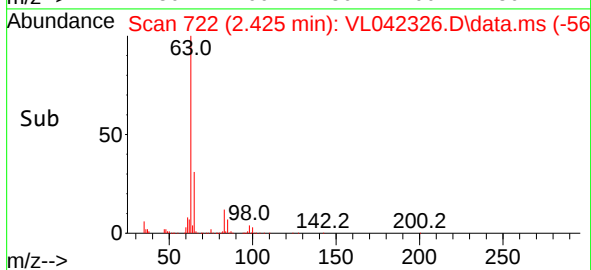
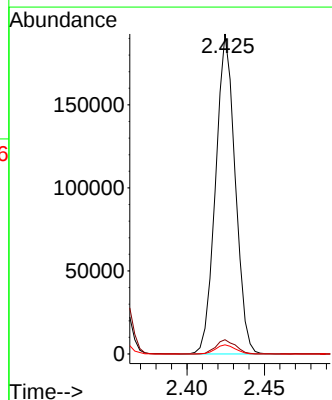
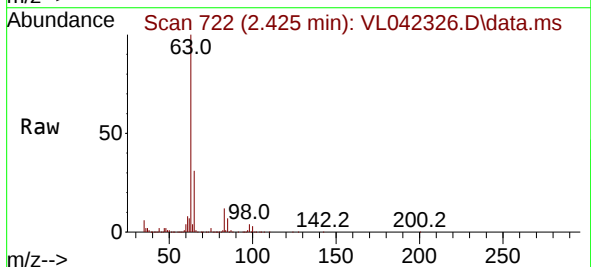
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

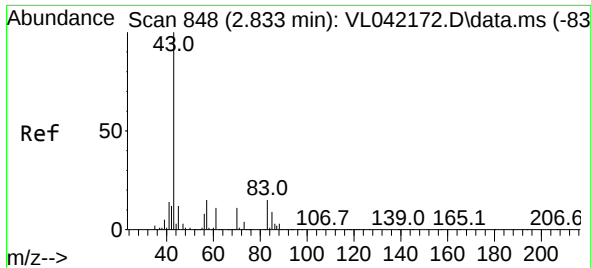


#24
 1,1-Dichloroethane
 Concen: 8.315 ppbv
 RT: 2.425 min Scan# 722
 Delta R.T. 0.019 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

Tgt Ion: 63 Resp: 169411

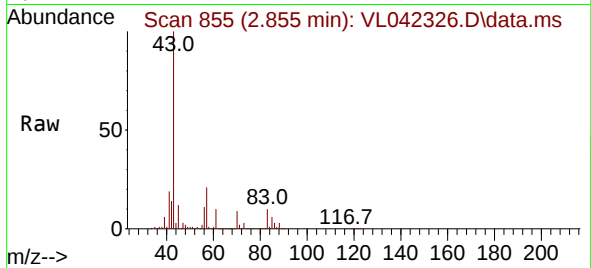
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.8	1.6	4.7





#25
Ethyl Acetate
Concen: 9.030 ppbv
RT: 2.855 min Scan# 811
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

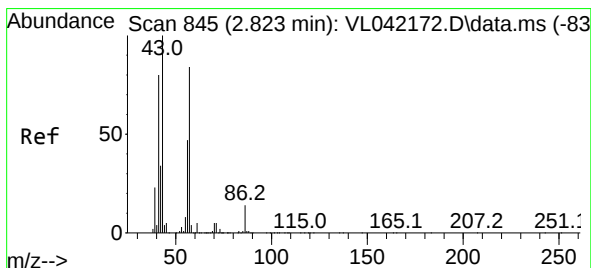
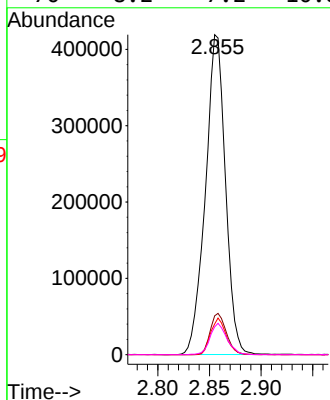
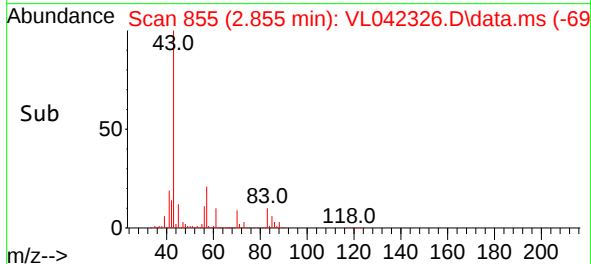
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



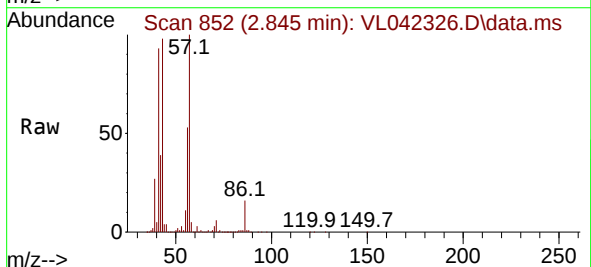
Tgt Ion: 43 Resp: 56461
Ion Ratio Lower Upper
43 100
45 10.4 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8

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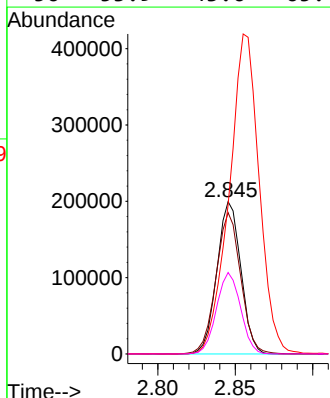
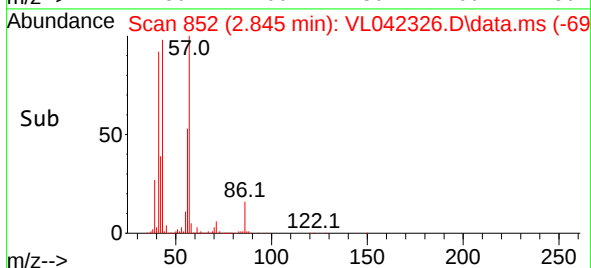
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

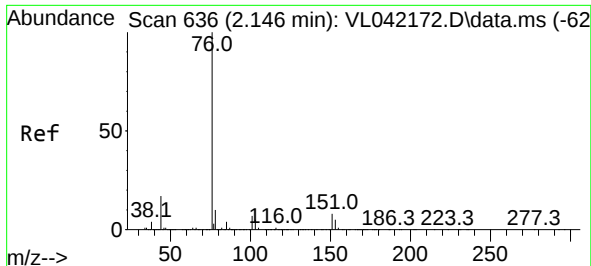


#26
Hexane
Concen: 8.851 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



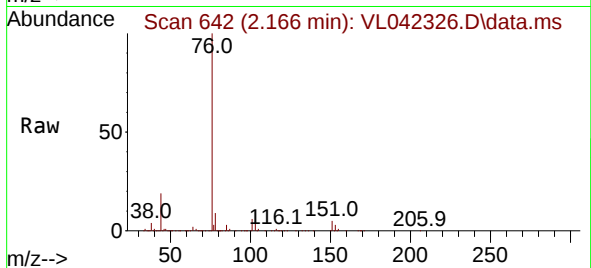
Tgt Ion: 57 Resp: 213782
Ion Ratio Lower Upper
57 100
41 95.9 76.6 114.8
43 264.9 207.8 311.8
56 53.9 43.6 65.4





#27
Carbon Disulfide
Concen: 7.547 ppbv
RT: 2.166 min Scan# 642
Delta R.T. 0.019 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

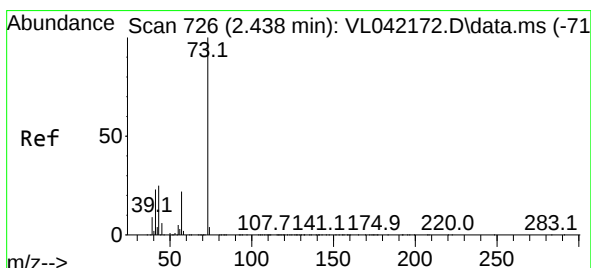
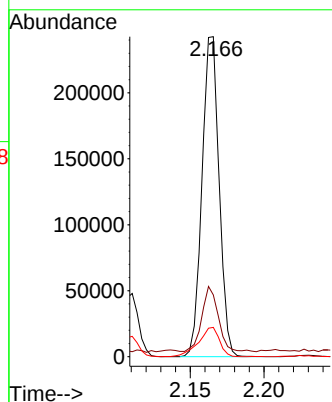
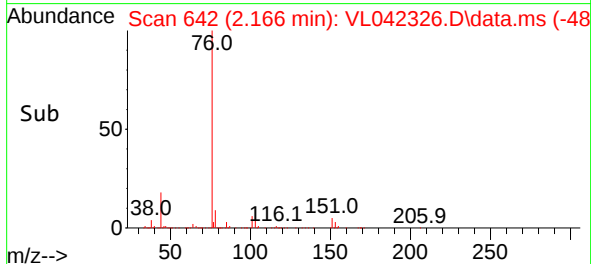
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



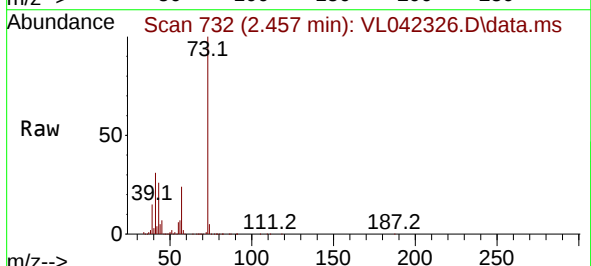
Tgt Ion: 76 Resp: 195452
Ion Ratio Lower Upper
76 100
44 20.1 14.7 22.1
78 11.2 9.3 13.9

Manual Integrations
APPROVED

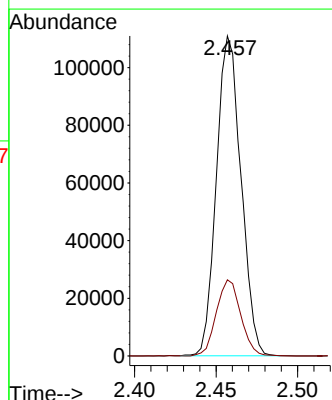
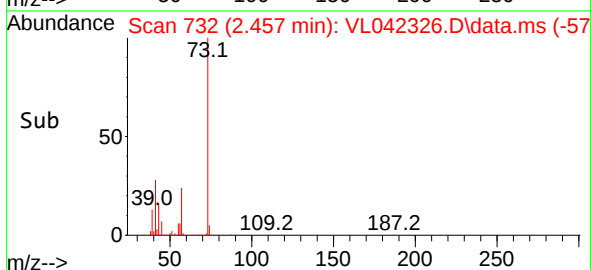
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

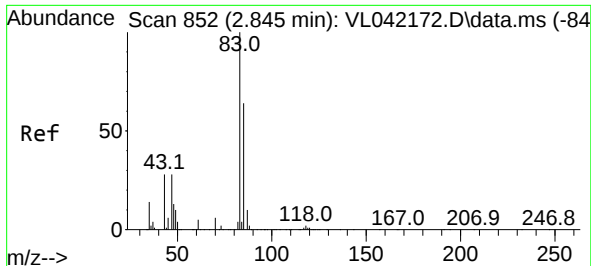


#28
Methyl tert-Butyl Ether
Concen: 7.734 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.019 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



Tgt Ion: 73 Resp: 116301
Ion Ratio Lower Upper
73 100
57 23.7 20.5 30.7





#29

Chloroform

Concen: 8.888 ppbv

RT: 2.868 min Scan# 81

Delta R.T. 0.023 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 314164

Ion Ratio Lower Upper

83 100

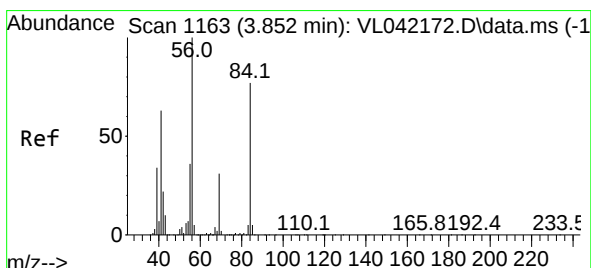
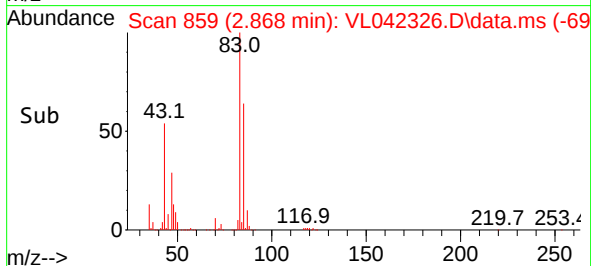
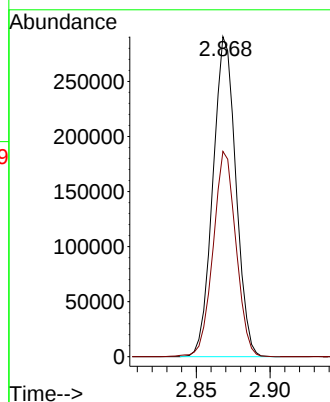
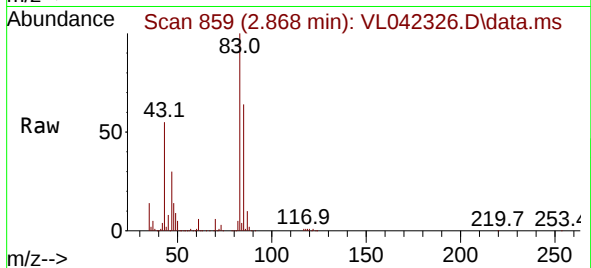
85 64.2 51.4 77.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#30

Cyclohexane

Concen: 8.266 ppbv

RT: 3.884 min Scan# 1173

Delta R.T. 0.032 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

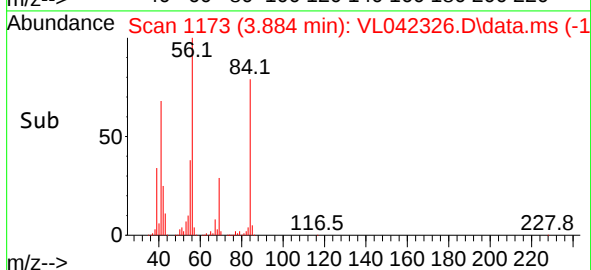
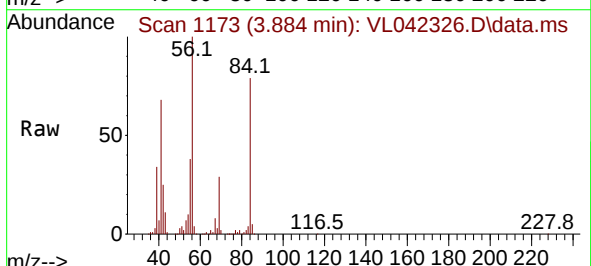
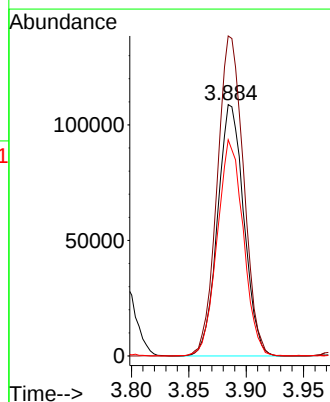
Tgt Ion: 84 Resp: 173360

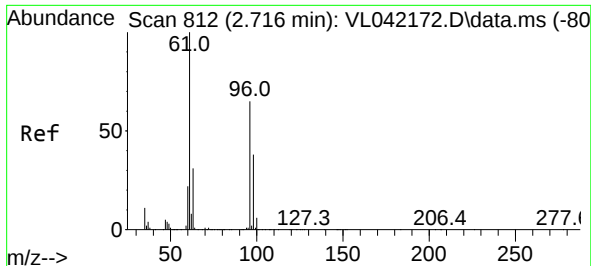
Ion Ratio Lower Upper

84 100

56 127.7 102.8 154.2

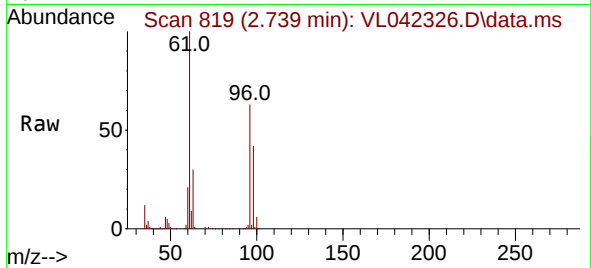
41 85.6 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.490 ppbv
 RT: 2.739 min Scan# 812
 Delta R.T. 0.023 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

