

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042351.D
 Acq On : 17 Apr 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Apr 18 01:24:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	124177	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	359907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	329090	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 269087 9.950 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	22816	1.040	ppbv	93
3) Chlorodifluoromethane	1.476	51	20573	0.985	ppbv	97
4) Chloromethane	1.535	50	9008	1.038	ppbv	99
5) Vinyl Chloride	1.580	62	8807	0.932	ppbv	98
6) Bromomethane	1.671	94	4099	1.001	ppbv	91
7) Chloroethane	1.706	64	3559	1.041	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	19251	1.022	ppbv	100
9) Propene	1.486	41	9892	1.040	ppbv	92
10) Heptane	4.982	43	28507m	1.114	ppbv	
11) Trichlorofluoromethane	1.878	101	22428	1.075	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	17865	1.047	ppbv	98
13) Ethanol	1.722	45	1730m	2.225	ppbv	
14) Bromoethene	1.784	108	6766	1.052	ppbv #	89
15) Acetone	1.839	43	23537	1.158	ppbv	97
16) 1,3-Butadiene	1.609	39	10377m	1.087	ppbv	
17) tert-Butyl alcohol	2.043	59	26477	1.051	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	7890	0.962	ppbv	94
19) Isopropyl Alcohol	1.888	45	12175	1.078	ppbv #	39
20) Methylene Chloride	2.062	84	9046	1.136	ppbv	87
21) Allyl Chloride	2.098	41	15057	1.073	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9421	1.038	ppbv	96
23) Vinyl Acetate	2.467	43	9234	1.122	ppbv #	90
24) 1,1-Dichloroethane	2.409	63	18236	1.058	ppbv	99
25) Ethyl Acetate	2.842	43	51494	1.027	ppbv #	97
26) Hexane	2.826	57	21350	1.053	ppbv	95
27) Carbon Disulfide	2.153	76	20739	0.955	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	14164	1.066	ppbv #	85
29) Chloroform	2.852	83	28973	1.011	ppbv	100
30) Cyclohexane	3.862	84	16547m	1.013	ppbv	
31) cis-1,2-Dichloroethene	2.723	61	19904	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	31653	1.030	ppbv	98
34) 2-Butanone	2.564	43	29735	1.045	ppbv	99
35) Carbon Tetrachloride	3.768	117	29875	0.917	ppbv	94
36) Benzene	3.661	78	38707	0.997	ppbv	95
37) 1,2-Dichloroethane	3.224	62	23284	0.999	ppbv	97
38) Trichloroethene	4.551	130	16119	0.947	ppbv	96
39) 1,2-Dichloropropane	4.318	63	14866	1.027	ppbv	96
40) 1,4-Dioxane	4.597	88	8737m	1.114	ppbv	
41) Tetrahydrofuran	3.062	42	17259	1.049	ppbv	96
42) Bromodichloromethane	4.490	83	32721	1.009	ppbv #	98
43) Methyl Methacrylate	4.885	69	18699m	1.073	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	68946m	1.027	ppbv	
45) t-1,3-Dichloropropene	6.416	75	18347m	1.026	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
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 Acq On : 17 Apr 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:27:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 01:24:29 2025

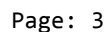
Response via : Initial Calibration

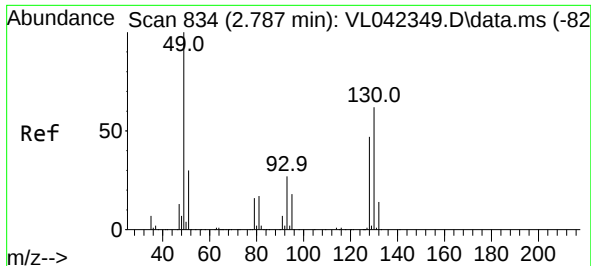
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	22189m	1.015	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	15457m	1.048	ppbv	
48) Dibromochloromethane	7.390	129	25948	0.997	ppbv	100
49) Bromoform	9.484	173	22413	0.984	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	49725	1.049	ppbv	97
51) 2-Hexanone	7.445	43	47178	1.103	ppbv	99
52) Tetrachloroethene	8.228	164	14154	0.943	ppbv	93
53) Toluene	6.940	91	46611	1.001	ppbv	100
54) 1,2-Dibromoethane	7.658	107	21780	1.036	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.927	131	21052	1.057	ppbv	95
57) Chlorobenzene	8.921	112	35113	1.026	ppbv #	95
58) Ethyl Benzene	9.354	91	68703	1.054	ppbv	96
59) m/p-Xylene	9.552	91	110702m	2.101	ppbv	
60) o-Xylene	9.966	91	55831	1.056	ppbv	99
61) Styrene	9.872	104	25544	1.012	ppbv	100
62) Isopropylbenzene	10.542	105	81286	1.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	32410	0.943	ppbv	99
64) n-propylbenzene	10.989	120	19898	1.019	ppbv	90
65) tert-Butylbenzene	11.533	119	77598	1.087	ppbv	92
66) Benzyl Chloride	11.617	91	7864	1.003	ppbv #	91
67) sec-Butylbenzene	11.769	105	105919	1.067	ppbv	97
69) p-Isopropyltoluene	11.928	119	92733	1.075	ppbv	97
70) n-Butylbenzene	12.284	91	96306	1.072	ppbv	99
71) 2-Chlorotoluene	10.905	91	63321	1.040	ppbv	99
72) 4-Ethyltoluene	11.128	105	69698	1.078	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	60927	1.067	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	73888	1.108	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	36877	1.064	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	36692	1.053	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	35977	1.068	ppbv	97
78) Hexachloro-1,3-Butadiene	13.886	225	37377	1.098	ppbv	99
79) Naphthalene	13.517	128	90710	1.138	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	50487	1.111	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	36764	1.074	ppbv	99

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

Manual Integrations

Quant Time: Apr 18 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration





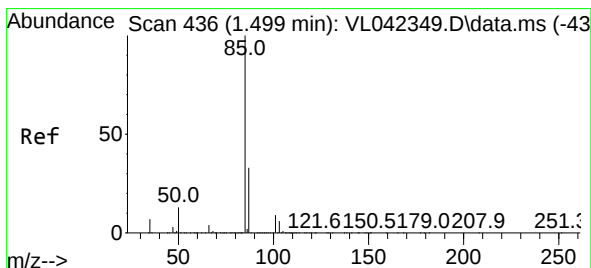
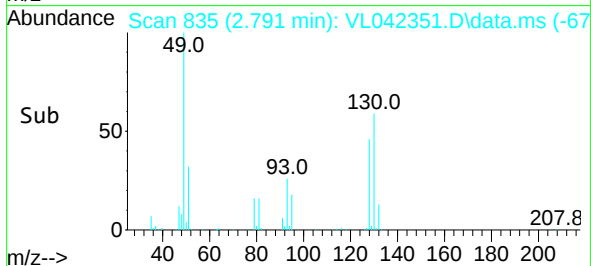
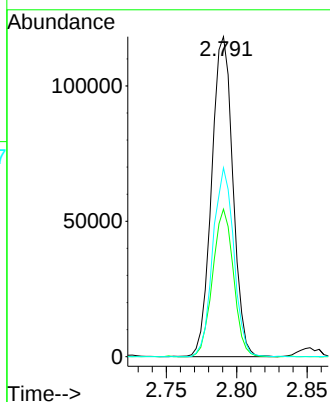
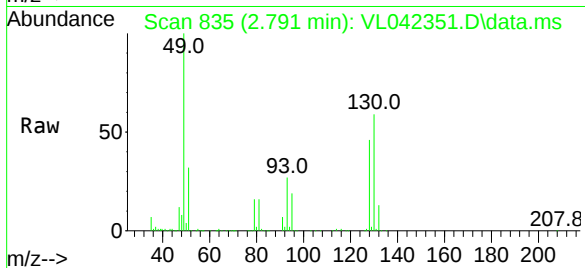
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 12417
Ion Ratio Lower Upper
49 100
128 45.2 22.8 68.4
130 58.1 29.3 88.0

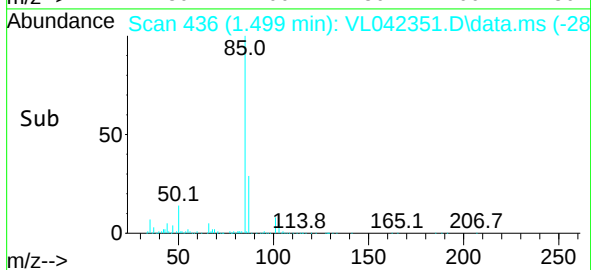
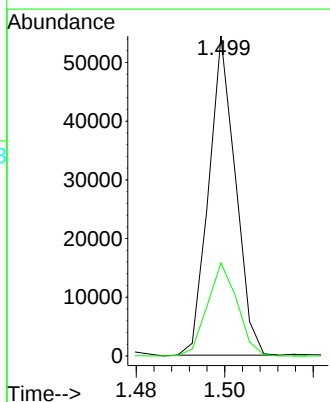
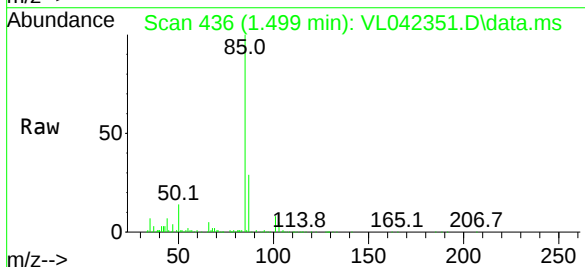
Manual Integrations
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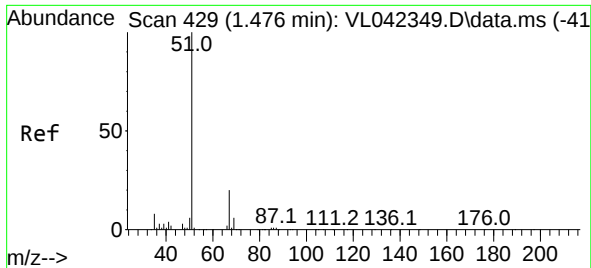
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#2
Dichlorodifluoromethane
Concen: 1.040 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

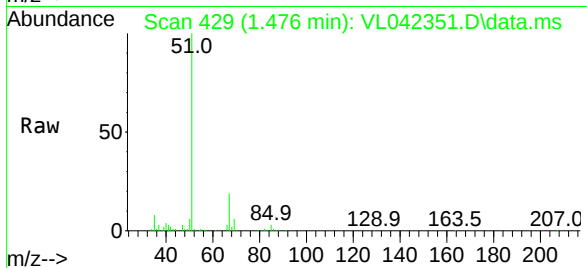
Tgt Ion: 85 Resp: 22816
Ion Ratio Lower Upper
85 100
87 29.1 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.985 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

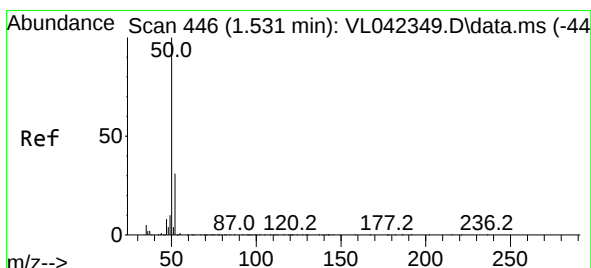
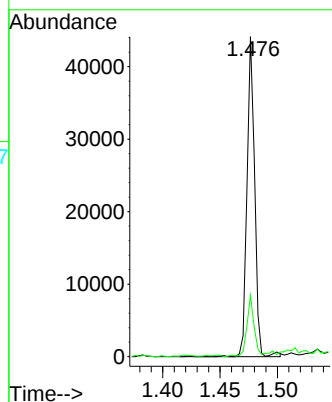
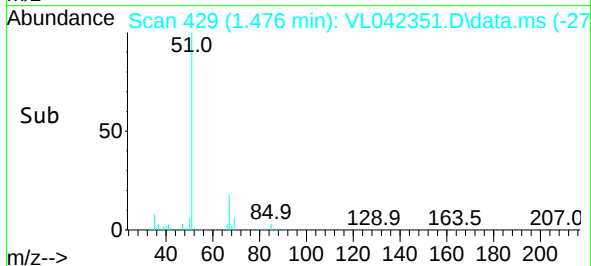
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