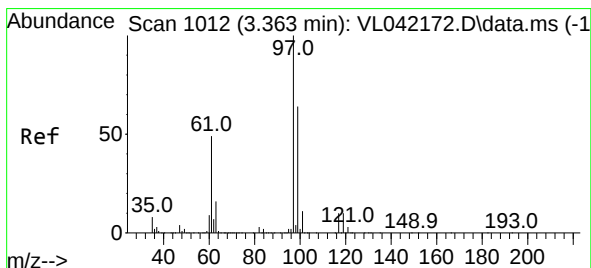
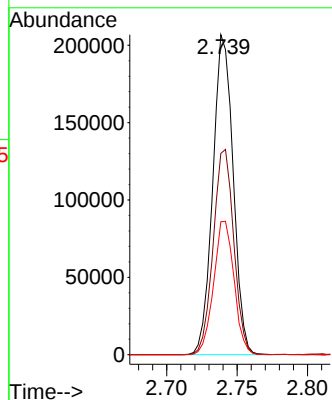
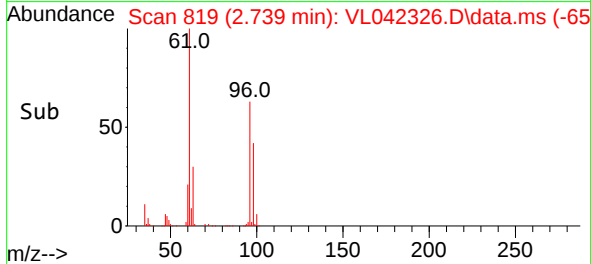
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



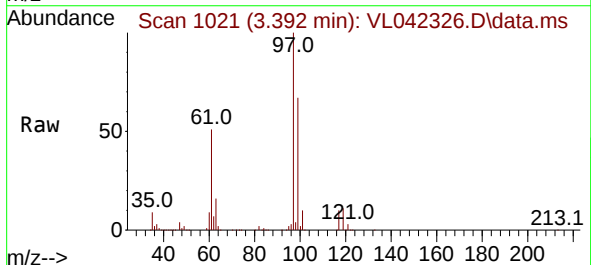
Tgt Ion: 61 Resp: 208160
 Ion Ratio Lower Upper
 61 100
 96 62.9 51.8 77.8
 98 41.5 30.6 46.0

Manual Integrations
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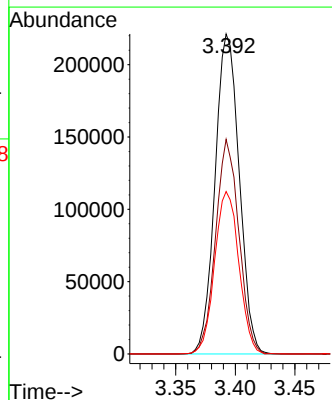
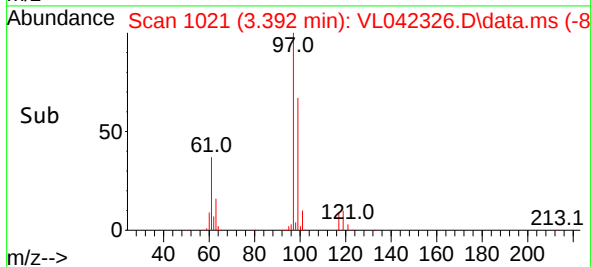
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#32
 1,1,1-Trichloroethane
 Concen: 7.704 ppbv
 RT: 3.392 min Scan# 1021
 Delta R.T. 0.029 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30



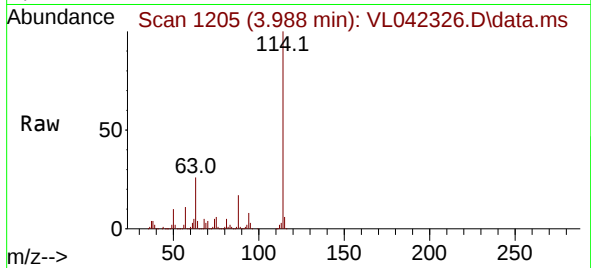
Tgt Ion: 97 Resp: 311758
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 51.1 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1194
Delta R.T. 0.035 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

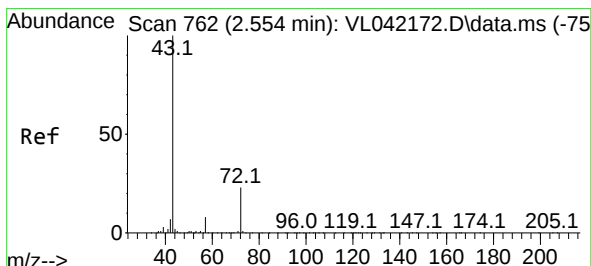
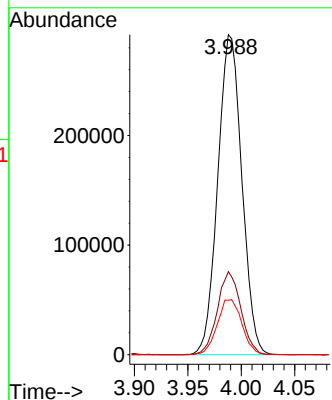
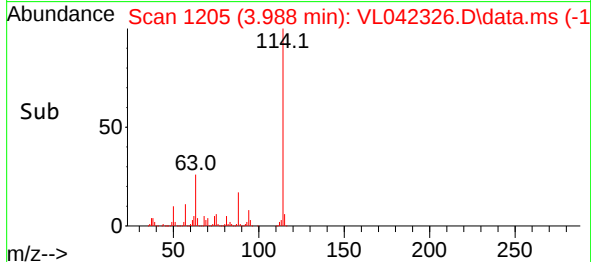
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



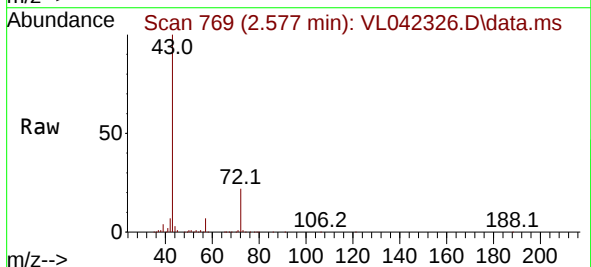
Tgt Ion:114 Resp: 45722
Ion Ratio Lower Upper
114 100
63 25.4 20.7 31.1
88 17.7 15.0 22.4

Manual Integrations
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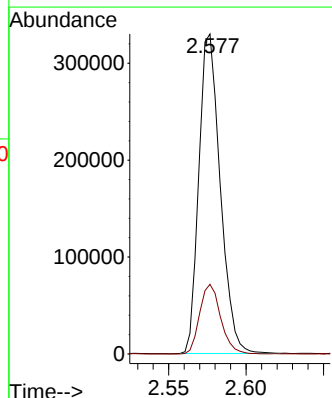
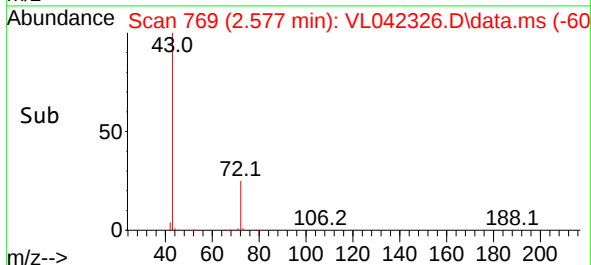
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

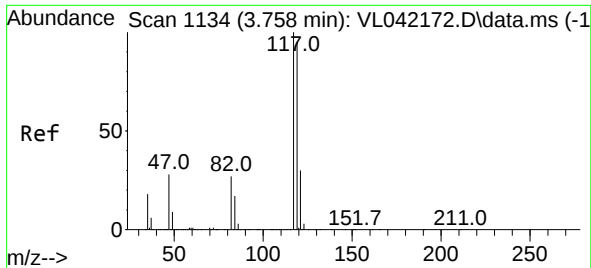


#34
2-Butanone
Concen: 9.565 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



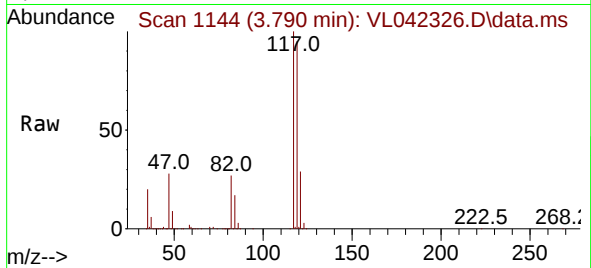
Tgt Ion: 43 Resp: 317117
Ion Ratio Lower Upper
43 100
72 21.5 18.2 27.2





#35
Carbon Tetrachloride
Concen: 8.902 ppbv
RT: 3.790 min Scan# 1114
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

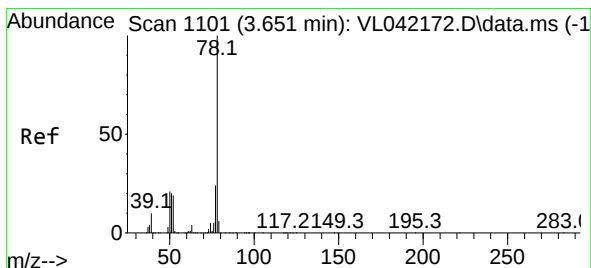
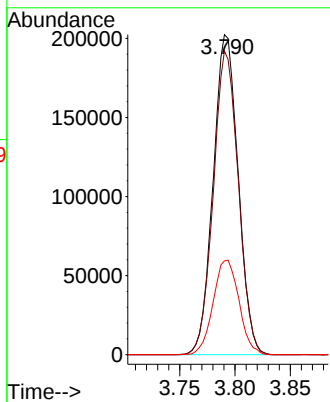
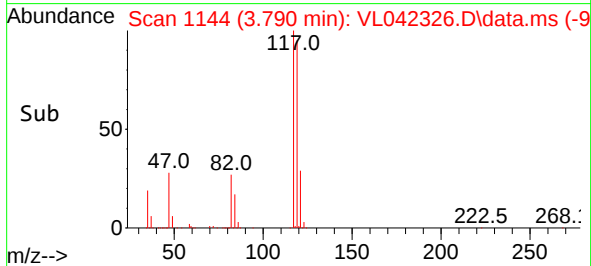
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



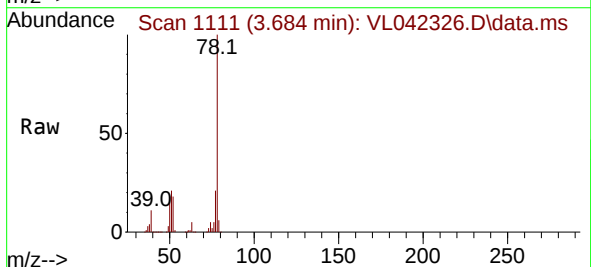
Tgt Ion: 117 Resp: 31794
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2
121 29.3 24.2 36.4

Manual Integrations
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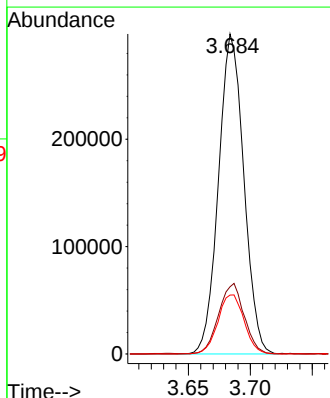
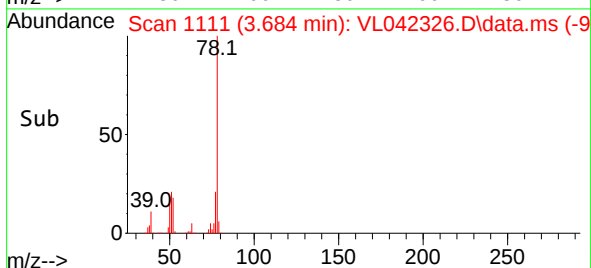
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

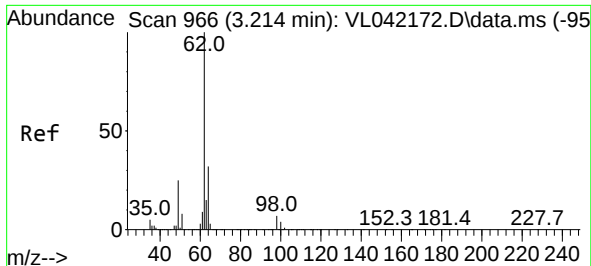


#36
Benzene
Concen: 9.360 ppbv
RT: 3.684 min Scan# 1111
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



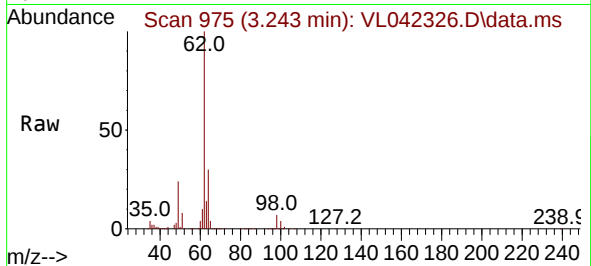
Tgt Ion: 78 Resp: 424254
Ion Ratio Lower Upper
78 100
77 20.9 19.1 28.7
50 18.4 16.6 24.8





#37
1,2-Dichloroethane
Concen: 9.231 ppbv
RT: 3.243 min Scan# 91
Delta R.T. 0.029 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

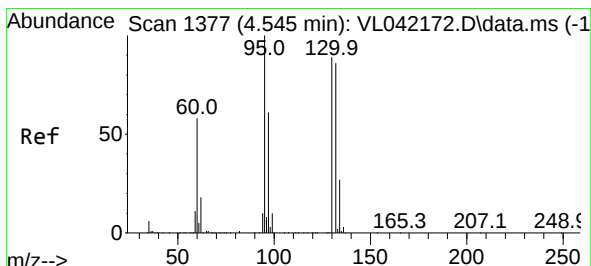
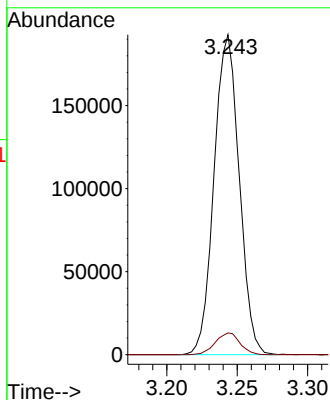
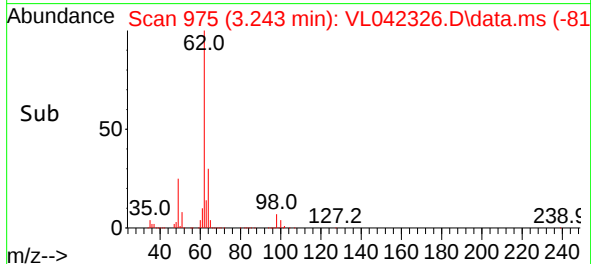
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 239550
Ion Ratio Lower Upper
62 100
98 6.7 5.4 8.2

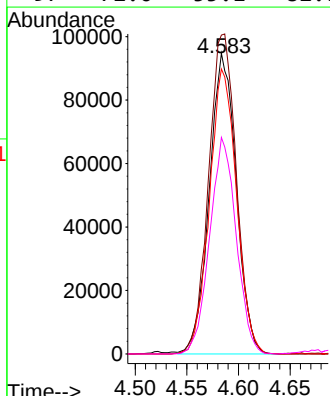
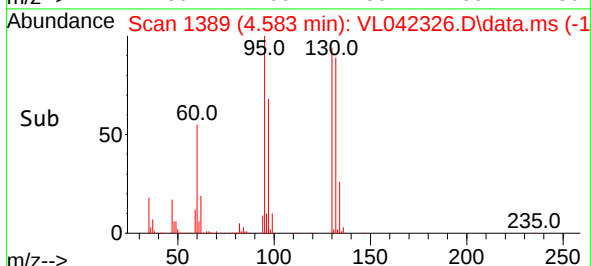
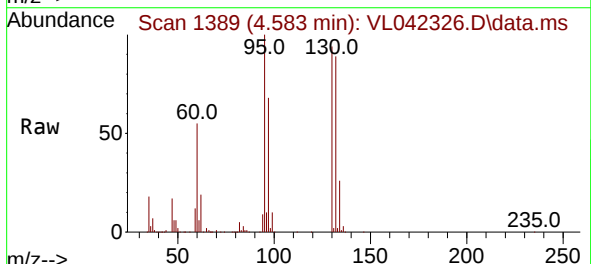
Manual Integrations
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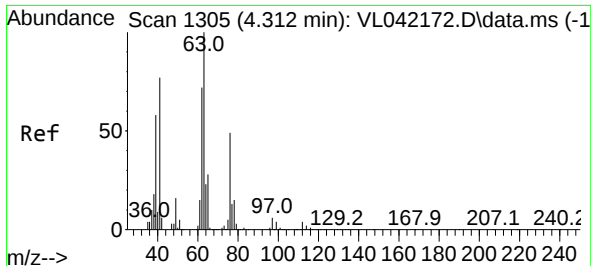
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#38
Trichloroethene
Concen: 9.102 ppbv
RT: 4.583 min Scan# 1389
Delta R.T. 0.039 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion:130 Resp: 172146
Ion Ratio Lower Upper
130 100
95 106.1 89.8 134.8
132 94.8 77.4 116.2
97 72.0 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.190 ppbv

RT: 4.350 min Scan# 11

Delta R.T. 0.039 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 15170

Ion Ratio Lower Upper

63 100

41 82.3 61.7 92.5

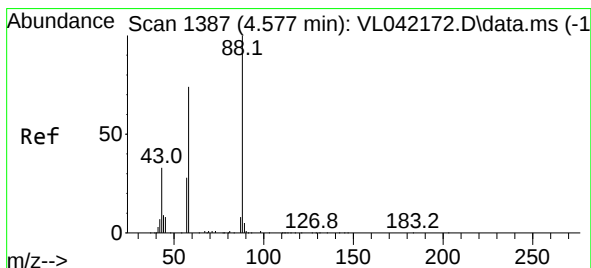
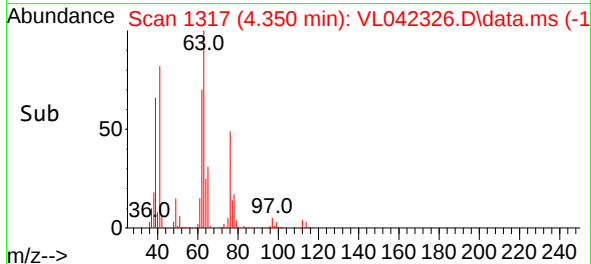
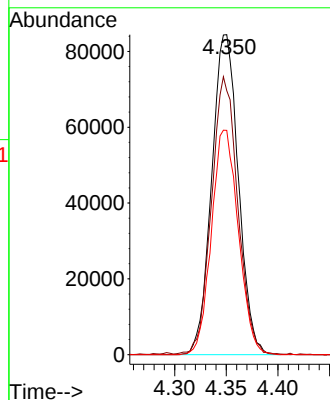
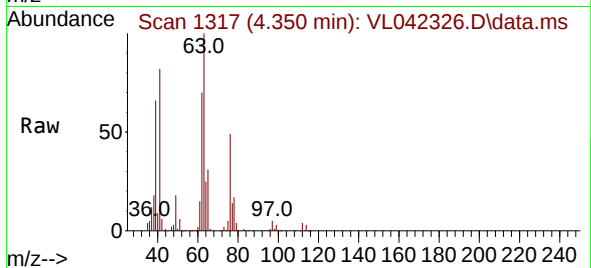
62 70.1 57.6 86.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#40

1,4-Dioxane

Concen: 8.226 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.045 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Tgt Ion: 88 Resp: 72075

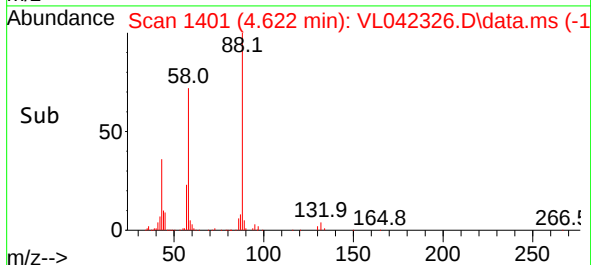
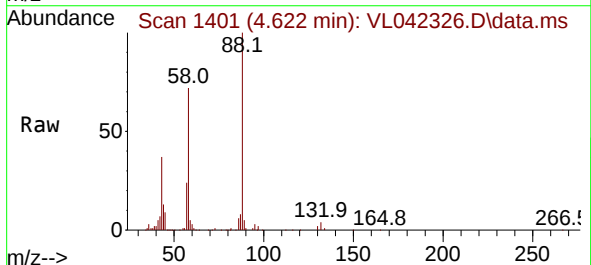
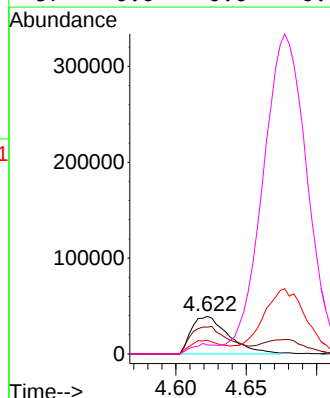
Ion Ratio Lower Upper

88 100

58 79.6 62.7 94.1

43 31.4 23.0 34.4

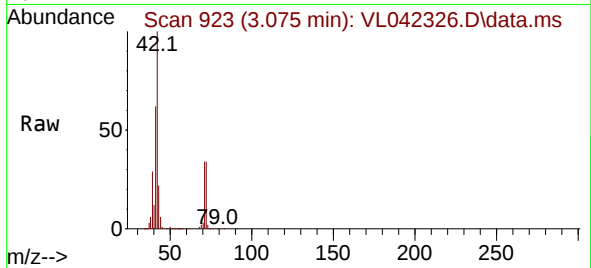
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.505 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.026 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

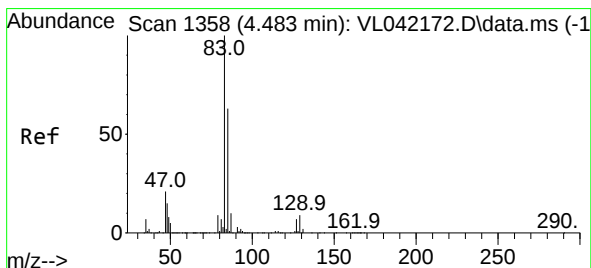
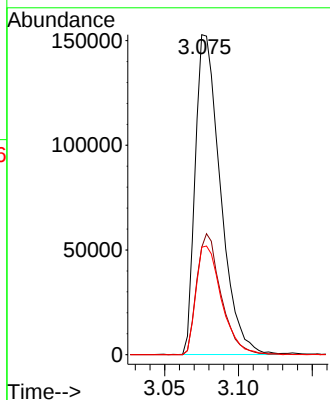
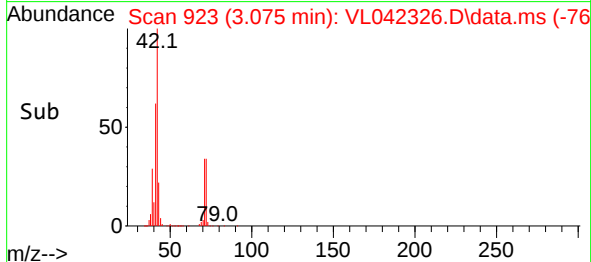
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



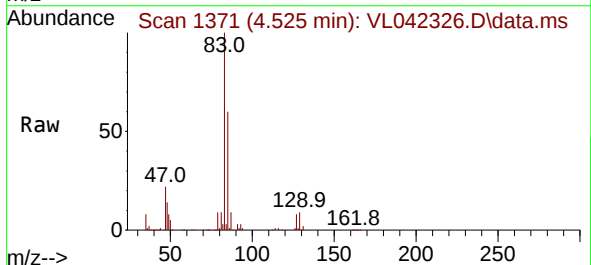
Tgt Ion: 42 Resp: 18147
Ion Ratio Lower Upper
42 100
72 36.5 31.4 47.0
71 34.6 30.2 45.4

Manual Integrations
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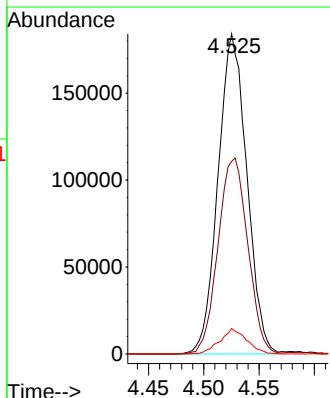
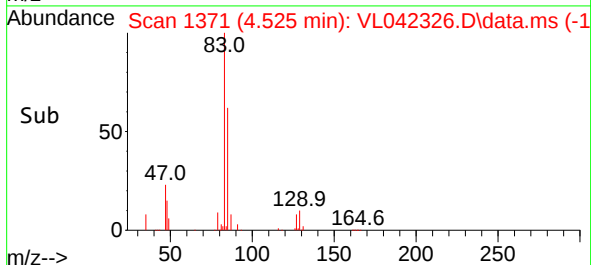
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

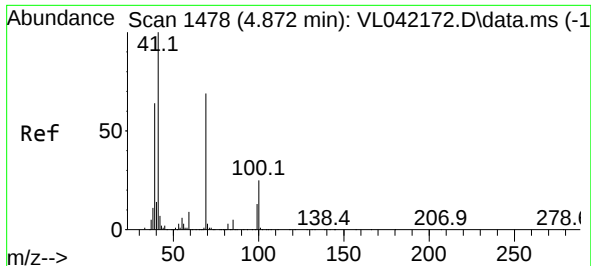


#42
Bromodichloromethane
Concen: 9.313 ppbv
RT: 4.525 min Scan# 1371
Delta R.T. 0.042 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



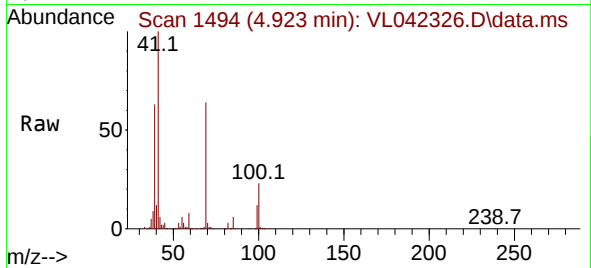
Tgt Ion: 83 Resp: 333167
Ion Ratio Lower Upper
83 100
85 60.2 50.5 75.7
127 7.9 5.9 8.9





#43
Methyl Methacrylate
Concen: 8.098 ppbv
RT: 4.923 min Scan# 1494
Delta R.T. 0.052 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

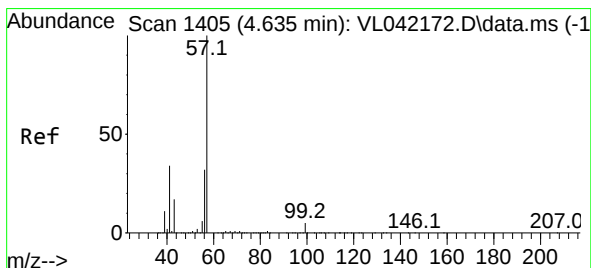
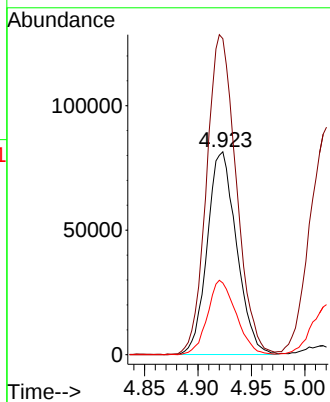
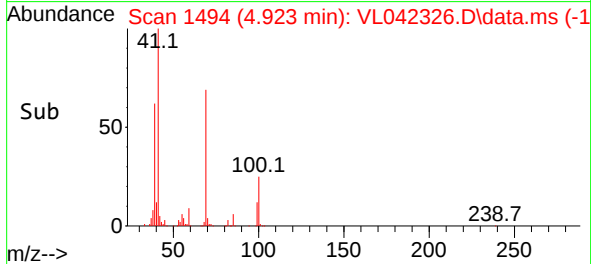
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



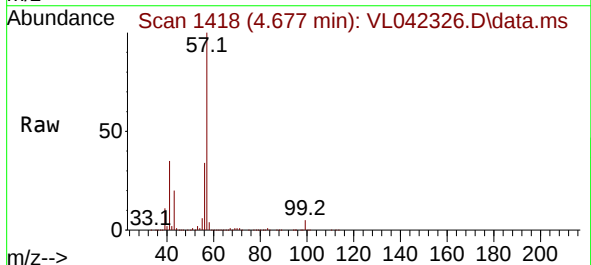
Tgt Ion: 69 Resp: 155399
Ion Ratio Lower Upper
69 100
41 160.2 123.8 185.6
100 35.9 28.4 42.6

Manual Integrations
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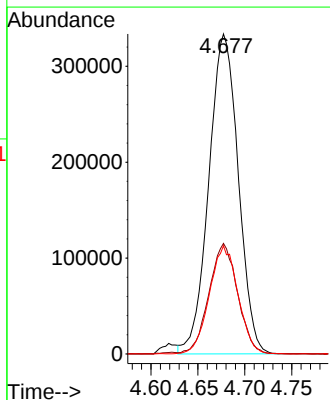
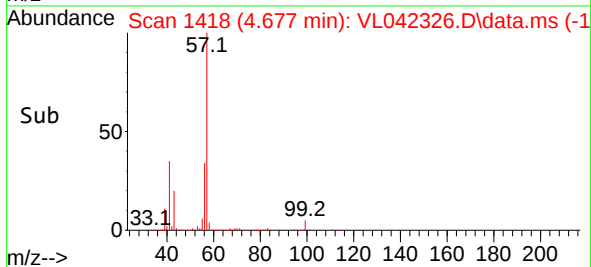
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#44
2,2,4-Trimethylpentane
Concen: 9.511 ppbv
RT: 4.677 min Scan# 1418
Delta R.T. 0.042 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



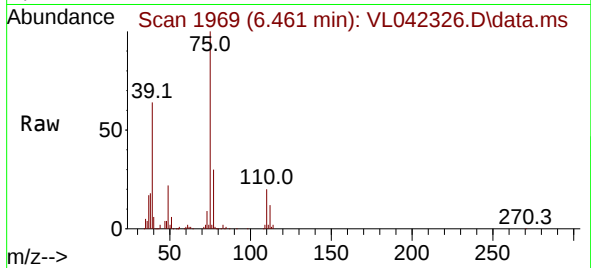
Tgt Ion: 57 Resp: 728571
Ion Ratio Lower Upper
57 100
41 33.8 26.8 40.2
56 32.8 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 7.338 ppbv
RT: 6.461 min Scan# 1952
Delta R.T. 0.055 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

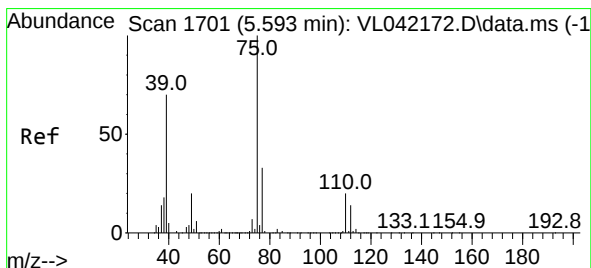
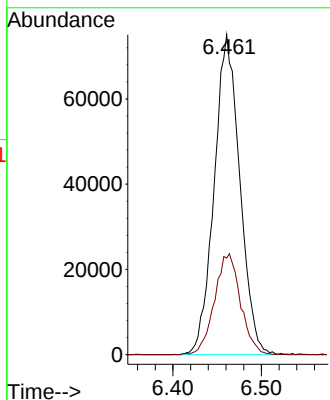
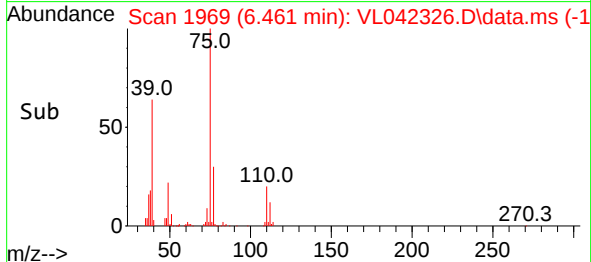
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 15106
Ion Ratio Lower Upper
75 100
77 30.2 26.0 39.0