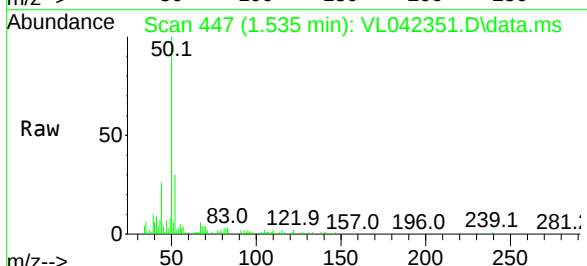
Tgt Ion: 51 Resp: 2057
Ion Ratio Lower Upper
51 100
67 19.1 16.2 24.4

Manual Integrations
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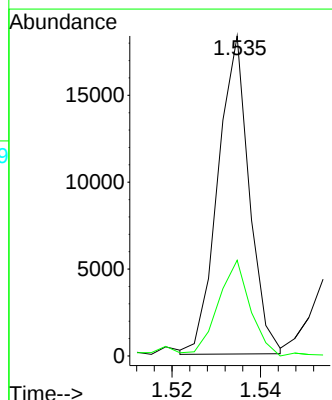
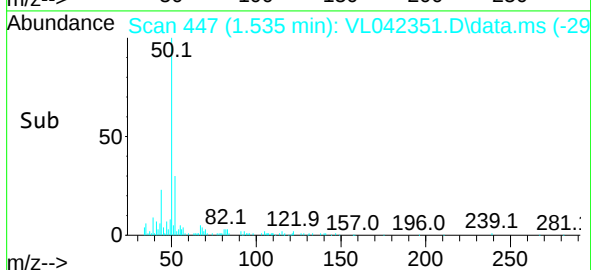
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

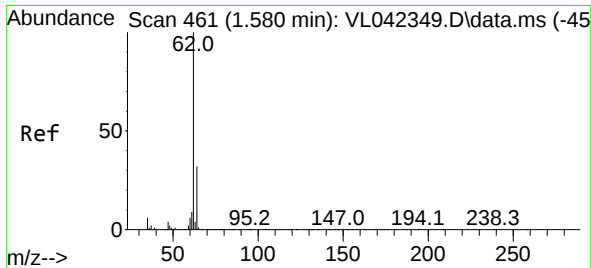


#4
Chloromethane
Concen: 1.038 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 50 Resp: 9008
Ion Ratio Lower Upper
50 100
52 30.4 24.7 37.1





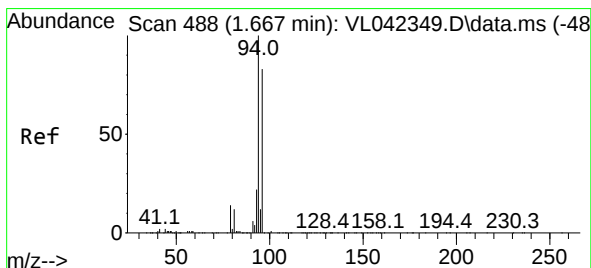
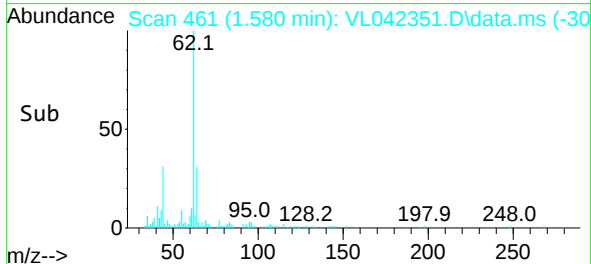
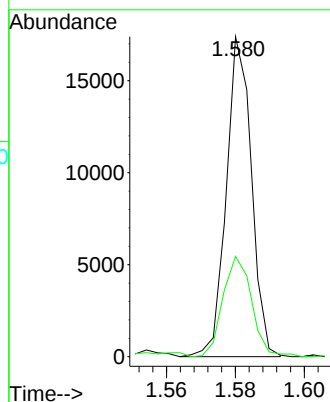
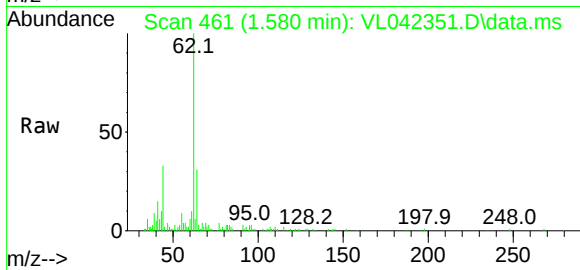
#5
 Vinyl Chloride
 Concen: 0.932 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 880
 Ion Ratio Lower Upper
 62 100
 64 30.5 25.4 38.0

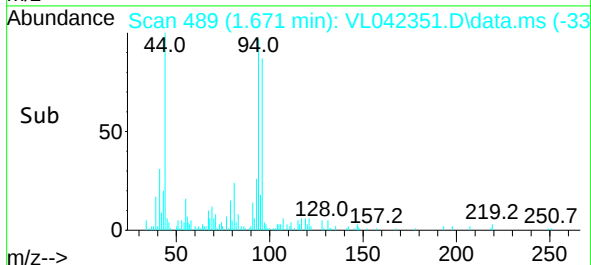
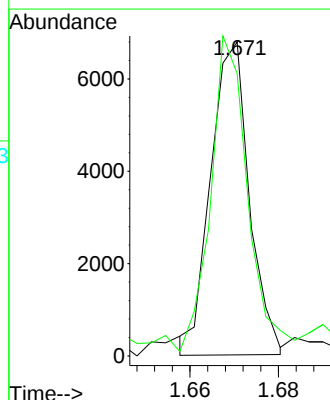
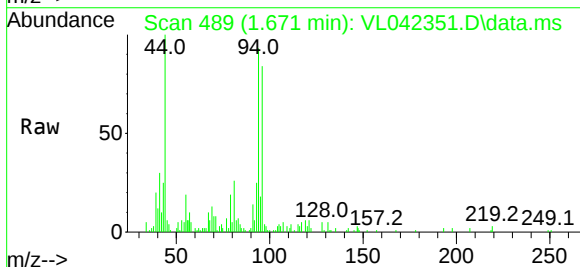
Manual Integrations
 APPROVED

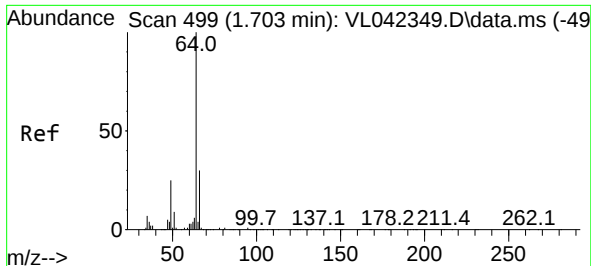
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#6
 Bromomethane
 Concen: 1.001 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

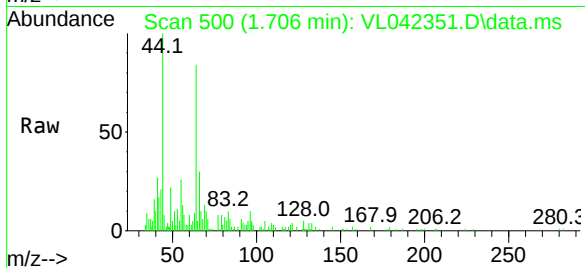
Tgt Ion: 94 Resp: 4099
 Ion Ratio Lower Upper
 94 100
 96 91.0 66.2 99.2





#7
Chloroethane
Concen: 1.041 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

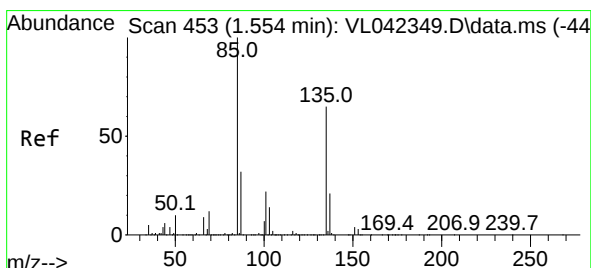
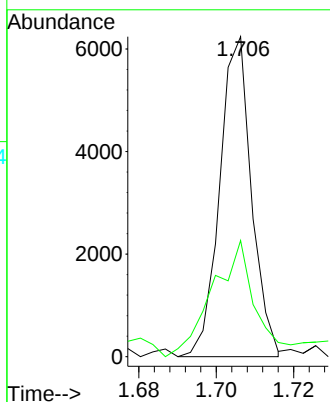
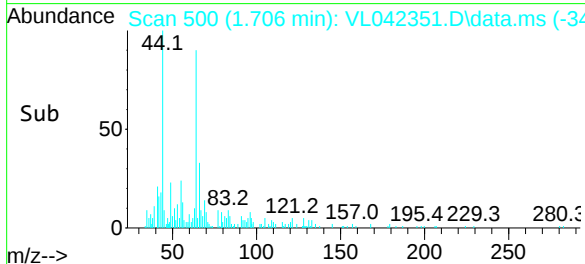
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



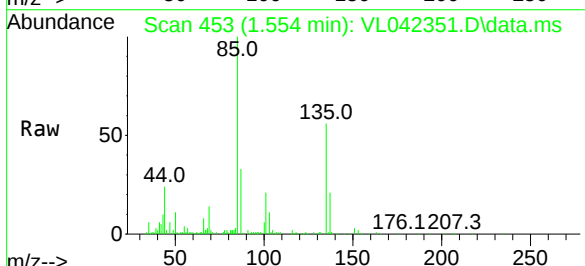
Tgt Ion: 64 Resp: 3559
Ion Ratio Lower Upper
64 100
66 36.3 24.6 37.0

Manual Integrations
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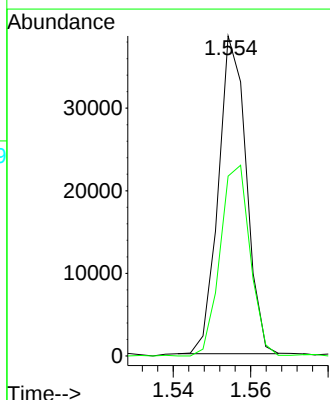
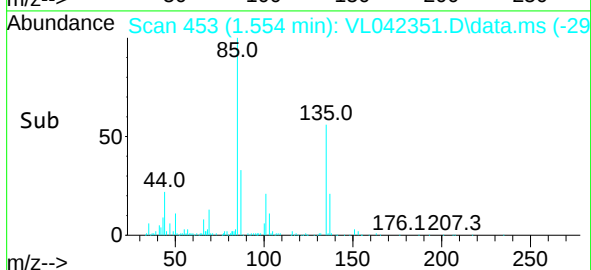
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