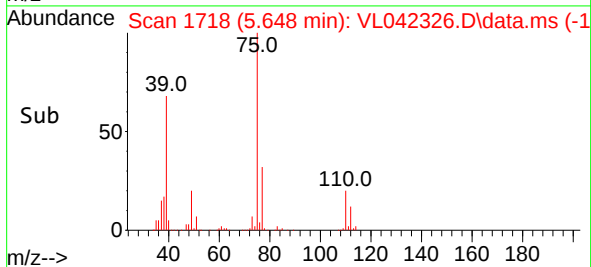
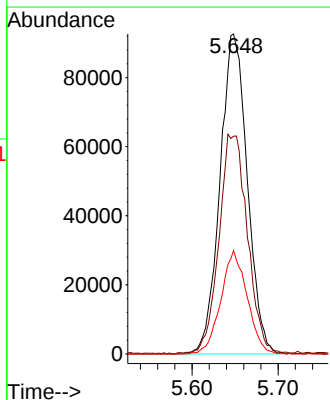
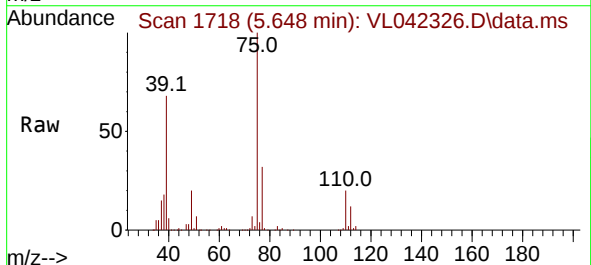
Manual Integrations
APPROVED

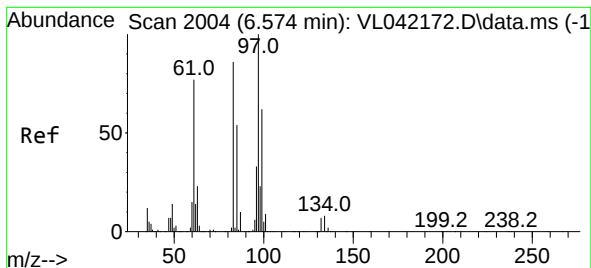
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#46
cis-1,3-Dichloropropene
Concen: 8.097 ppbv
RT: 5.648 min Scan# 1718
Delta R.T. 0.055 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion: 75 Resp: 204339
Ion Ratio Lower Upper
75 100
39 67.6 55.8 83.6
77 32.3 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 9.348 ppbv

RT: 6.626 min Scan# 2004

Delta R.T. 0.052 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 16313

Ion Ratio Lower Upper

97 100

83 87.6 69.2 103.8

85 58.3 43.1 64.7

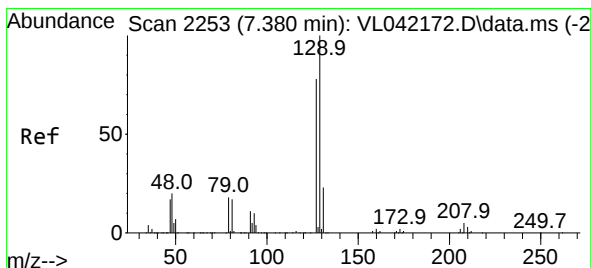
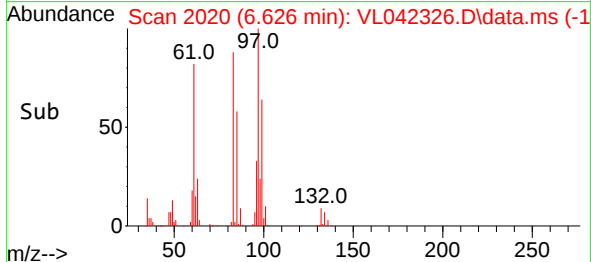
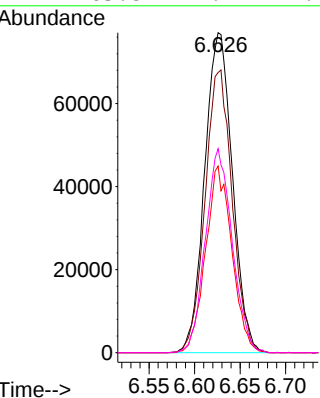
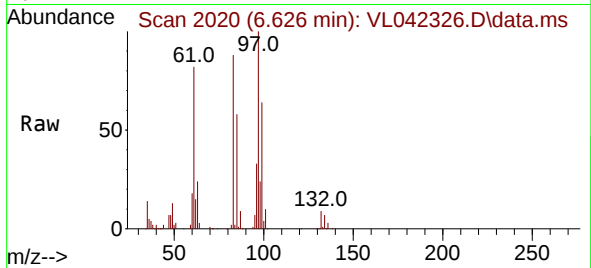
99 63.8 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#48

Dibromochloromethane

Concen: 9.217 ppbv

RT: 7.425 min Scan# 2267

Delta R.T. 0.045 min

Lab File: VL042326.D

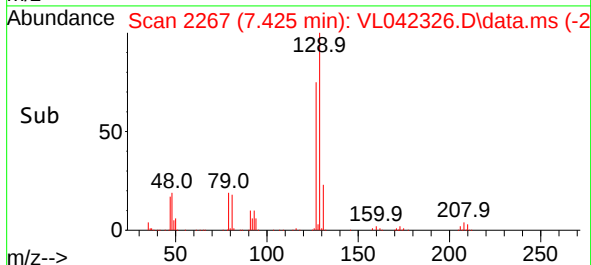
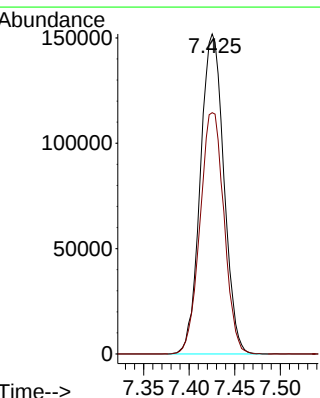
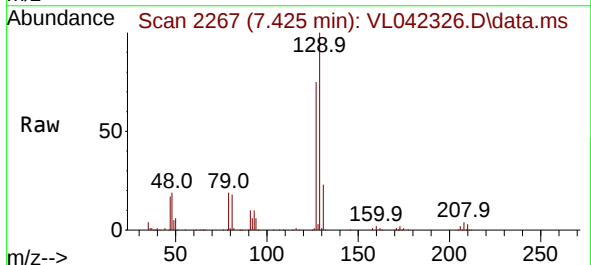
Acq: 15 Apr 2025 11:30

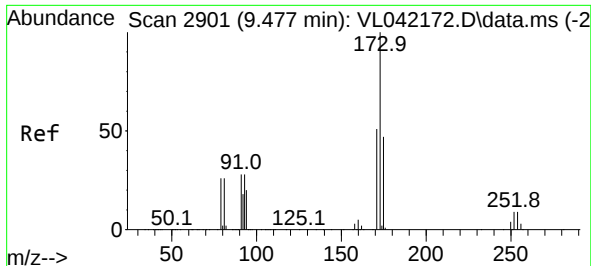
Tgt Ion:129 Resp: 272592

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.2





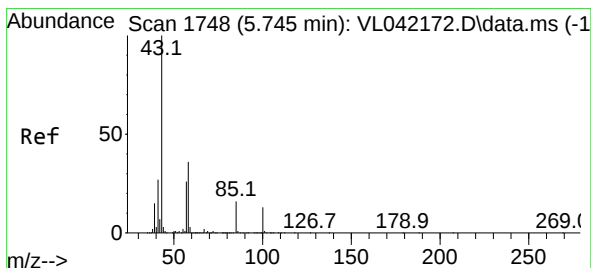
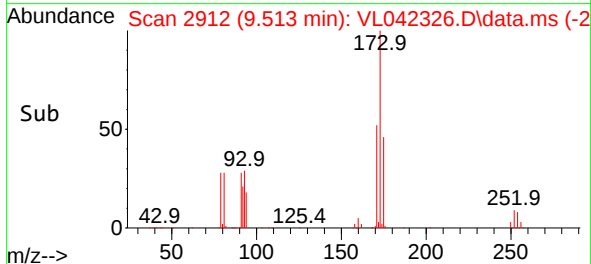
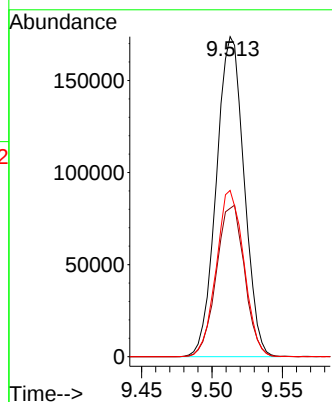
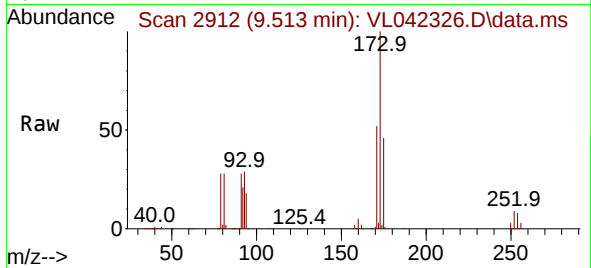
#49
Bromoform
Concen: 8.997 ppbv
RT: 9.513 min Scan# 2901
Delta R.T. 0.035 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 238880
Ion Ratio Lower Upper
173 100
175 48.1 38.6 57.8
171 51.7 41.8 62.6

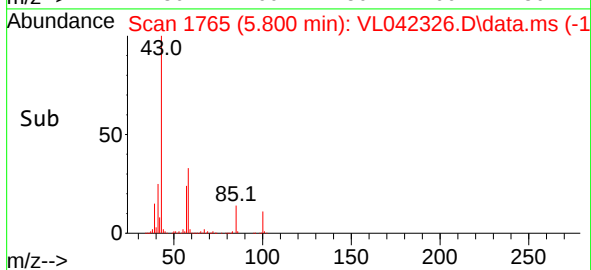
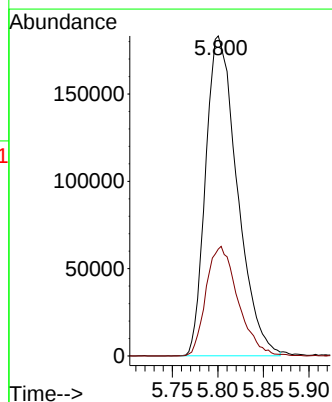
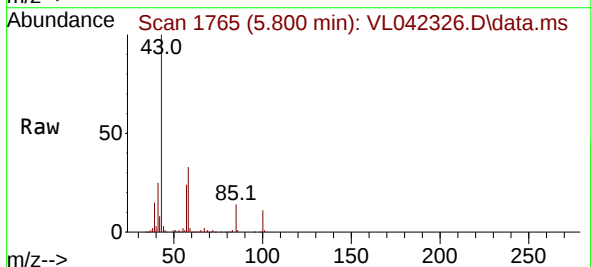
Manual Integrations
APPROVED

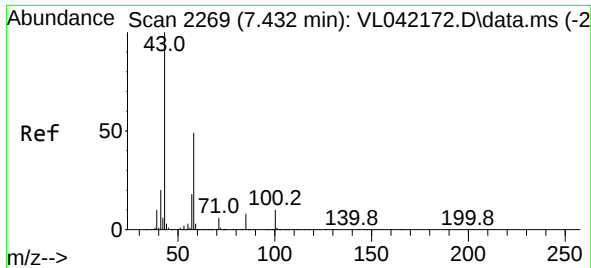
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#50
4-Methyl-2-Pentanone
Concen: 8.428 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.055 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

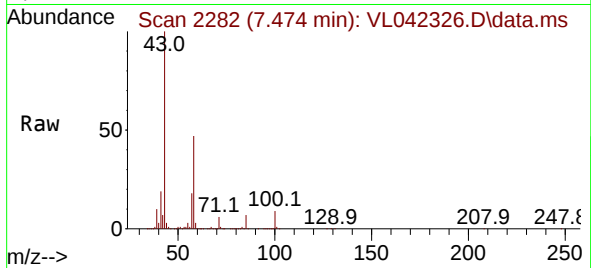
Tgt Ion: 43 Resp: 442851
Ion Ratio Lower Upper
43 100
58 34.6 29.0 43.6





#51
2-Hexanone
Concen: 8.192 ppbv
RT: 7.474 min Scan# 21
Delta R.T. 0.042 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

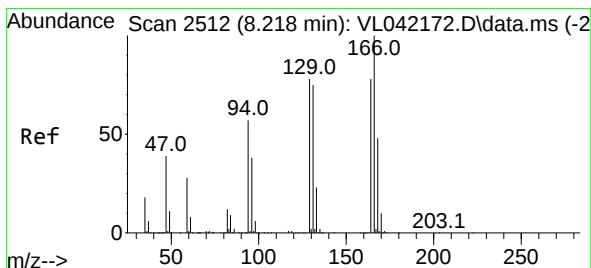
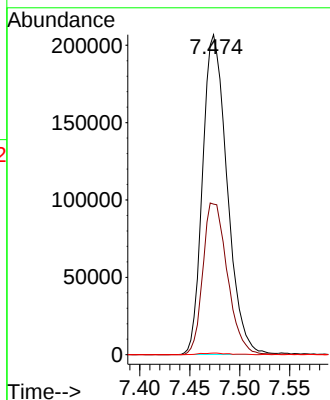
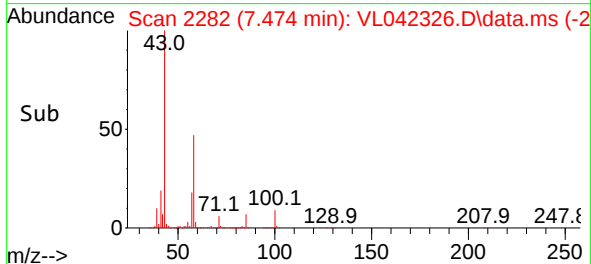
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 35347
Ion Ratio Lower Upper
43 100
58 47.5 39.7 59.5
98 0.6 0.1 0.1

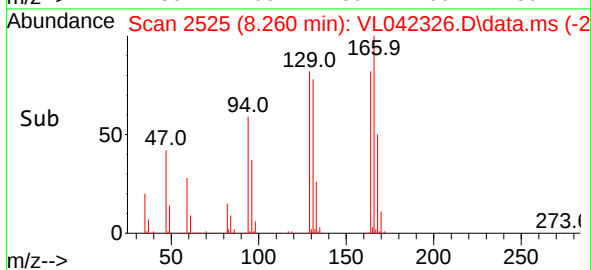
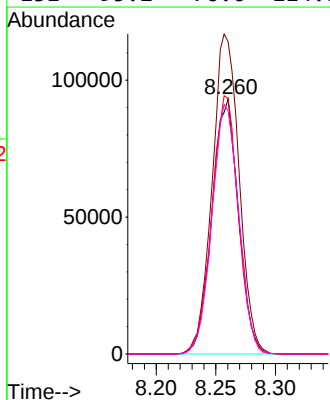
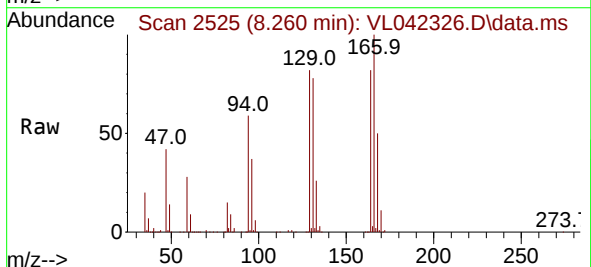
Manual Integrations
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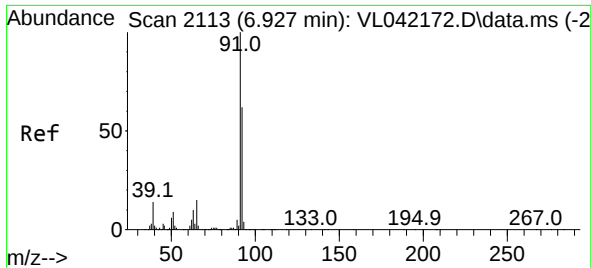
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#52
Tetrachloroethene
Concen: 8.037 ppbv
RT: 8.260 min Scan# 2525
Delta R.T. 0.042 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion:164 Resp: 144481
Ion Ratio Lower Upper
164 100
166 122.4 102.5 153.7
129 100.2 79.8 119.8
131 95.2 76.6 114.8





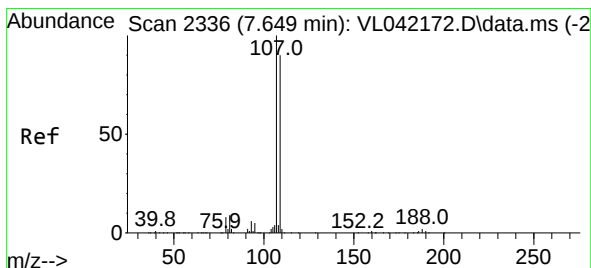
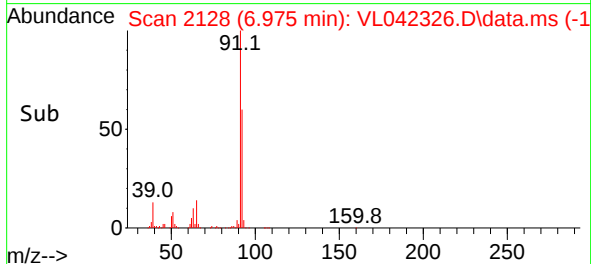
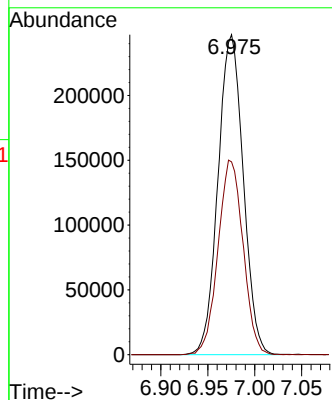
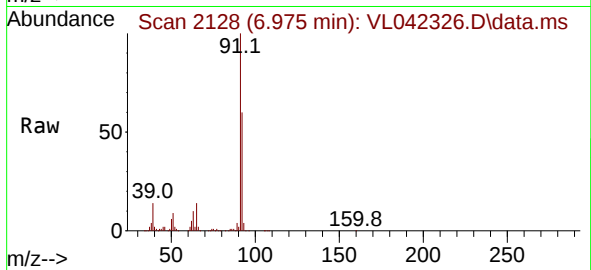
#53
Toluene
Concen: 8.595 ppbv
RT: 6.975 min Scan# 2113
Delta R.T. 0.048 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 461854
Ion Ratio Lower Upper
91 100
92 60.2 48.4 72.6

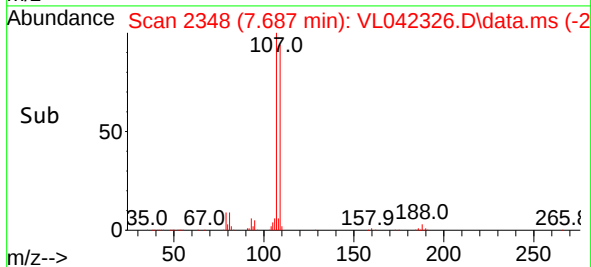
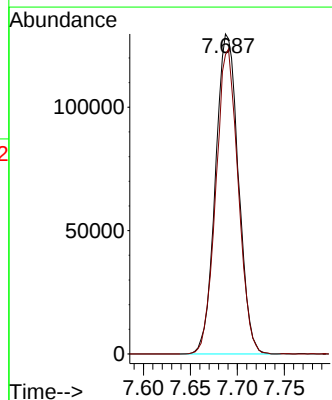
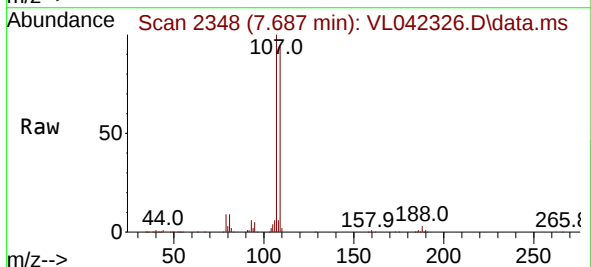
Manual Integrations
APPROVED

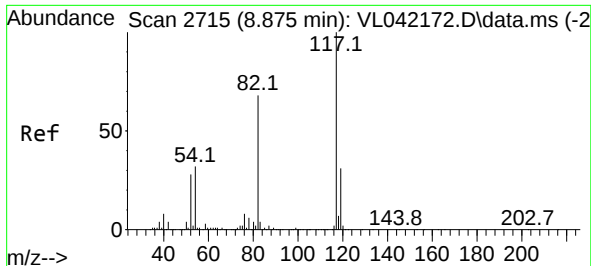
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#54
1,2-Dibromoethane
Concen: 9.047 ppbv
RT: 7.687 min Scan# 2348
Delta R.T. 0.039 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion:107 Resp: 220075
Ion Ratio Lower Upper
107 100
109 93.6 72.2 108.4





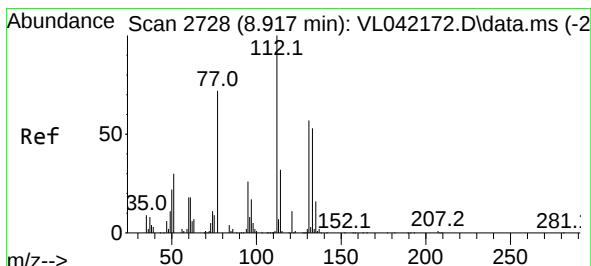
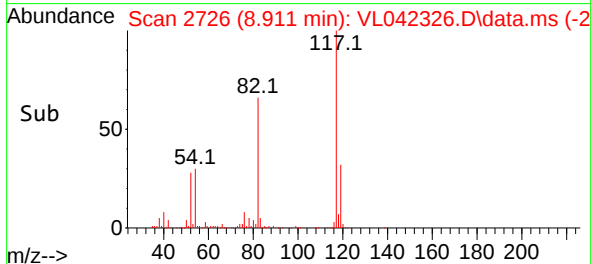
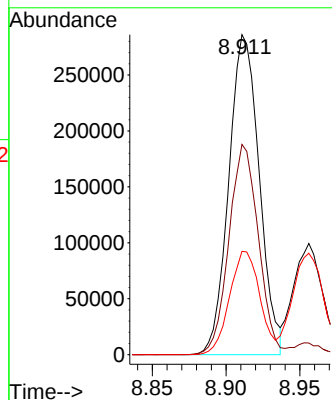
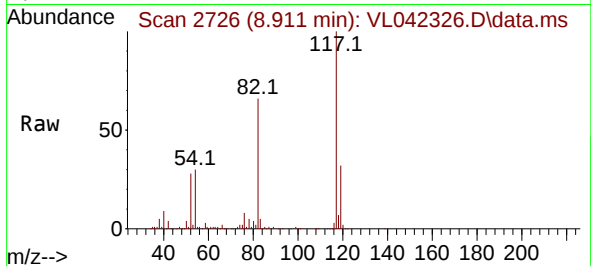
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.911 min Scan# 2117
Delta R.T. 0.035 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 41149
Ion Ratio Lower Upper
117 100
82 67.0 55.8 83.6
119 33.0 25.5 38.3

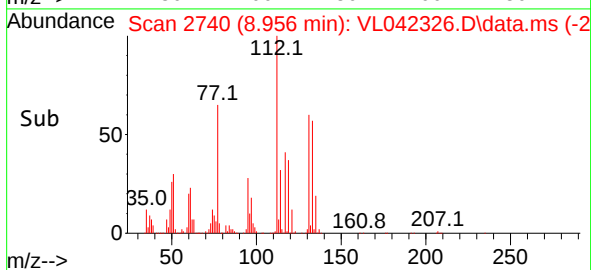
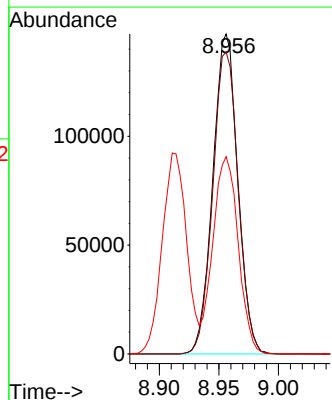
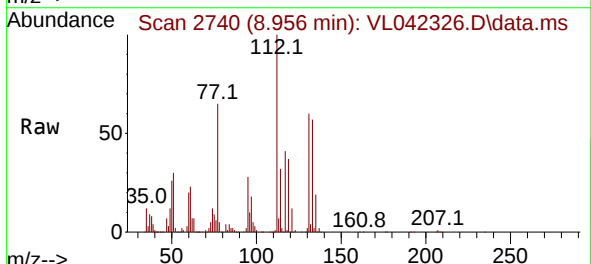
Manual Integrations
APPROVED

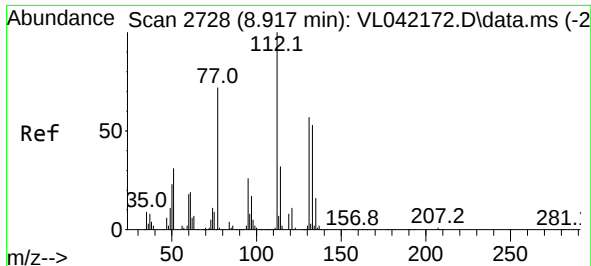
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.455 ppbv
RT: 8.956 min Scan# 2740
Delta R.T. 0.039 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

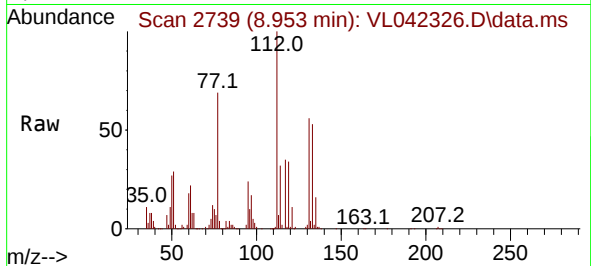
Tgt Ion:131 Resp: 214175
Ion Ratio Lower Upper
131 100
133 95.9 76.6 114.8
119 61.1 49.8 74.6





#57
Chlorobenzene
Concen: 9.617 ppbv
RT: 8.953 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

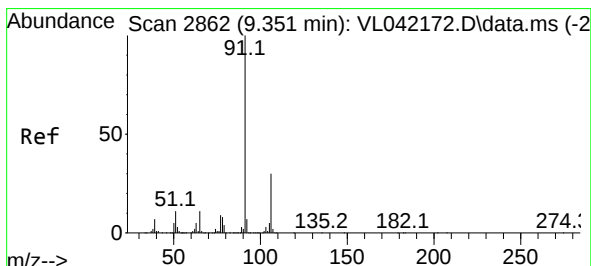
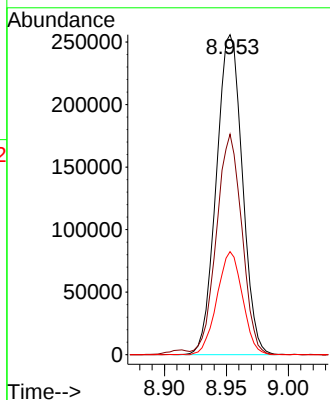
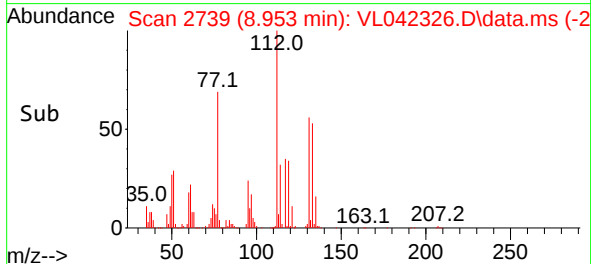
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



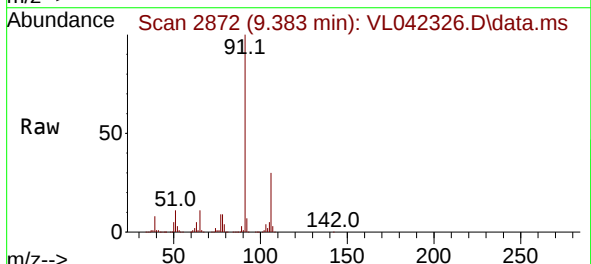
Tgt Ion:112 Resp: 37535
Ion Ratio Lower Upper
112 100
77 68.8 58.2 87.2
114 32.2 29.1 35.5

Manual Integrations
APPROVED

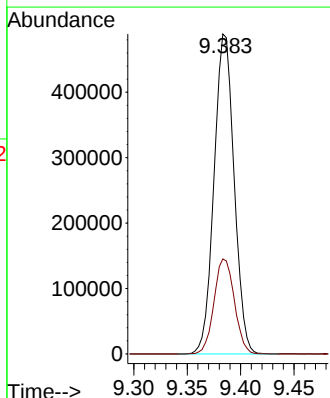
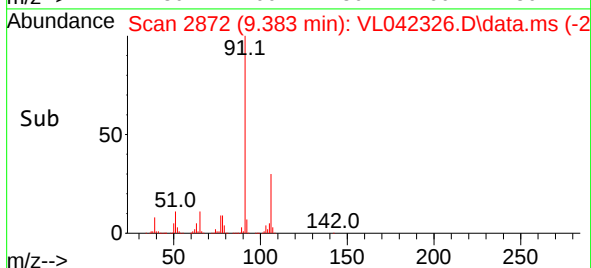
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

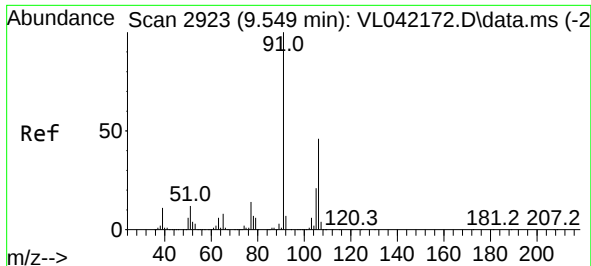


#58
Ethyl Benzene
Concen: 8.754 ppbv
RT: 9.383 min Scan# 2872
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



Tgt Ion: 91 Resp: 639857
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2





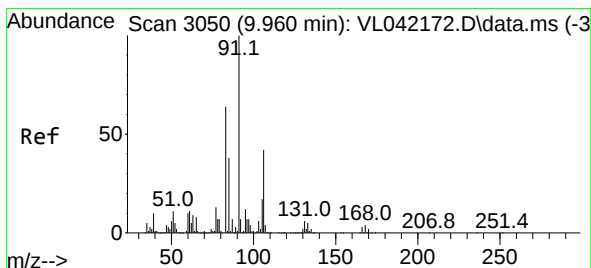
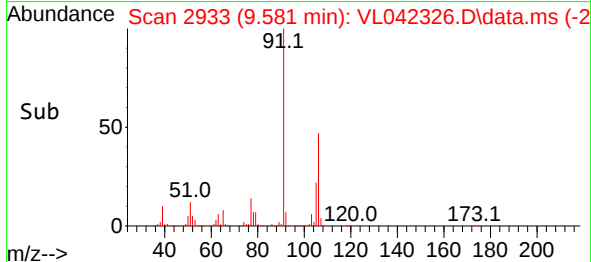
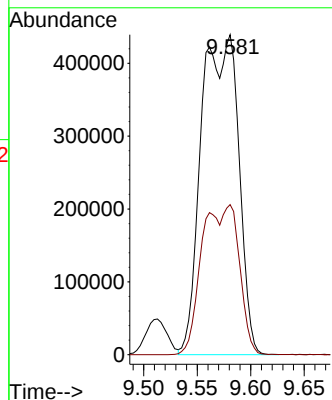
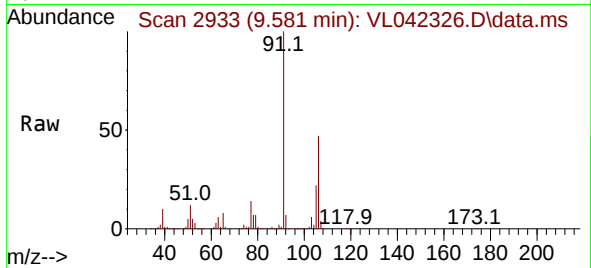
#59
m/p-Xylene
Concen: 18.222 ppbv m
RT: 9.581 min Scan# 2923
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1063509
Ion Ratio Lower Upper
91 100
106 47.1 36.4 54.6