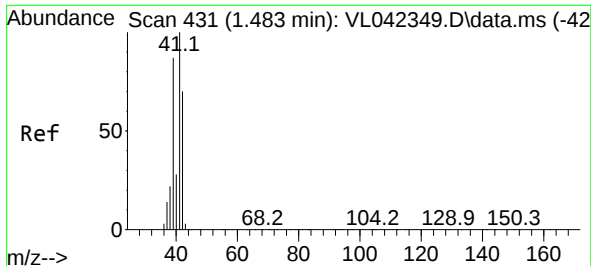


#8
Dichlorotetrafluoroethane
Concen: 1.022 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 85 Resp: 19251
Ion Ratio Lower Upper
85 100
135 65.2 52.2 78.2





#9

Propene

Concen: 1.040 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 989

Ion Ratio Lower Upper

41 100

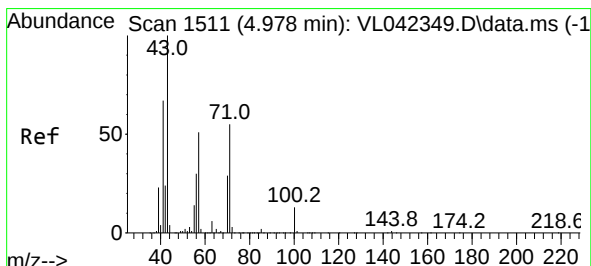
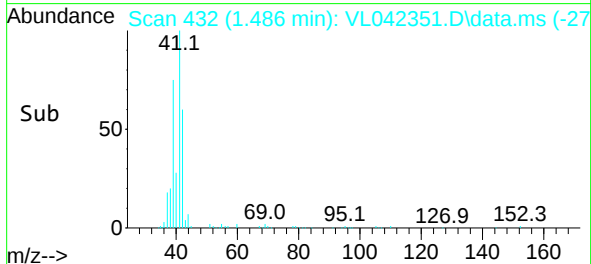
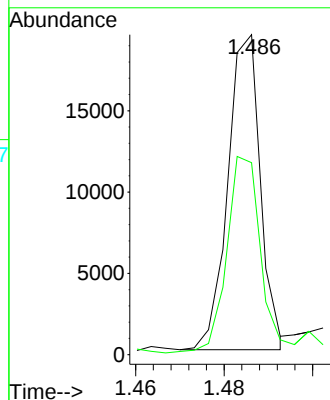
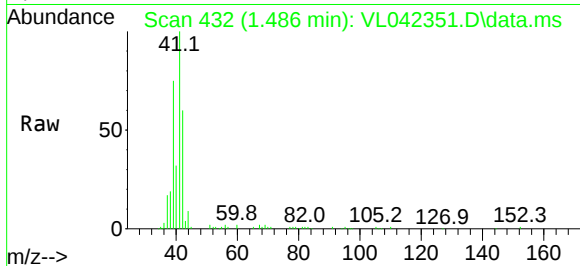
42 77.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#10

Heptane

Concen: 1.114 ppbv m

RT: 4.982 min Scan# 1512

Delta R.T. 0.004 min

Lab File: VL042351.D

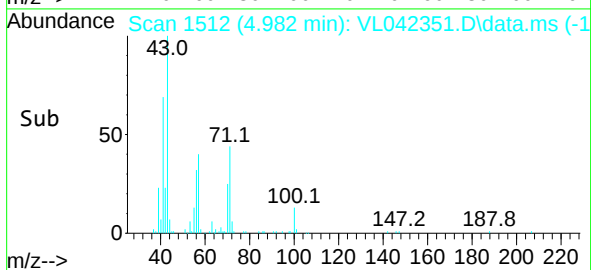
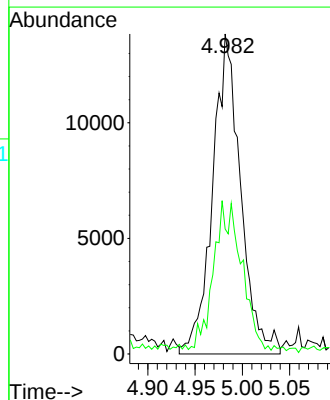
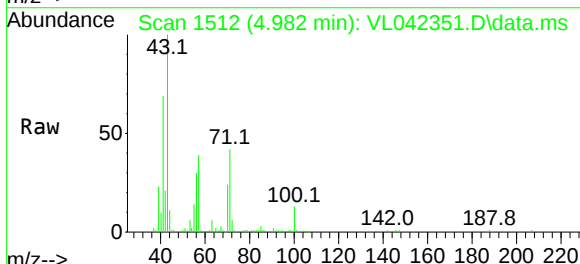
Acq: 17 Apr 2025 10:48

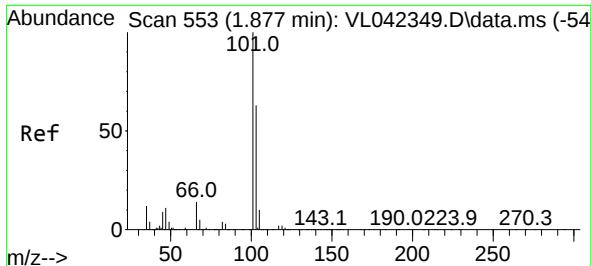
Tgt Ion: 43 Resp: 28507

Ion Ratio Lower Upper

43 100

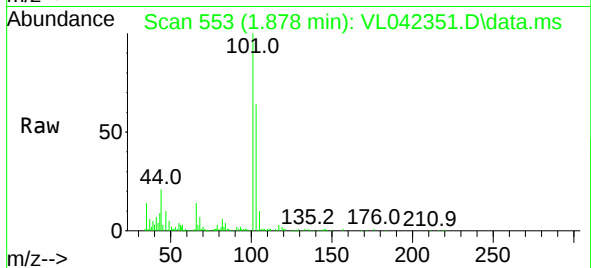
57 48.1 39.9 59.9





#11
Trichlorofluoromethane
Concen: 1.075 ppbv
RT: 1.878 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

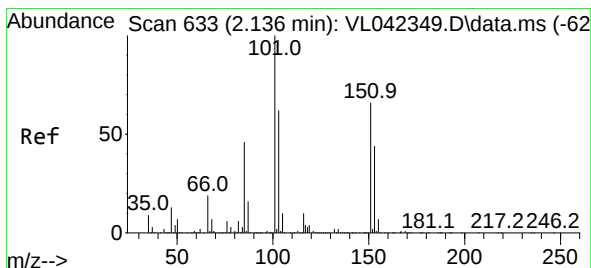
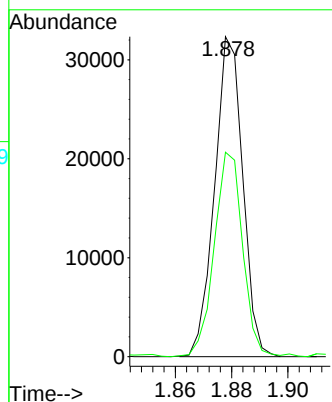
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



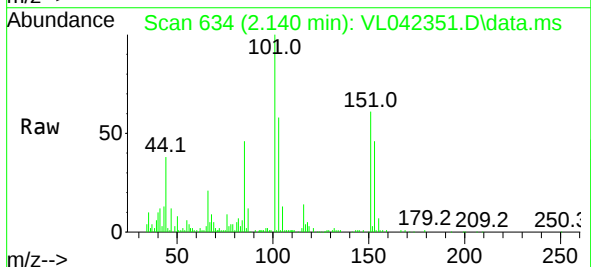
Tgt Ion:101 Resp: 22428
Ion Ratio Lower Upper
101 100
103 63.6 50.1 75.1

Manual Integrations
APPROVED

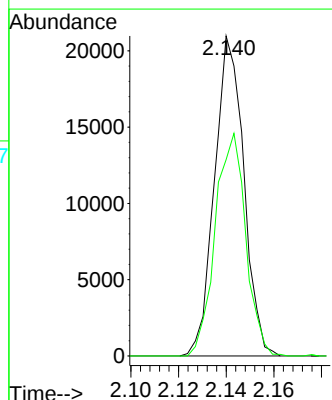
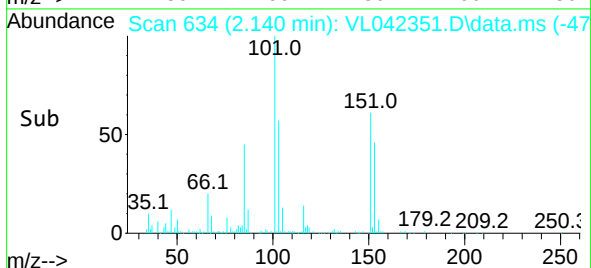
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

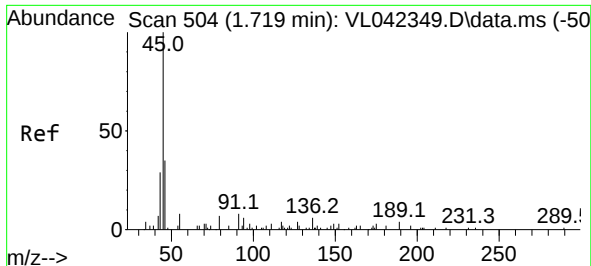


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.047 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion:101 Resp: 17865
Ion Ratio Lower Upper
101 100
151 72.6 57.0 85.6





#13

Ethanol

Concen: 2.225 ppbv m

RT: 1.722 min Scan# 504

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 45 Resp: 1730

Ion Ratio Lower Upper

45 100

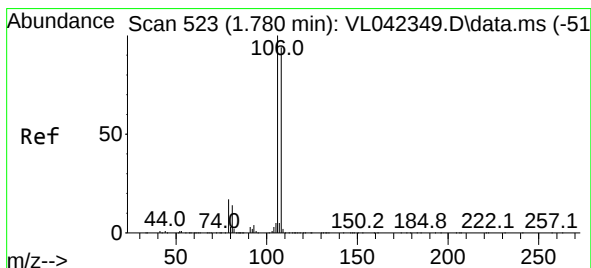
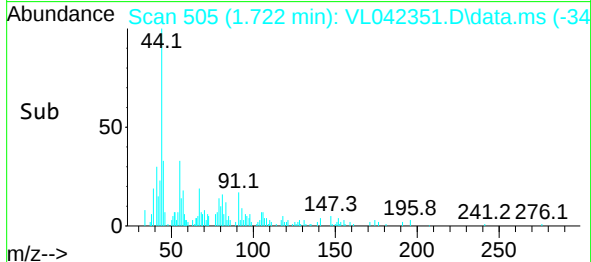
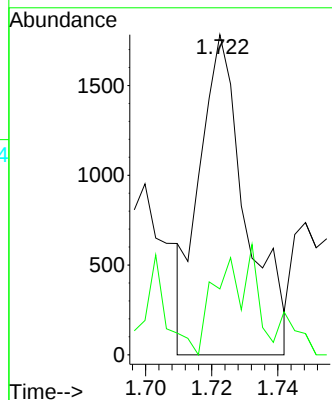
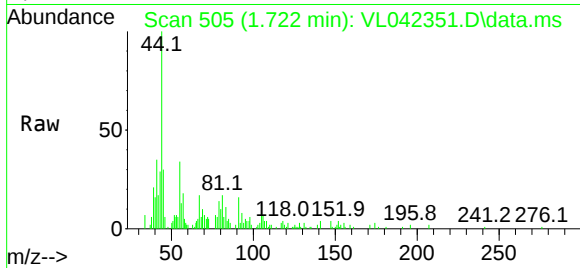
46 44.9 21.9 87.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#14