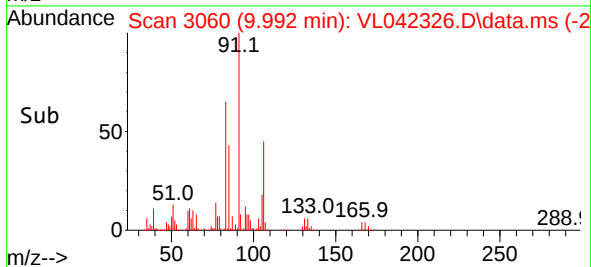
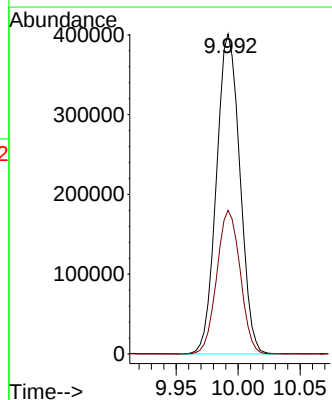
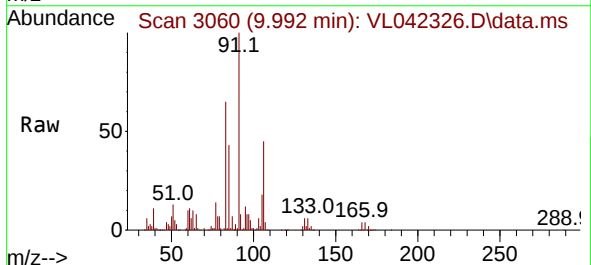
Manual Integrations
APPROVED

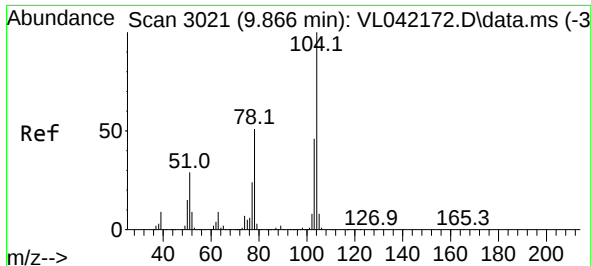
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#60
o-Xylene
Concen: 9.040 ppbv
RT: 9.992 min Scan# 3060
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion: 91 Resp: 528896
Ion Ratio Lower Upper
91 100
106 44.8 20.8 62.5





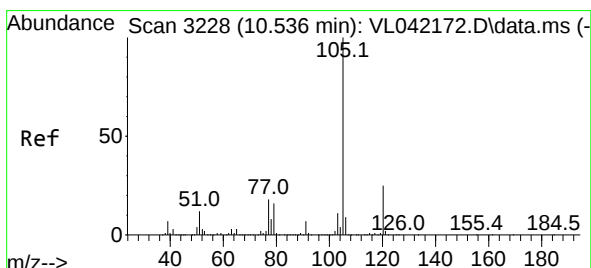
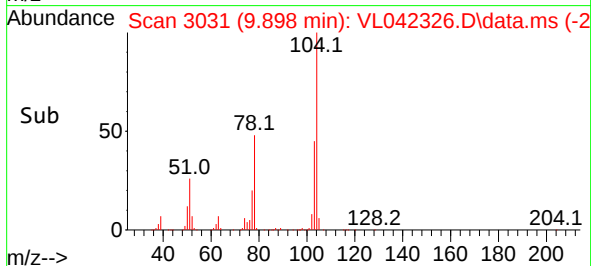
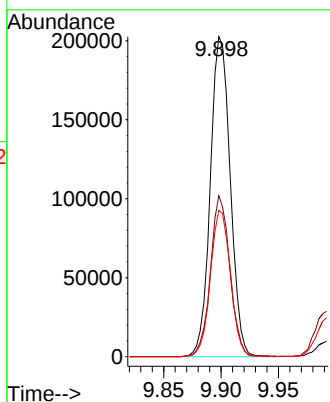
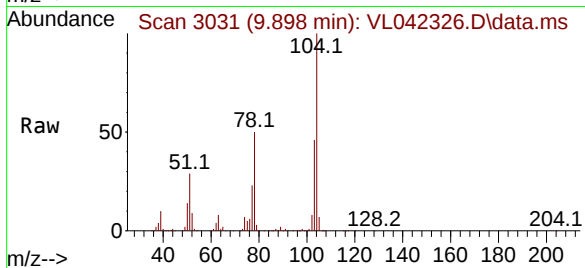
#61
Styrene
Concen: 8.474 ppbv
RT: 9.898 min Scan# 3021
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 245300
Ion Ratio Lower Upper
104 100
78 49.0 41.8 62.6
103 46.0 37.0 55.4

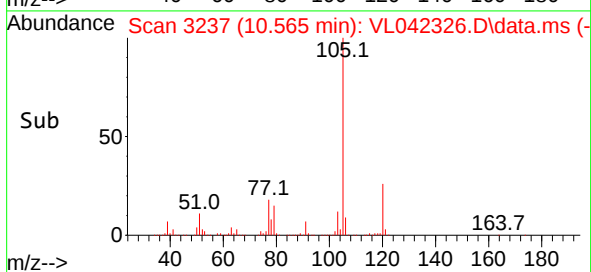
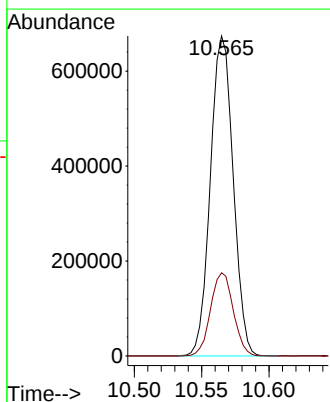
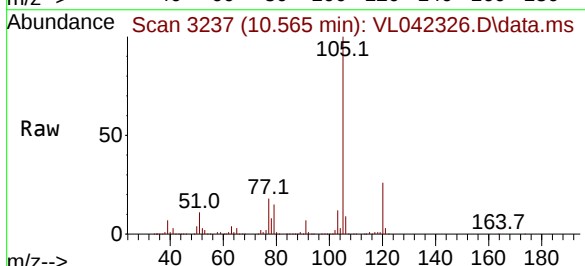
Manual Integrations
APPROVED

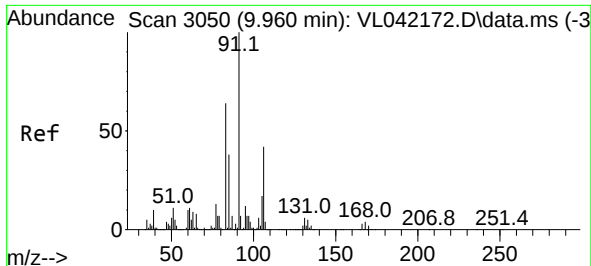
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#62
Isopropylbenzene
Concen: 9.079 ppbv
RT: 10.565 min Scan# 3237
Delta R.T. 0.029 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion:105 Resp: 794408
Ion Ratio Lower Upper
105 100
120 25.9 19.9 29.9





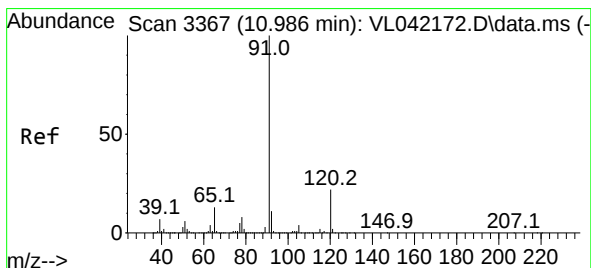
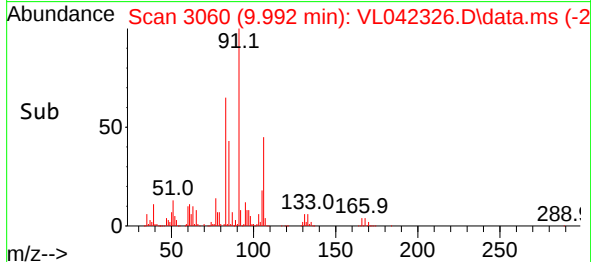
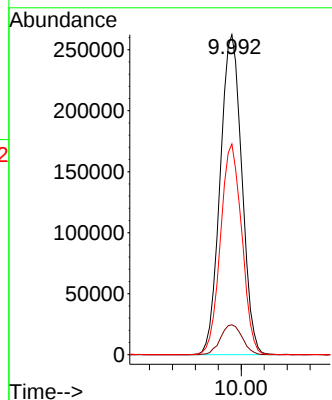
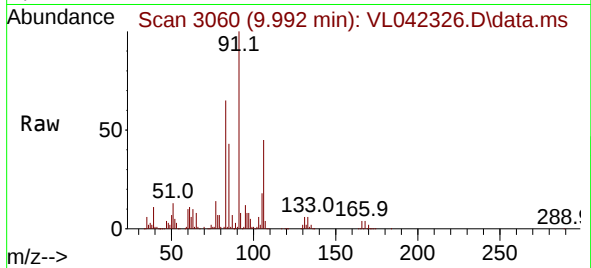
#63
1,1,2,2-Tetrachloroethane
Concen: 9.671 ppbv
RT: 9.992 min Scan# 3050
Delta R.T. 0.032 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
Client Sample Id :
VSTDCCC010

Tgt Ion: 83 Resp: 343780
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.8 32.5 97.5

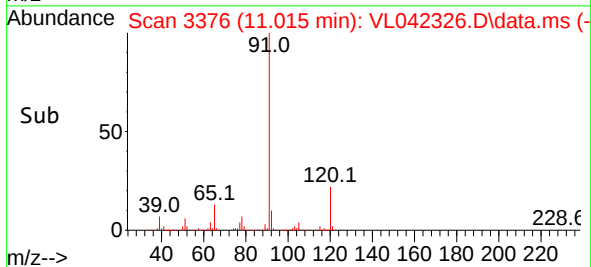
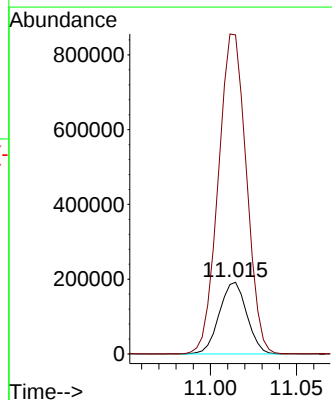
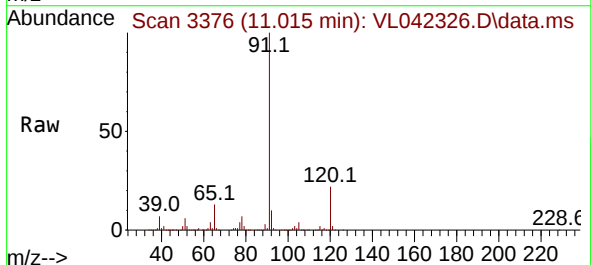
Manual Integrations
APPROVED

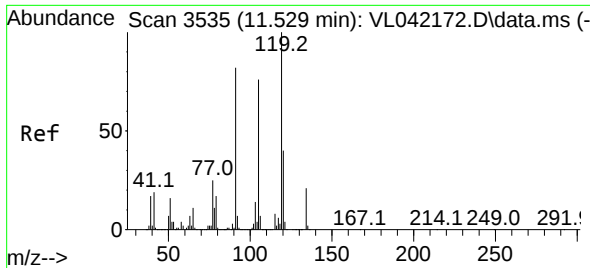
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#64
n-propylbenzene
Concen: 9.452 ppbv
RT: 11.015 min Scan# 3376
Delta R.T. 0.029 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

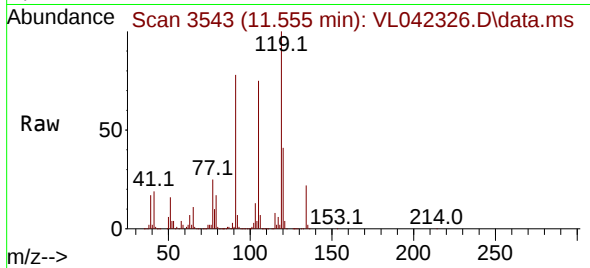
Tgt Ion:120 Resp: 212879
Ion Ratio Lower Upper
120 100
91 456.6 376.9 565.3





#65
tert-Butylbenzene
Concen: 8.911 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.026 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

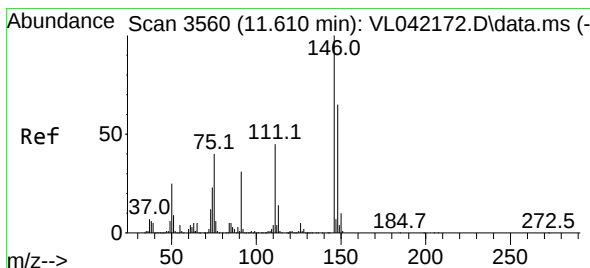
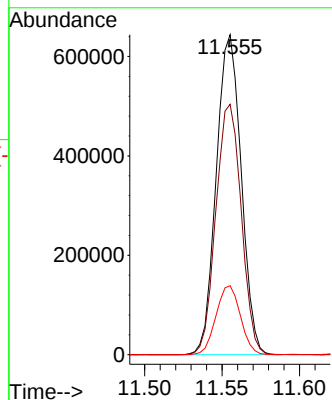
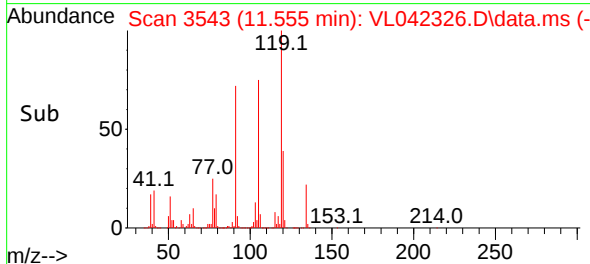
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



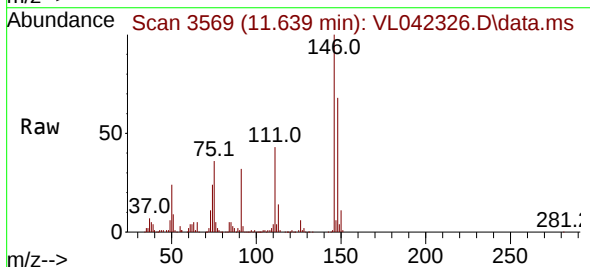
Tgt Ion: 119 Resp: 721078
Ion Ratio Lower Upper
119 100
91 79.7 66.0 99.0
134 21.1 16.7 25.1

Manual Integrations
APPROVED

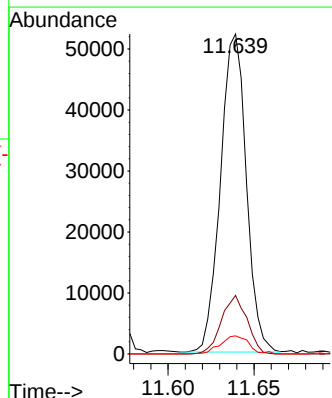
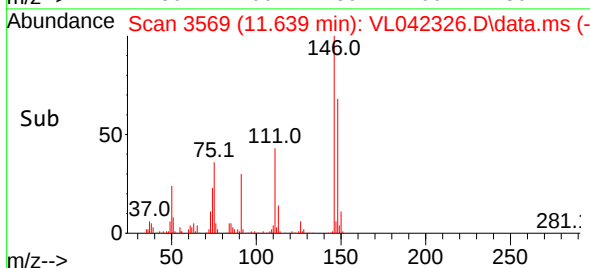
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

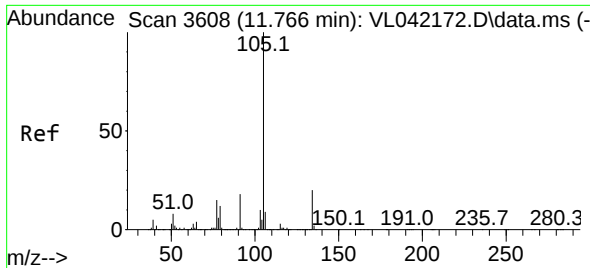


#66
Benzyl Chloride
Concen: 6.339 ppbv
RT: 11.639 min Scan# 3569
Delta R.T. 0.029 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



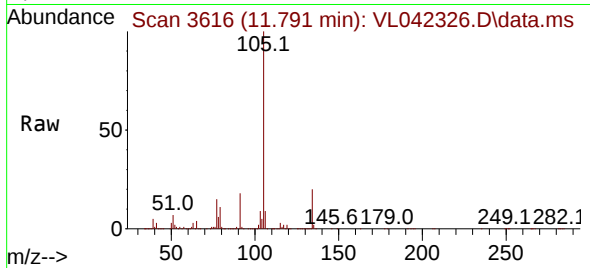
Tgt Ion: 91 Resp: 54427
Ion Ratio Lower Upper
91 100
126 18.2 13.8 20.6
128 6.3 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 9.123 ppbv
 RT: 11.791 min Scan# 30
 Delta R.T. 0.026 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

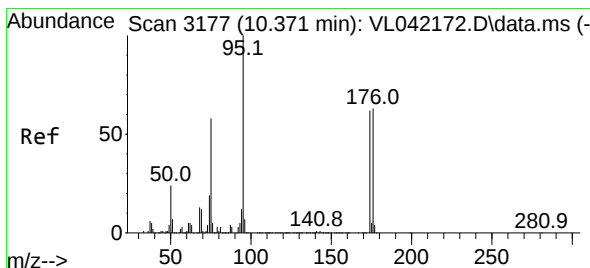
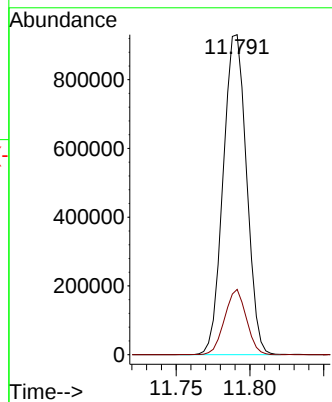
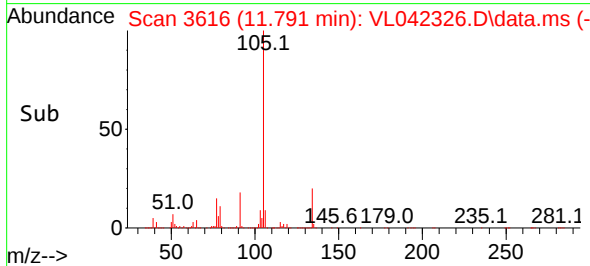
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 105 Resp: 1026079
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3

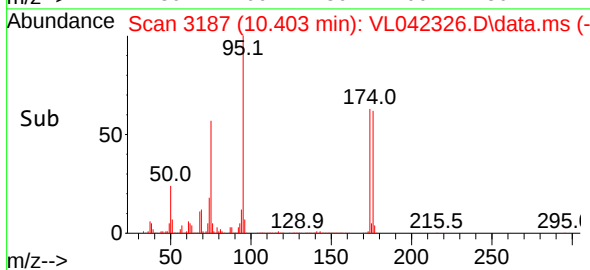
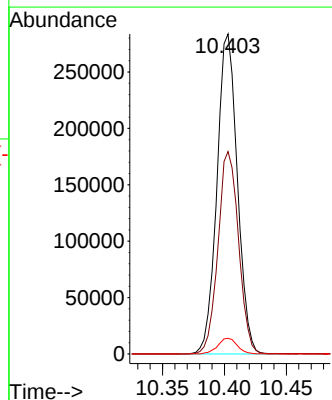
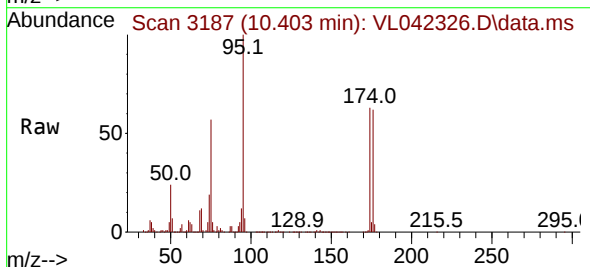
Manual Integrations
 APPROVED

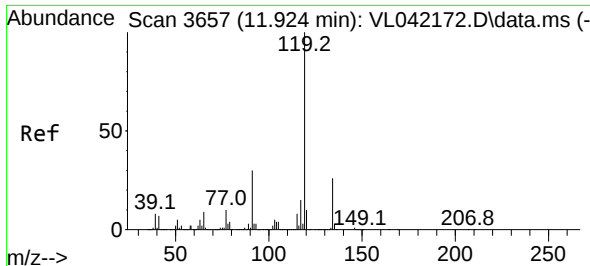
Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.646 ppbv
 RT: 10.403 min Scan# 3187
 Delta R.T. 0.032 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

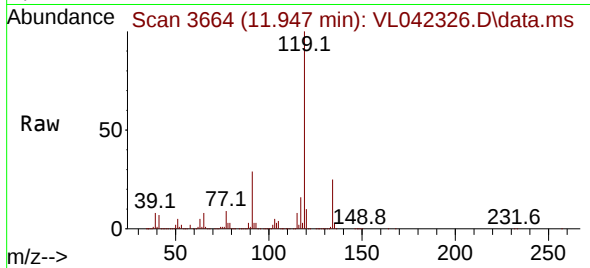
Tgt Ion: 95 Resp: 325960
 Ion Ratio Lower Upper
 95 100
 174 63.6 50.6 76.0
 175 4.7 3.8 5.6





#69
p-Isopropyltoluene
Concen: 8.935 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

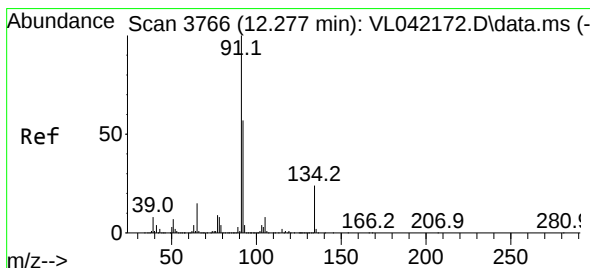
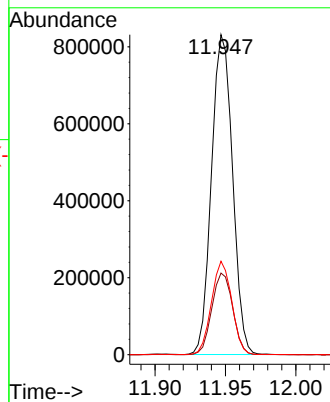
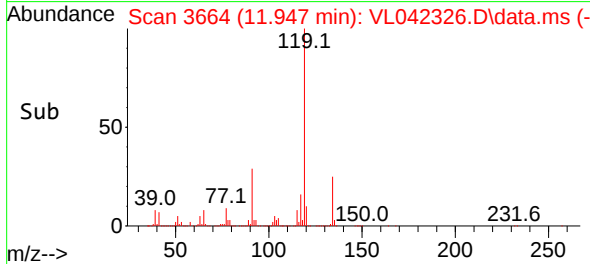
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:119 Resp: 865385
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 28.4 23.7 35.5

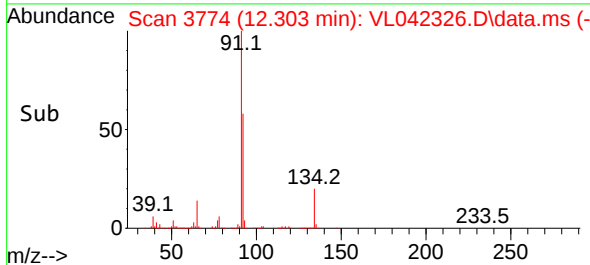
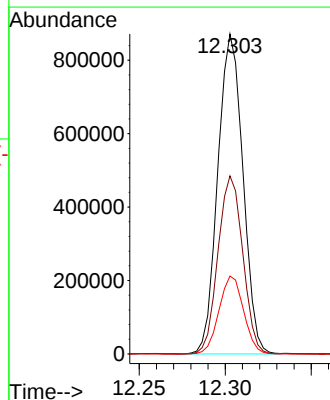
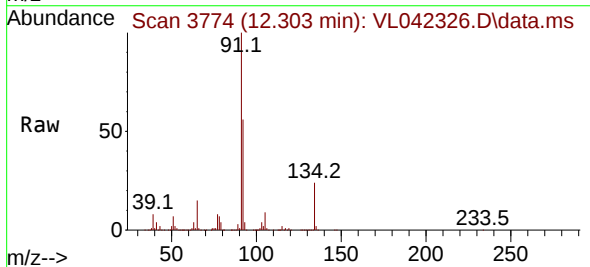
Manual Integrations
APPROVED

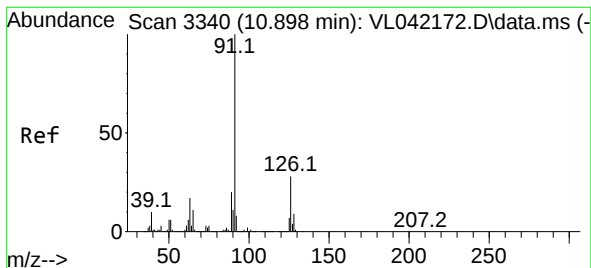
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#70
n-Butylbenzene
Concen: 8.928 ppbv
RT: 12.303 min Scan# 3774
Delta R.T. 0.026 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion: 91 Resp: 884265
Ion Ratio Lower Upper
91 100
92 55.0 44.9 67.3
134 23.8 19.2 28.8





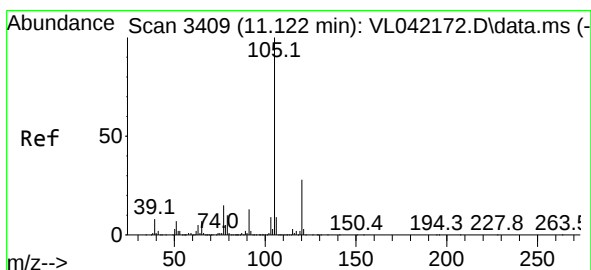
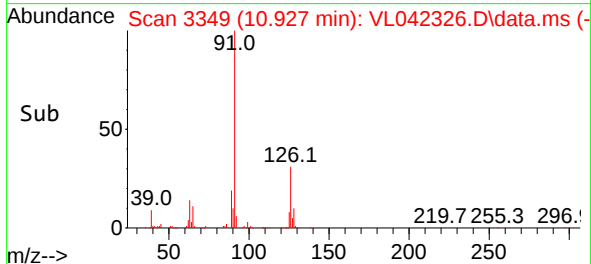
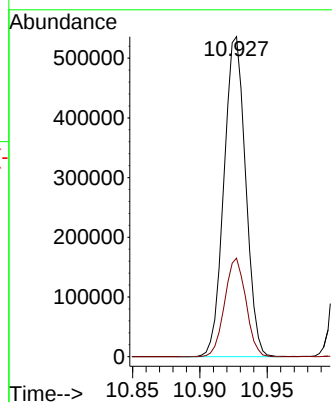
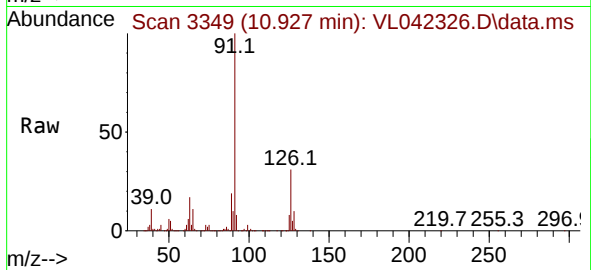
#71
2-Chlorotoluene
Concen: 8.830 ppbv
RT: 10.927 min Scan# 3117
Delta R.T. 0.029 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 599592
Ion Ratio Lower Upper
91 100
126 30.1 11.6 46.4

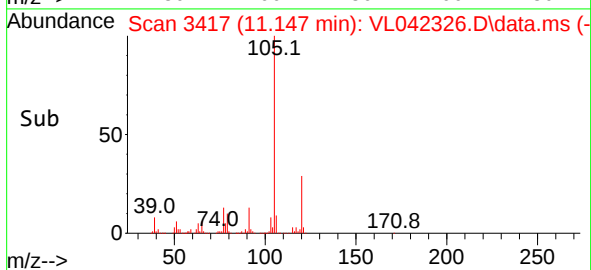
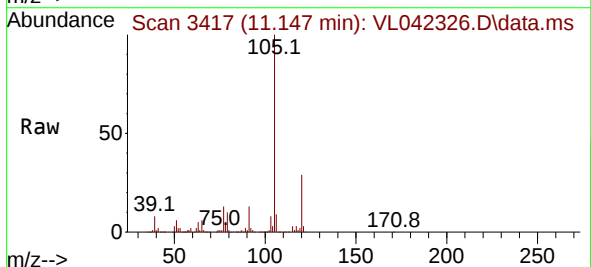
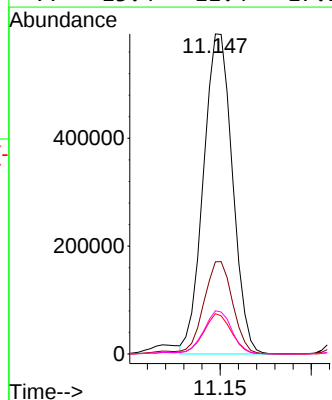
Manual Integrations
APPROVED

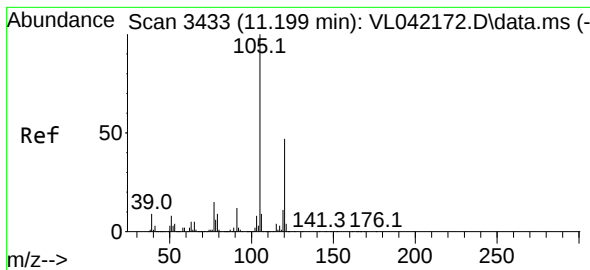
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#72
4-Ethyltoluene
Concen: 9.029 ppbv
RT: 11.147 min Scan# 3417
Delta R.T. 0.026 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

Tgt Ion:105 Resp: 657765
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.0
91 12.6 10.3 15.5
77 13.4 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.764 ppbv

RT: 11.228 min Scan# 3442

Delta R.T. 0.029 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 55759

Ion Ratio Lower Upper

105 100

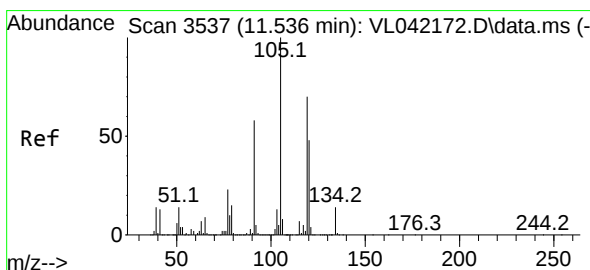
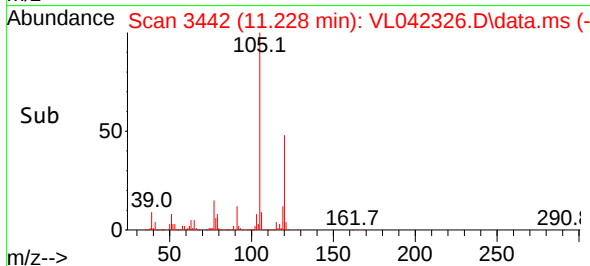
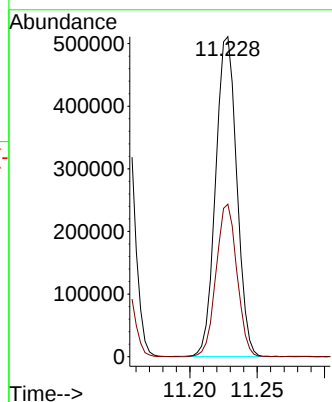
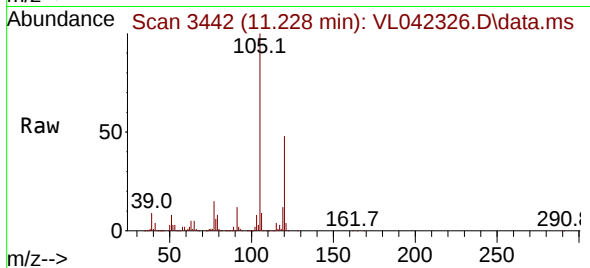
120 47.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025

Supervised By :Mahesh Dadoda 04/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.507 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.023 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Tgt Ion:105 Resp: 623563