Bromoethene

Concen: 1.052 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

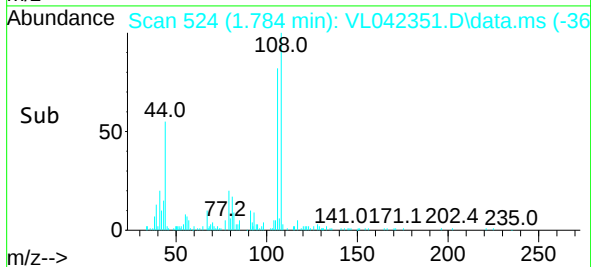
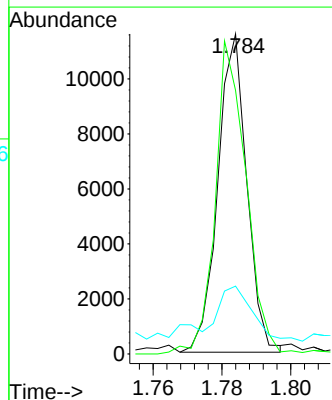
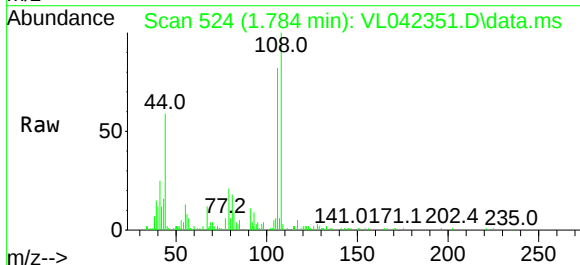
Tgt Ion:108 Resp: 6766

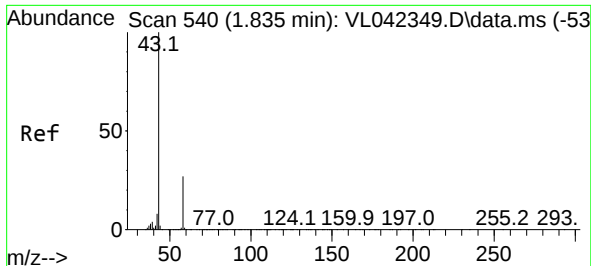
Ion Ratio Lower Upper

108 100

106 104.7 85.9 128.9

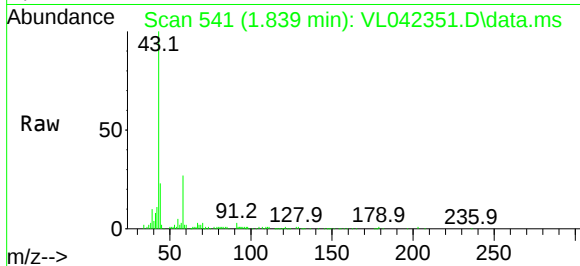
79 45.4 13.9 20.9#





#15
Acetone
Concen: 1.158 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

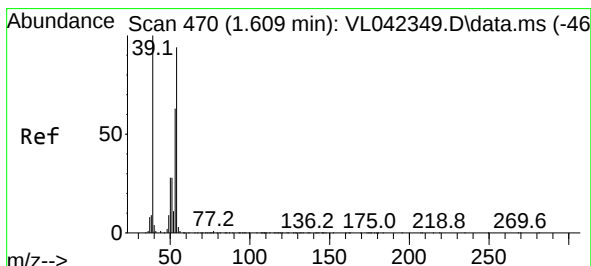
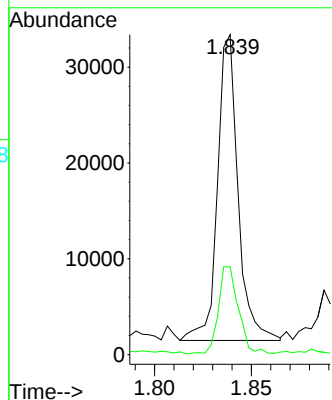
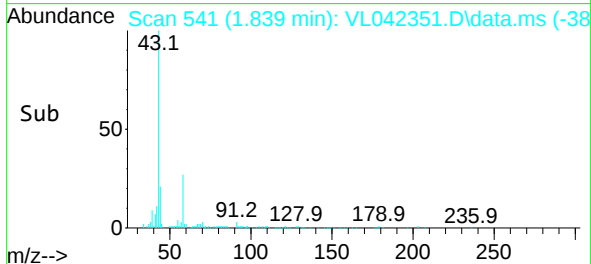
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



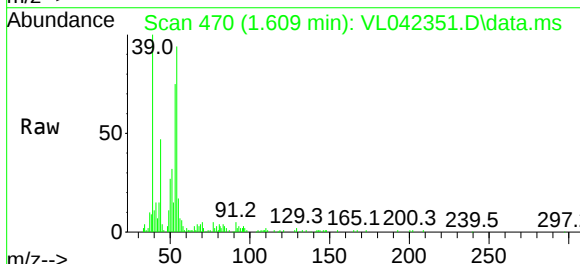
Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
58 29.4 22.4 33.6

Manual Integrations
APPROVED

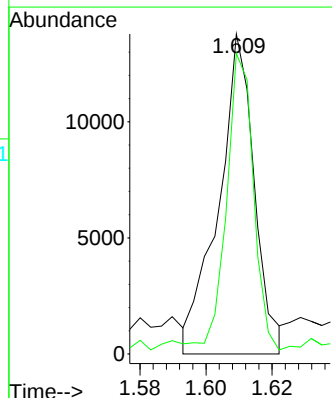
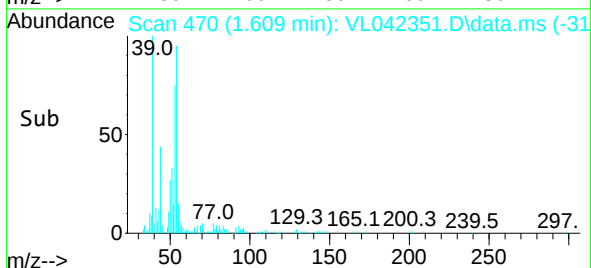
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

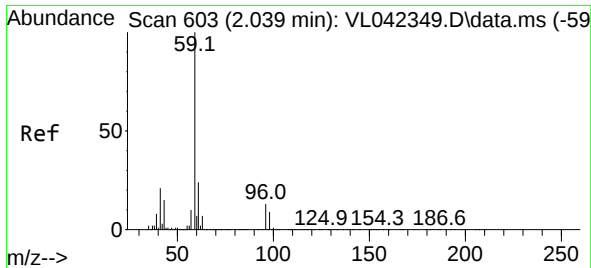


#16
1,3-Butadiene
Concen: 1.087 ppbv m
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 39 Resp: 10377
Ion Ratio Lower Upper
39 100
54 71.0 64.9 97.3





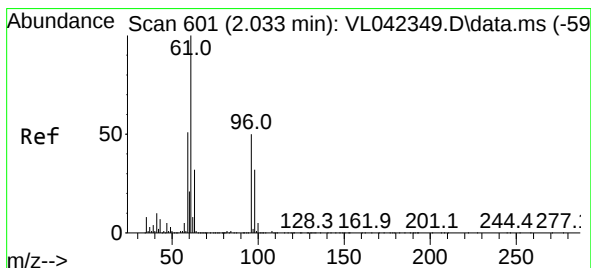
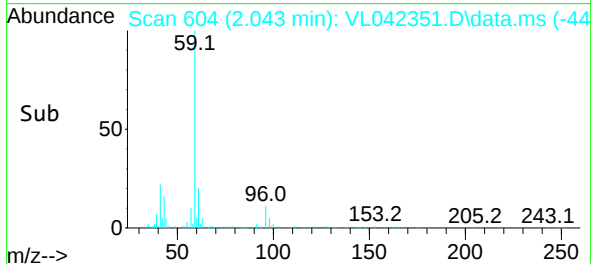
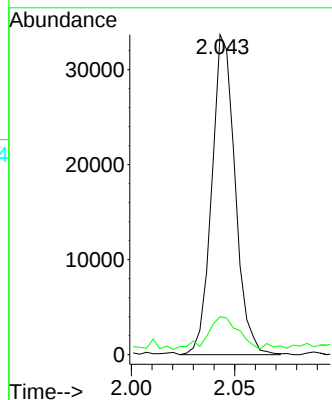
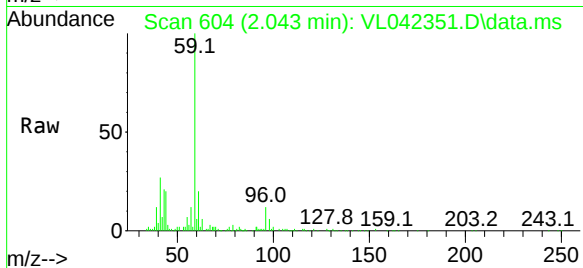
#17
tert-Butyl alcohol
Concen: 1.051 ppbv
RT: 2.043 min Scan# 603
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 2647
Ion Ratio Lower Upper
59 100
57 14.6 8.7 13.1

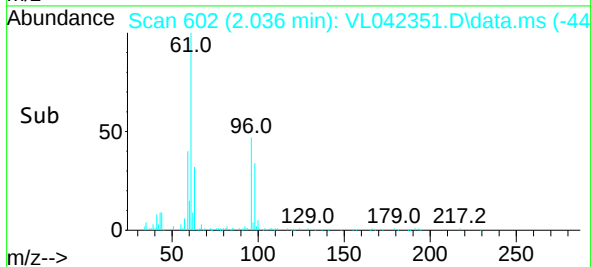
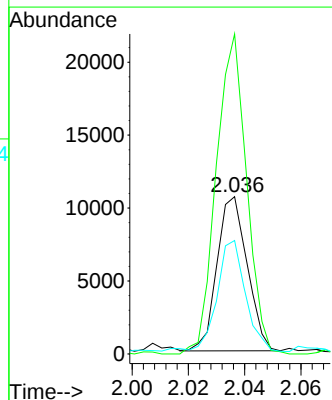
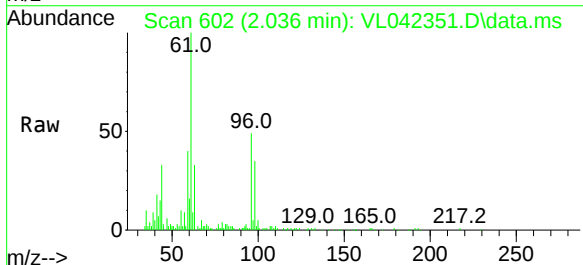
Manual Integrations
APPROVED

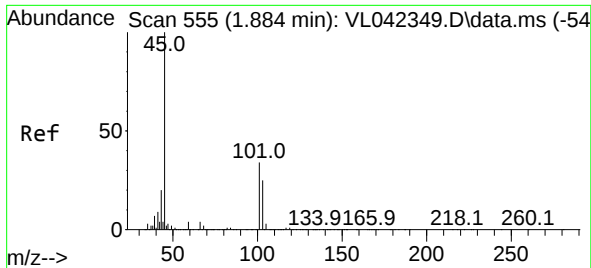
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#18
1,1-Dichloroethene
Concen: 0.962 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

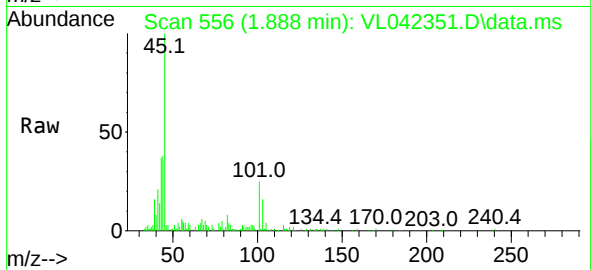
Tgt Ion: 96 Resp: 7890
Ion Ratio Lower Upper
96 100
61 207.8 160.2 240.2
98 71.9 51.0 76.4