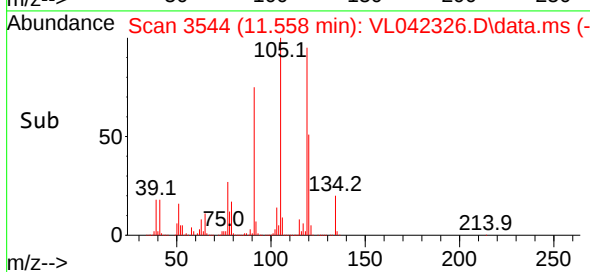
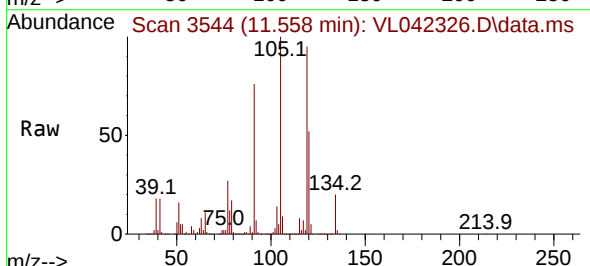
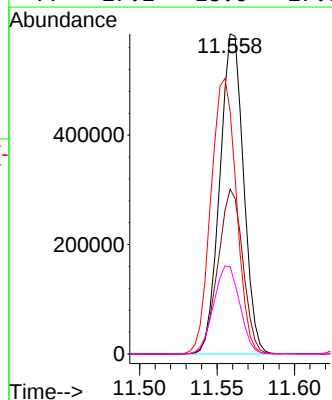
Ion Ratio Lower Upper

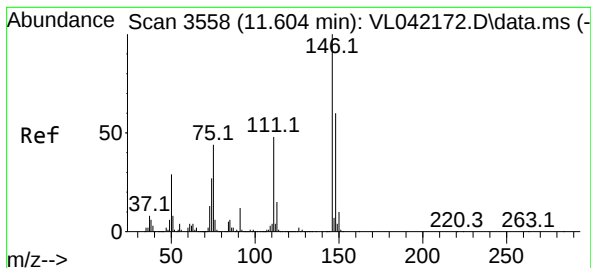
105 100

120 51.5 38.6 58.0

91 75.8 46.2 69.2#

77 27.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 9.492 ppbv

RT: 11.630 min Scan# 3558

Delta R.T. 0.026 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

Instrument :

MSVOA_L

ClientSampleId :

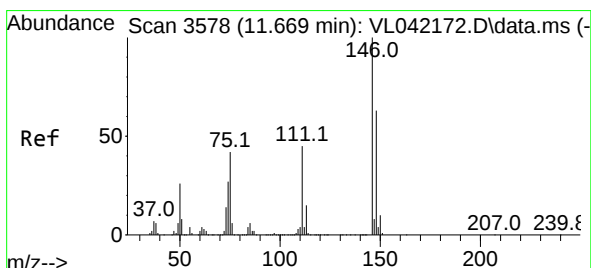
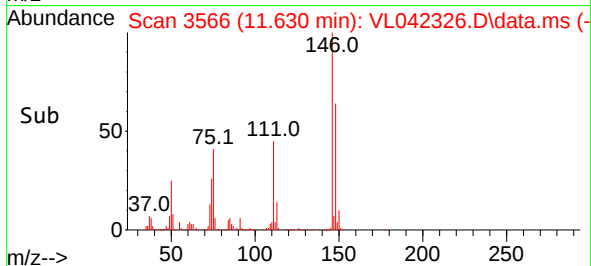
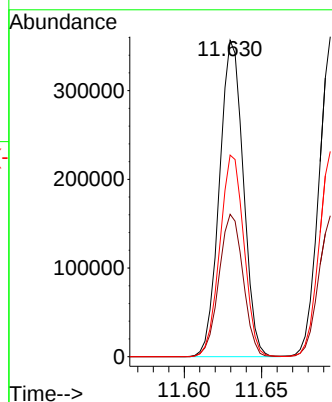
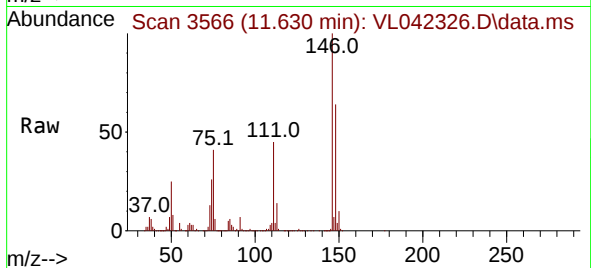
VSTDCCC010

Tgt Ion:	146	Resp:	381572
Ion Ratio	Lower	Upper	
146	100		
111	45.6	23.8	71.2
148	64.4	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025



#76

1,4-Dichlorobenzene

Concen: 9.499 ppbv

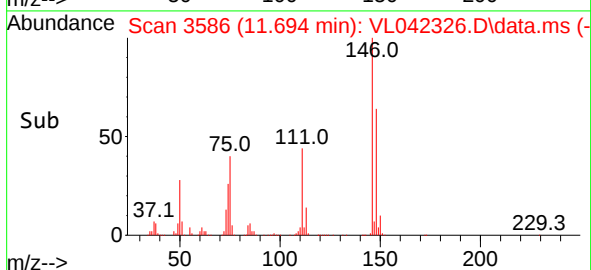
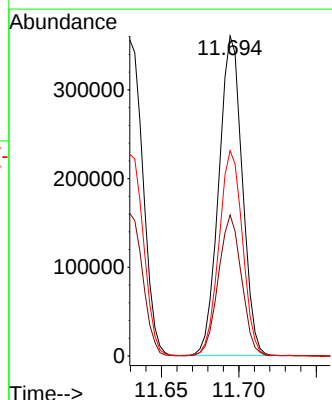
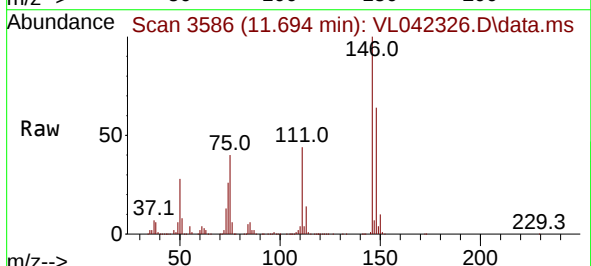
RT: 11.694 min Scan# 3586

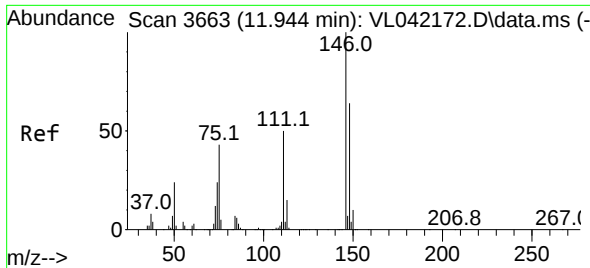
Delta R.T. 0.026 min

Lab File: VL042326.D

Acq: 15 Apr 2025 11:30

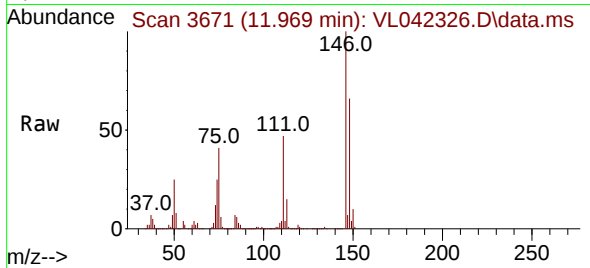
Tgt Ion:	146	Resp:	380035
Ion Ratio	Lower	Upper	
146	100		
111	43.7	23.0	69.0
148	64.7	31.9	95.7





#77
1,2-Dichlorobenzene
Concen: 9.706 ppbv
RT: 11.969 min Scan# 30
Delta R.T. 0.026 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

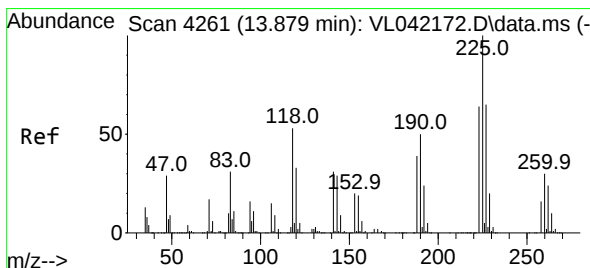
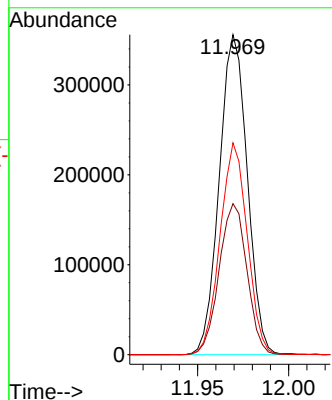
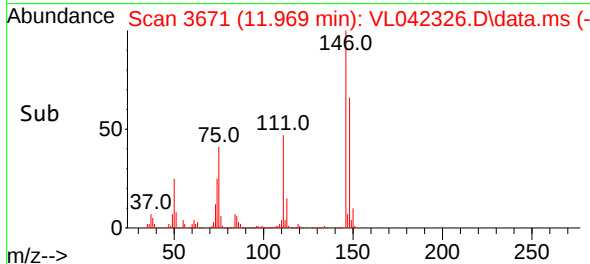
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



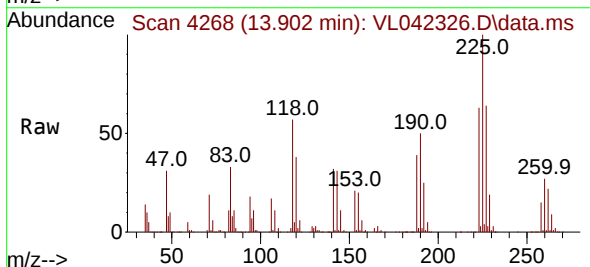
Tgt Ion:146 Resp: 379890
Ion Ratio Lower Upper
146 100
111 47.0 24.8 74.3
148 64.5 31.6 94.8

Manual Integrations
APPROVED

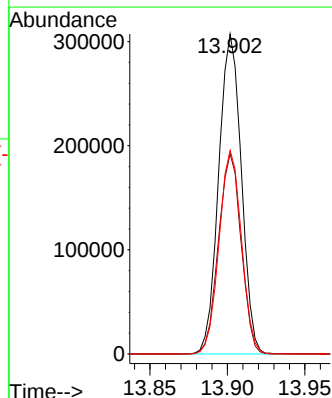
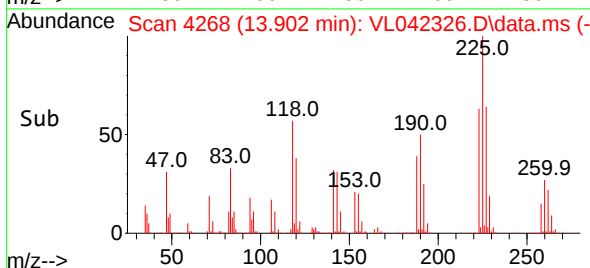
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

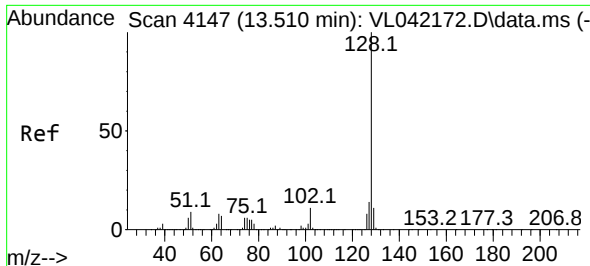


#78
Hexachloro-1,3-Butadiene
Concen: 7.828 ppbv
RT: 13.902 min Scan# 4268
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



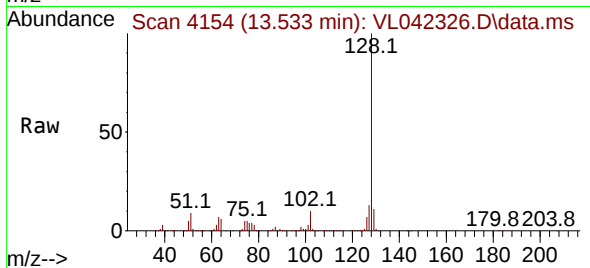
Tgt Ion:225 Resp: 311900
Ion Ratio Lower Upper
225 100
223 62.4 50.6 76.0
227 63.0 51.2 76.8





#79
Naphthalene
Concen: 9.490 ppbv
RT: 13.533 min Scan# 4147
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30

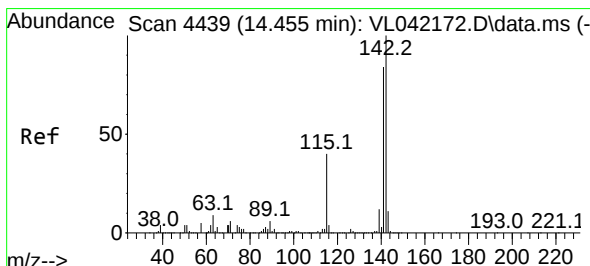
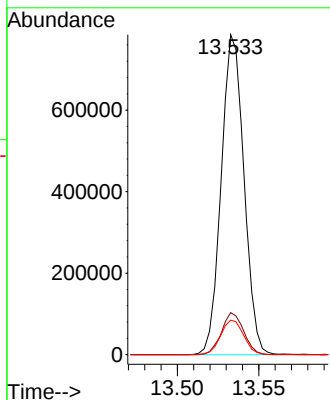
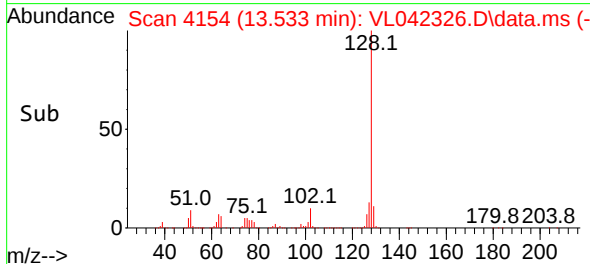
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



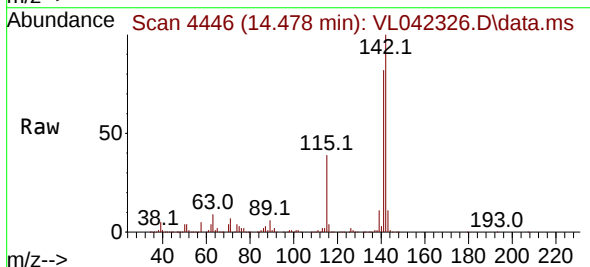
Tgt Ion:128 Resp: 760870
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.8 9.0 13.4

Manual Integrations
APPROVED

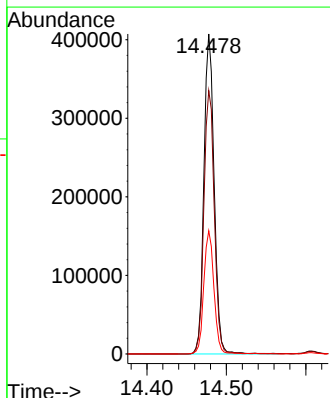
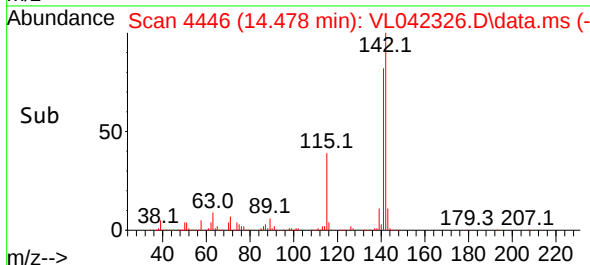
Reviewed By :Semsettin Yesilyurt 04/16/2025
Supervised By :Mahesh Dadoda 04/16/2025

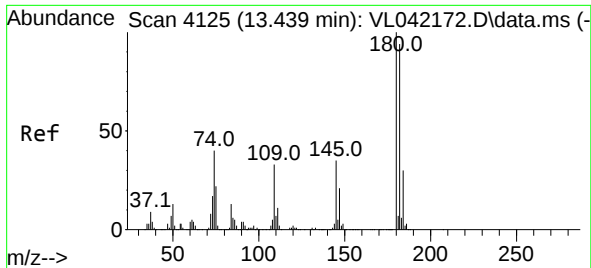


#80
Naphthalene,2-methyl-
Concen: 9.294 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.023 min
Lab File: VL042326.D
Acq: 15 Apr 2025 11:30



Tgt Ion:142 Resp: 365398
Ion Ratio Lower Upper
142 100
141 84.6 66.3 99.5
115 38.5 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.114 ppbv
 RT: 13.461 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: VL042326.D
 Acq: 15 Apr 2025 11:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 33703
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.1 112.7
 184 30.2 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/16/2025
 Supervised By :Mahesh Dadoda 04/16/2025