#19
Isopropyl Alcohol
Concen: 1.078 ppbv
RT: 1.888 min Scan# 511
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

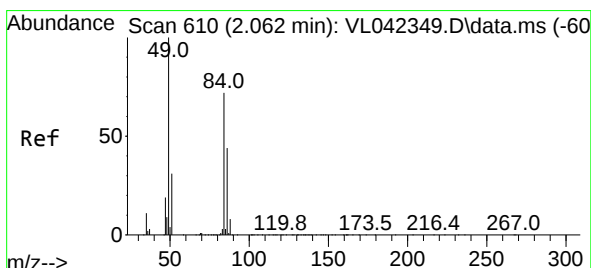
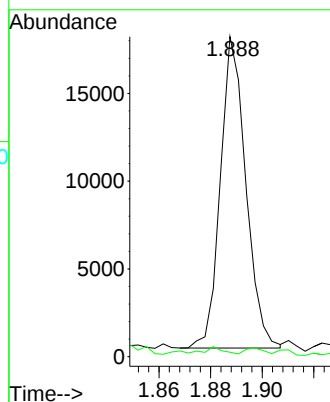
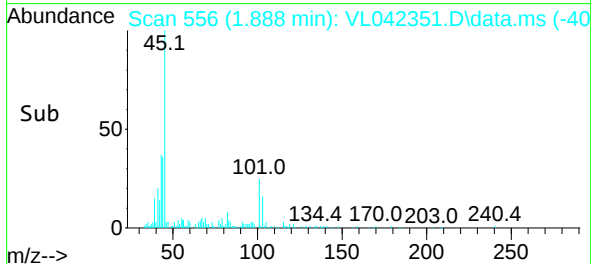
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 45 Resp: 1217
Ion Ratio Lower Upper
45 100
58 3.8 34.5 51.7

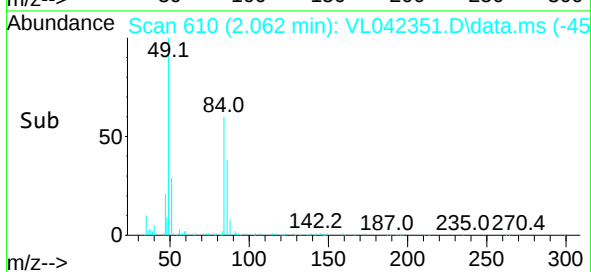
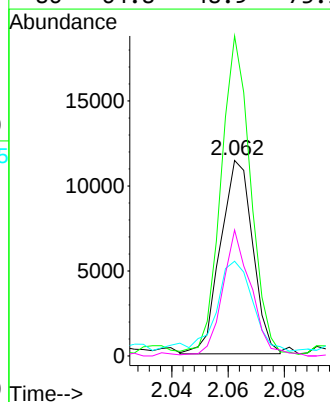
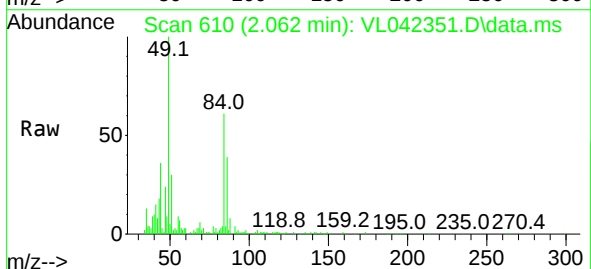
Manual Integrations
APPROVED

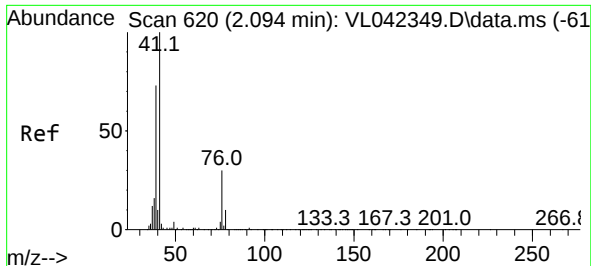
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#20
Methylene Chloride
Concen: 1.136 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

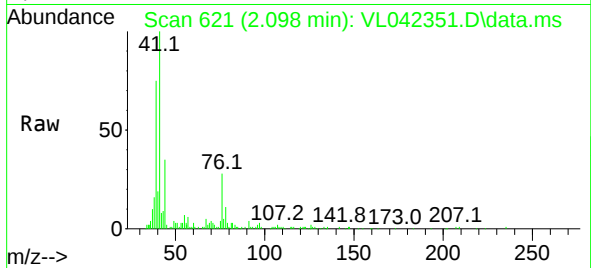
Tgt Ion: 84 Resp: 9046
Ion Ratio Lower Upper
84 100
49 164.4 111.6 167.4
51 44.4 35.1 52.7
86 64.8 48.9 73.3





#21
 Allyl Chloride
 Concen: 1.073 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

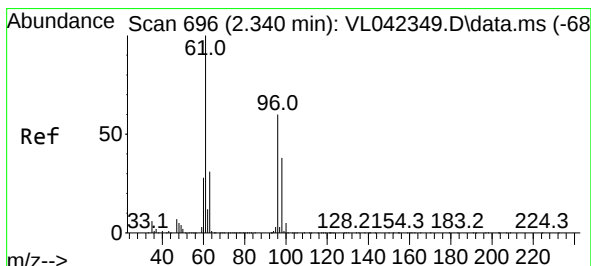
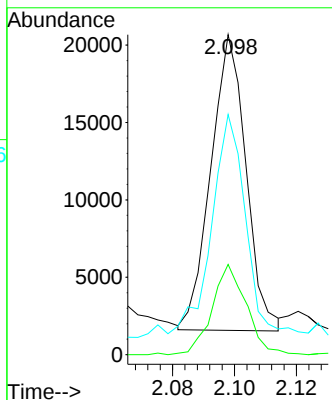
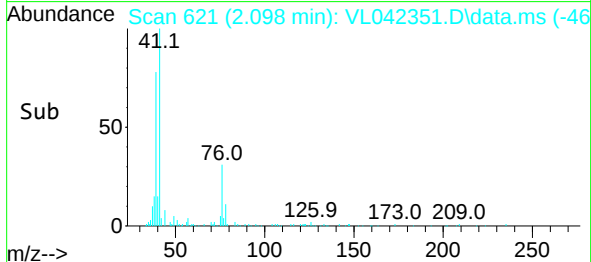
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 41 Resp: 1505
 Ion Ratio Lower Upper
 41 100
 76 29.8 24.8 37.2
 39 86.1 60.6 90.8

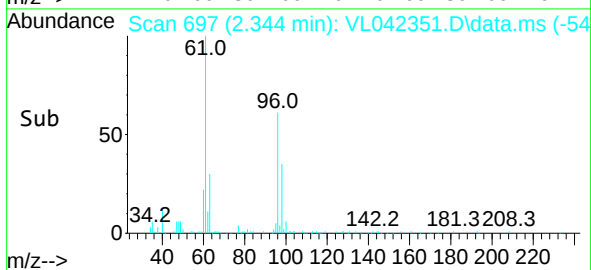
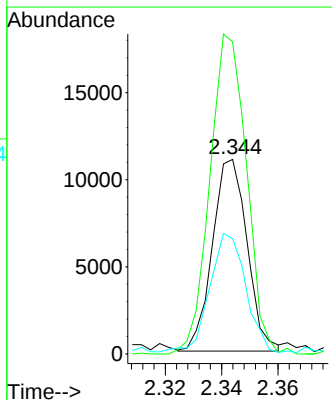
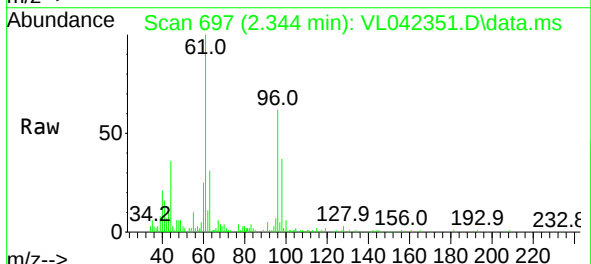
Manual Integrations
 APPROVED

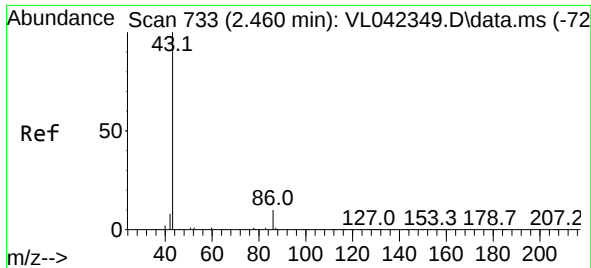
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.038 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

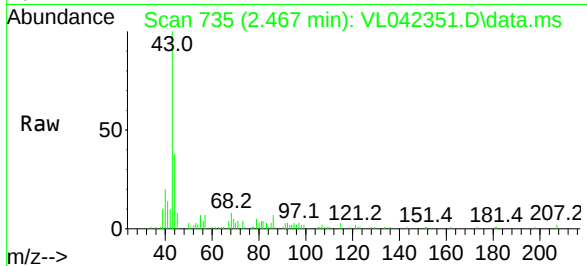
Tgt Ion: 96 Resp: 9421
 Ion Ratio Lower Upper
 96 100
 61 161.7 133.7 200.5
 98 59.8 50.3 75.5





#23
 Vinyl Acetate
 Concen: 1.122 ppbv
 RT: 2.467 min Scan# 717
 Delta R.T. 0.007 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

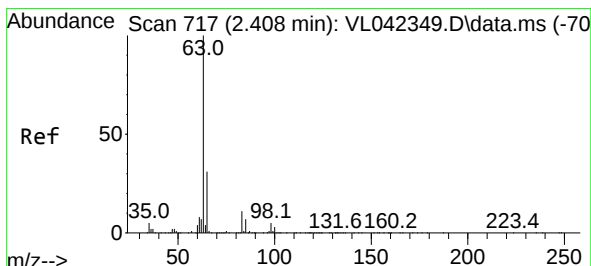
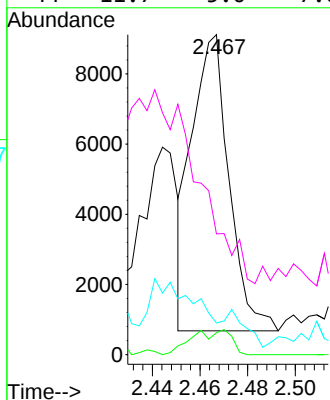
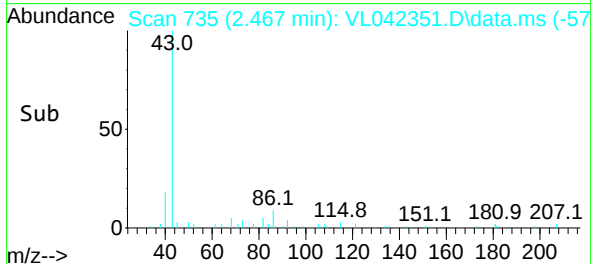
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



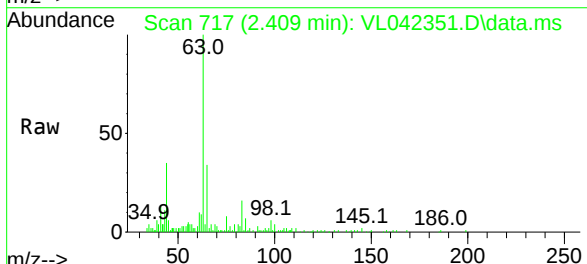
Tgt Ion: 43 Resp: 9234
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.5 9.7
 42 4.6 7.8 11.8
 44 11.7 5.0 7.6#

Manual Integrations
 APPROVED

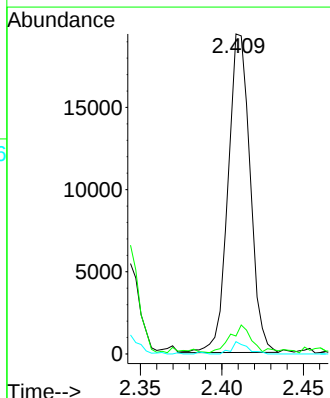
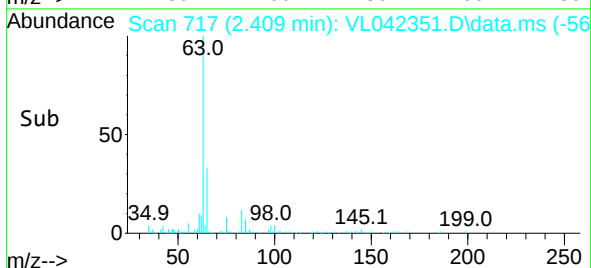
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

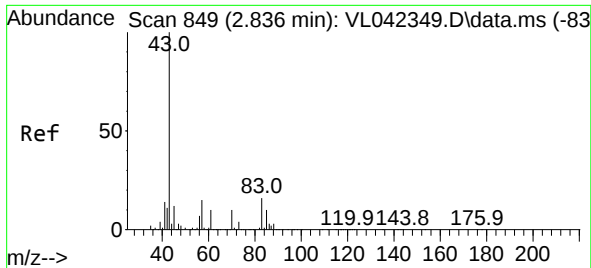


#24
 1,1-Dichloroethane
 Concen: 1.058 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48



Tgt Ion: 63 Resp: 18236
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.8
 100 3.9 1.6 4.8





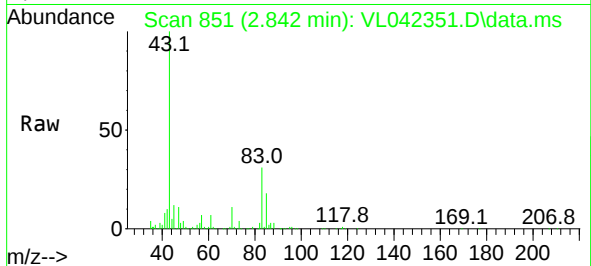
#25
Ethyl Acetate
Concen: 1.027 ppbv
RT: 2.842 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

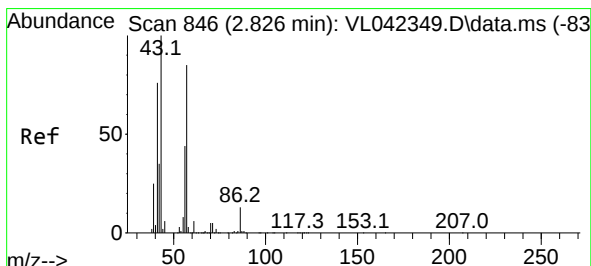
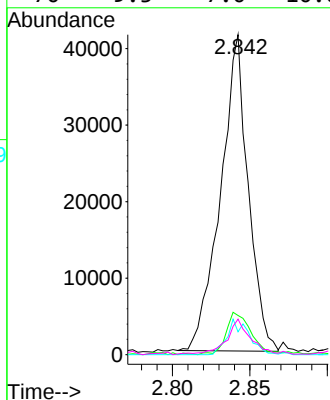
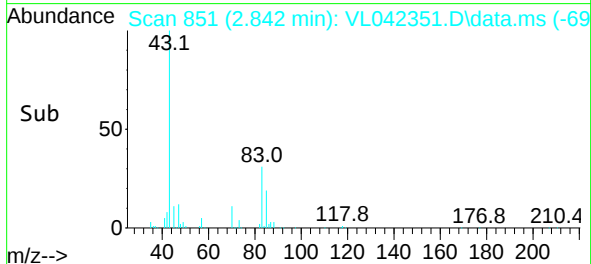


Tgt Ion: 43 Resp: 51494
Ion Ratio Lower Upper
43 100
45 13.1 8.3 12.5
61 9.0 7.3 10.9
70 9.3 7.0 10.6

Manual Integrations

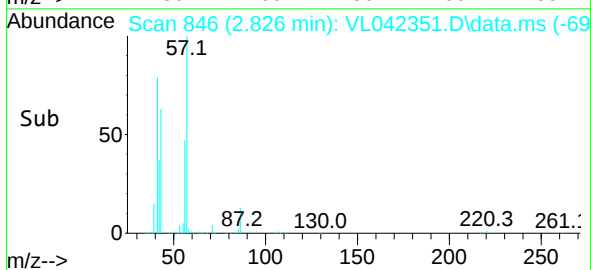
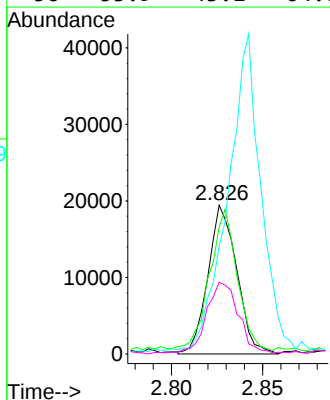
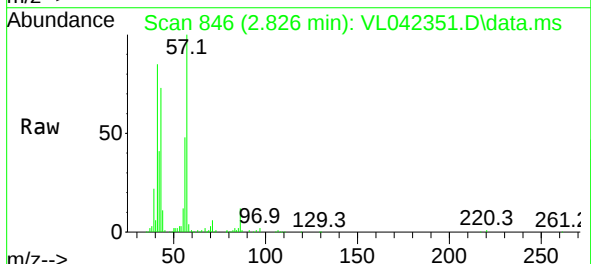
APPROVED

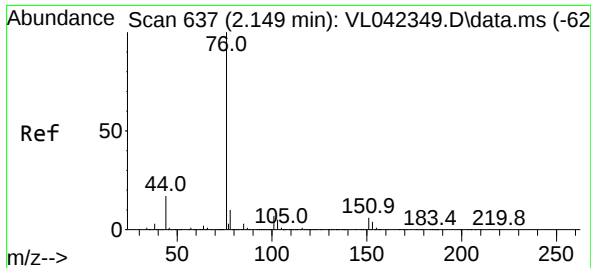
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#26
Hexane
Concen: 1.053 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 21350
Ion Ratio Lower Upper
57 100
41 95.3 77.9 116.9
43 247.5 208.4 312.6
56 53.9 43.1 64.7





#27

Carbon Disulfide

Concen: 0.955 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

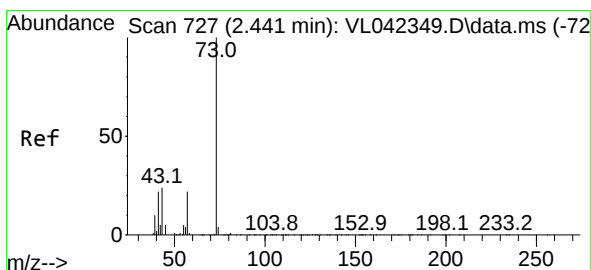
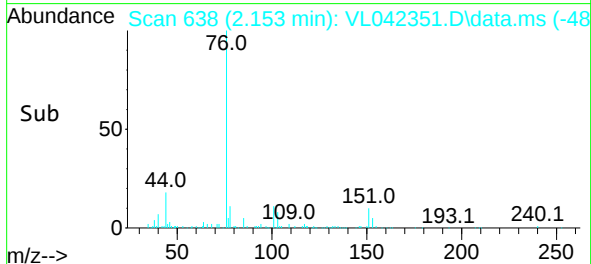
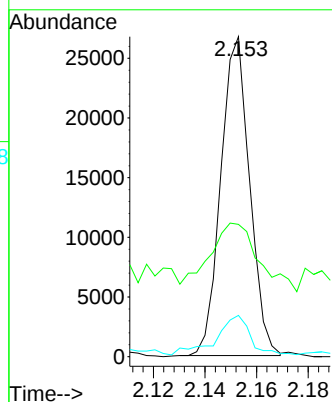
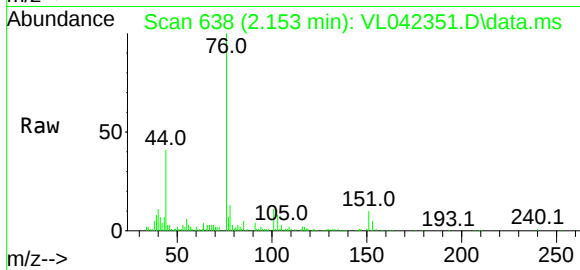
VSTDICC001

Tgt Ion: 76 Resp: 20739
 Ion Ratio Lower Upper
 76 100
 44 93.1 15.5 23.3
 78 19.8 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#28

Methyl tert-Butyl Ether

Concen: 1.066 ppbv

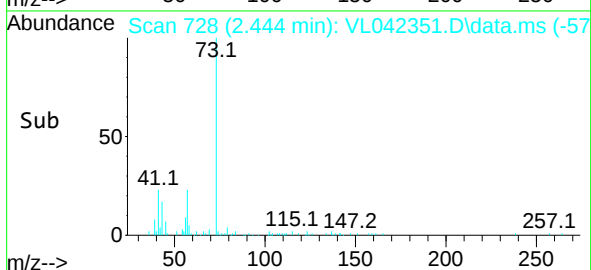
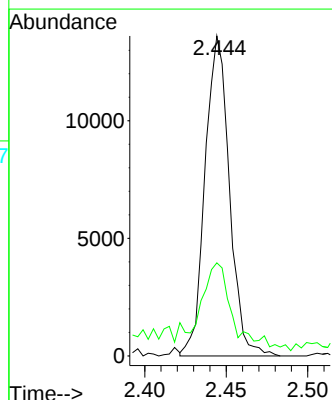
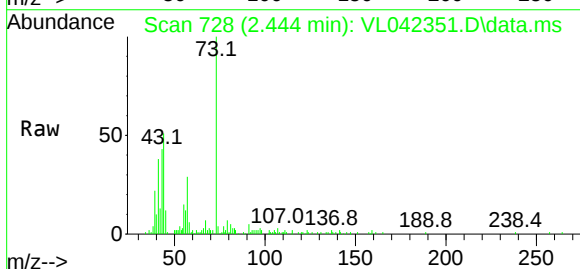
RT: 2.444 min Scan# 728

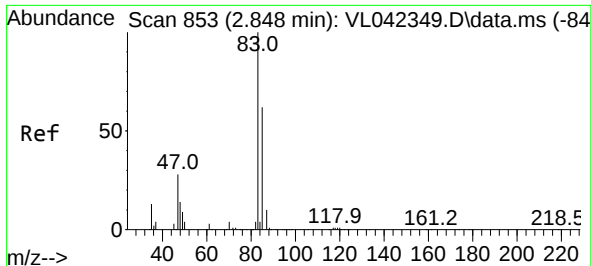
Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion: 73 Resp: 14164
 Ion Ratio Lower Upper
 73 100
 57 34.2 21.3 31.9





#29

Chloroform

Concen: 1.011 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 2897

Ion Ratio Lower Upper

83 100

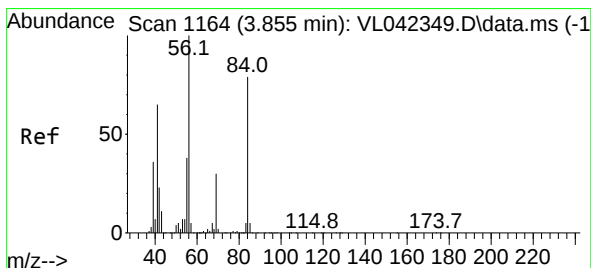
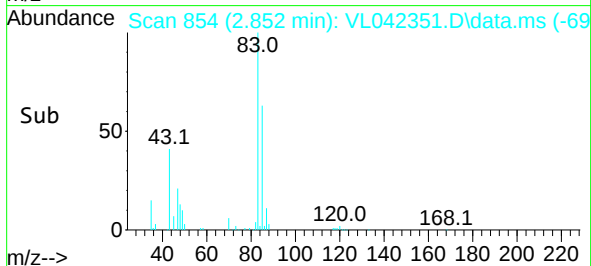
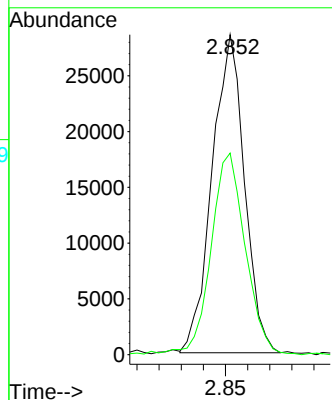
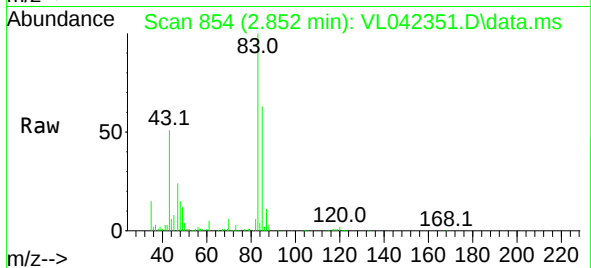
85 62.6 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#30

Cyclohexane

Concen: 1.013 ppbv m

RT: 3.862 min Scan# 1166

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

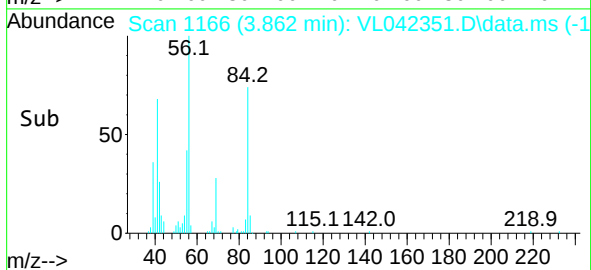
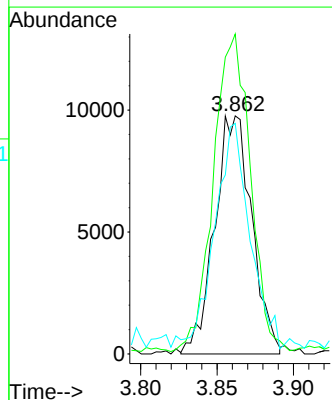
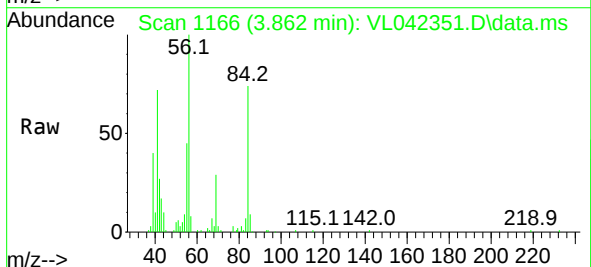
Tgt Ion: 84 Resp: 16547

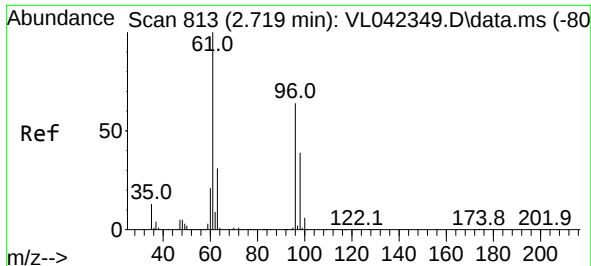
Ion Ratio Lower Upper

84 100

56 134.2 101.0 151.4

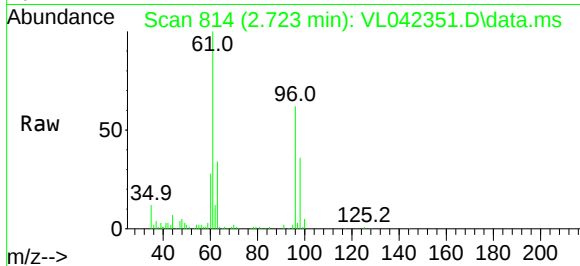
41 85.1 67.4 101.0





#31
 cis-1,2-Dichloroethene
 Concen: 1.032 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.004 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

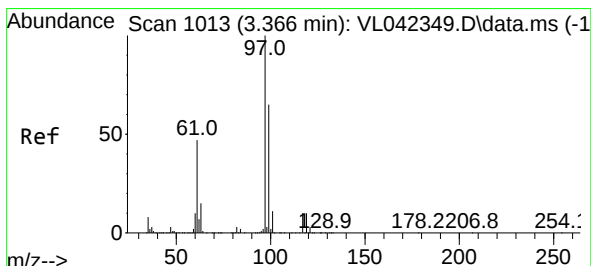
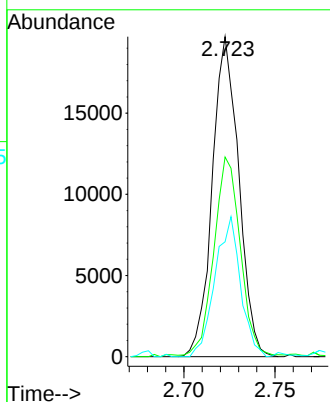
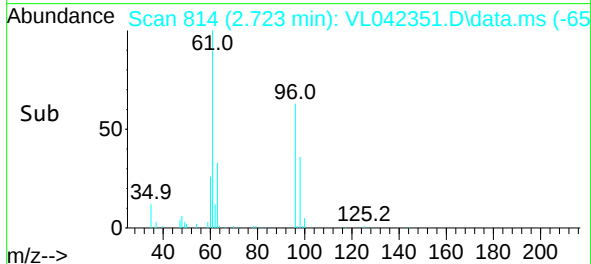
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



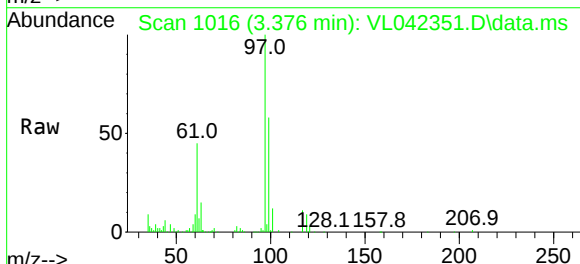
Tgt Ion: 61 Resp: 19904
 Ion Ratio Lower Upper
 61 100
 96 61.9 50.8 76.2
 98 35.9 30.9 46.3

Manual Integrations
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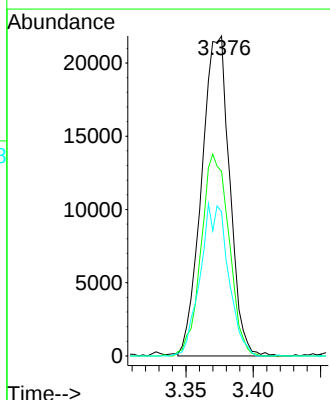
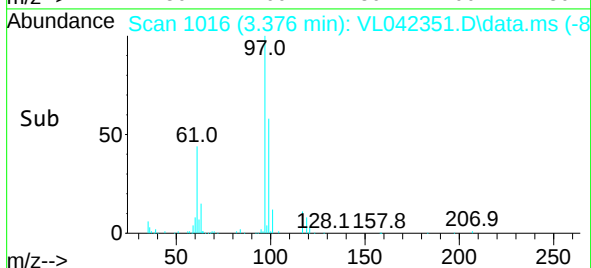
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

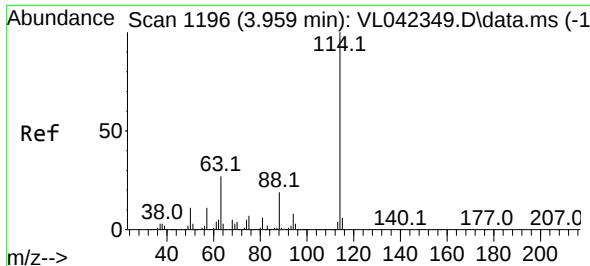


#32
 1,1,1-Trichloroethane
 Concen: 1.030 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.010 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48



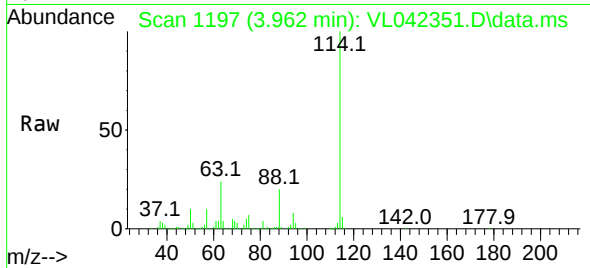
Tgt Ion: 97 Resp: 31653
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.0 76.4
 61 47.6 38.8 58.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1196
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

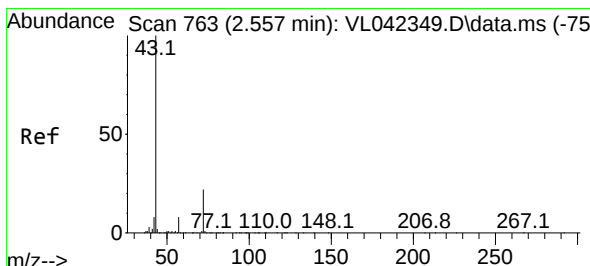
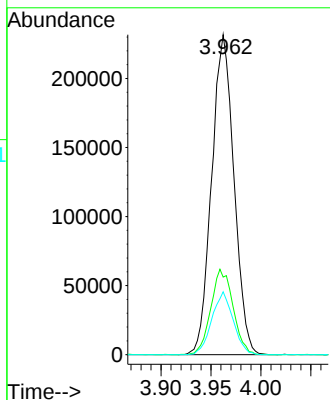
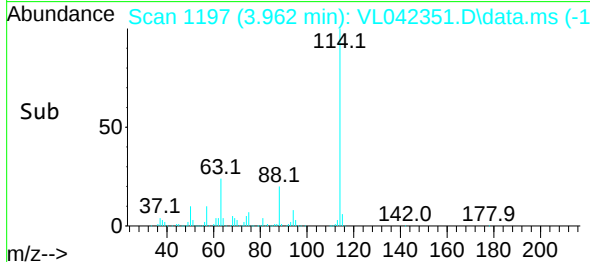
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:114 Resp: 35990
Ion Ratio Lower Upper
114 100
63 26.7 21.8 32.6
88 18.8 15.5 23.3

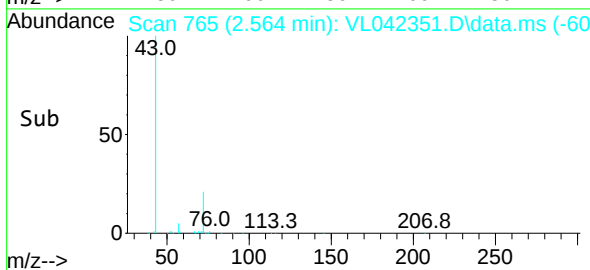
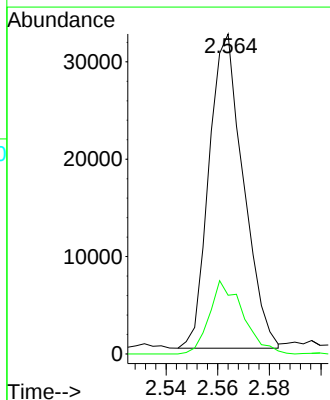
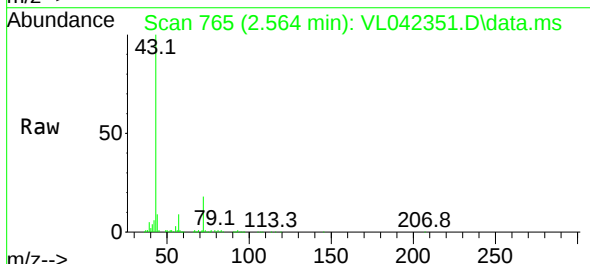
Manual Integrations
APPROVED

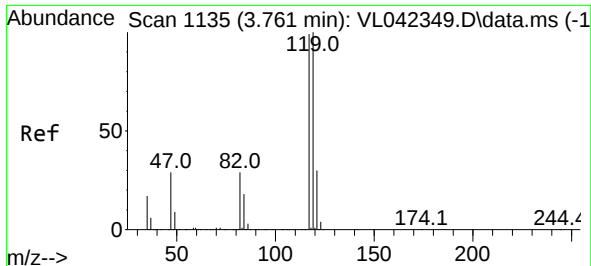
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#34
2-Butanone
Concen: 1.045 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

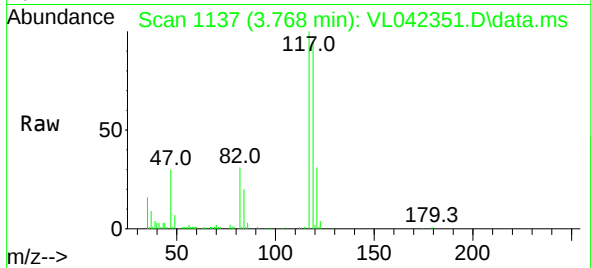
Tgt Ion: 43 Resp: 29735
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.917 ppbv
RT: 3.768 min Scan# 1135
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

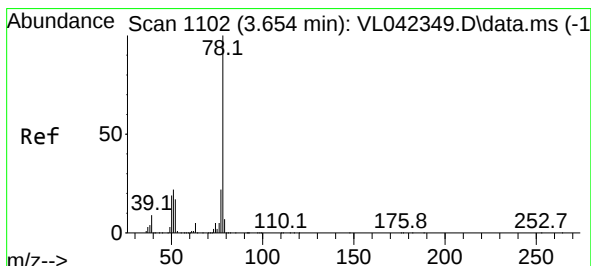
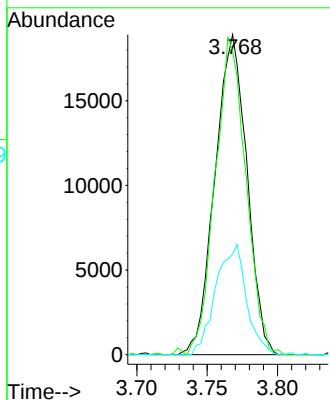
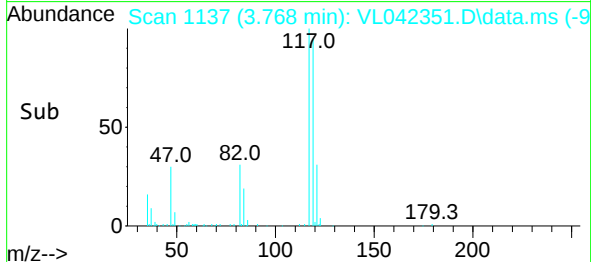
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 117 Resp: 2987
Ion Ratio Lower Upper
117 100
119 93.3 80.5 120.7
121 31.3 24.2 36.2

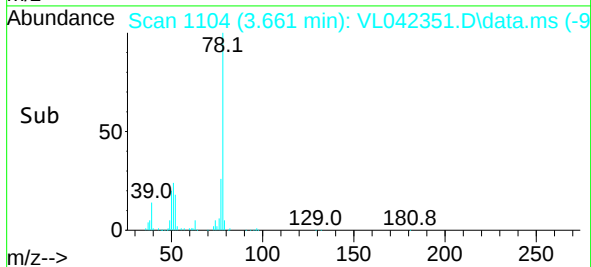
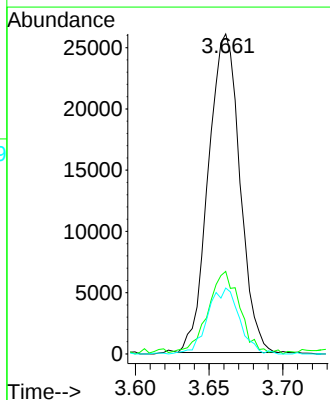
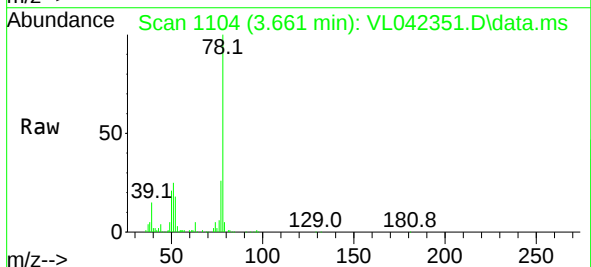
Manual Integrations
APPROVED

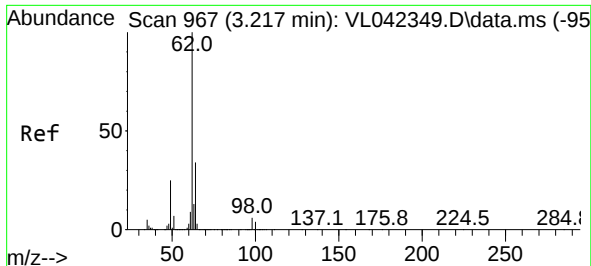
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#36
Benzene
Concen: 0.997 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 78 Resp: 38707
Ion Ratio Lower Upper
78 100
77 24.7 17.4 26.0
50 20.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.999 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 23284

Ion Ratio Lower Upper

62 100

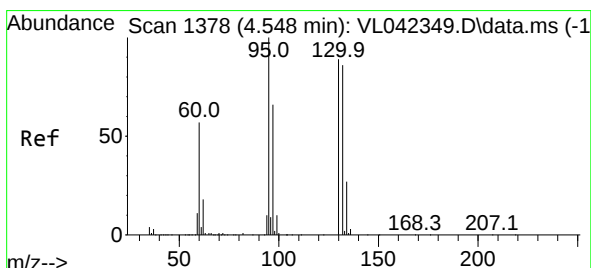
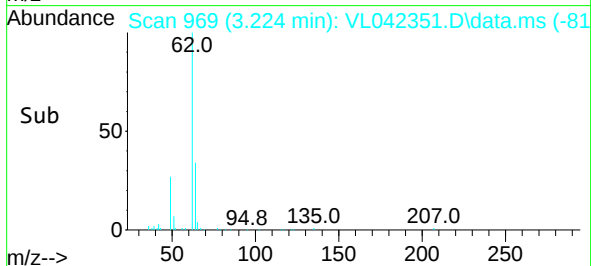
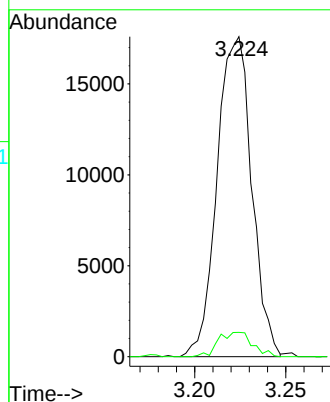
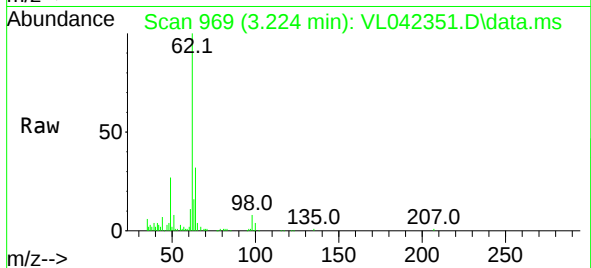
98 7.5 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#38

Trichloroethene

Concen: 0.947 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:130 Resp: 16119

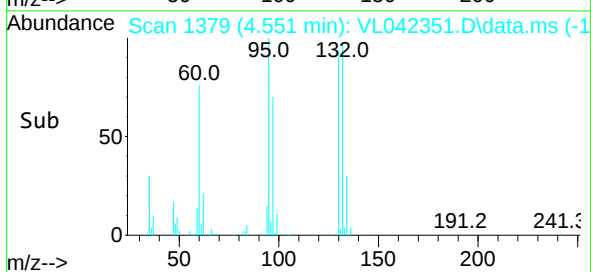
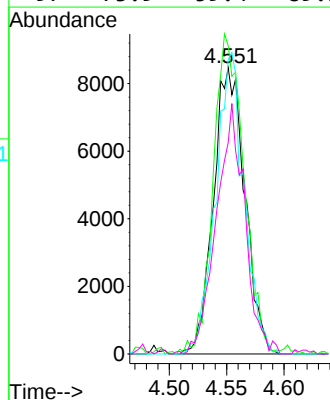
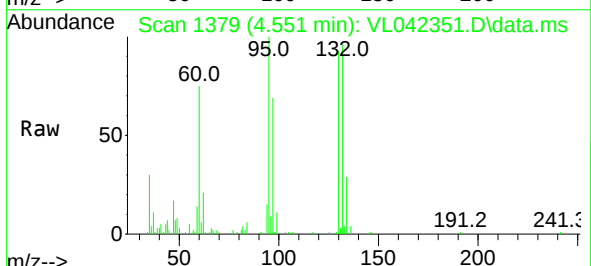
Ion Ratio Lower Upper

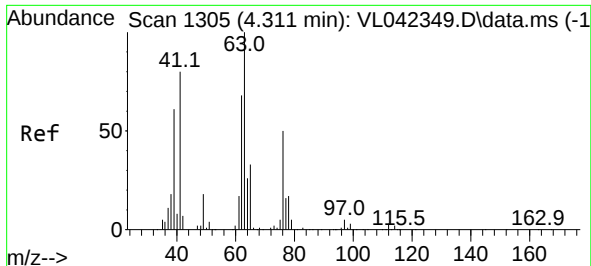
130 100

95 106.6 89.8 134.6

132 102.9 77.7 116.5

97 73.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 1.027 ppbv

RT: 4.318 min Scan# 1305

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

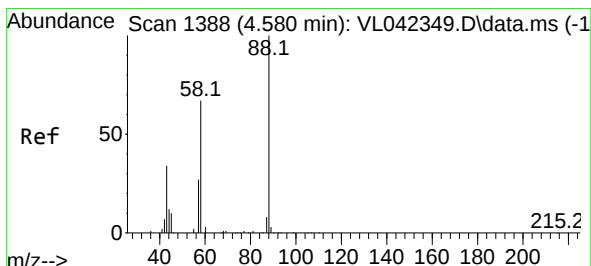
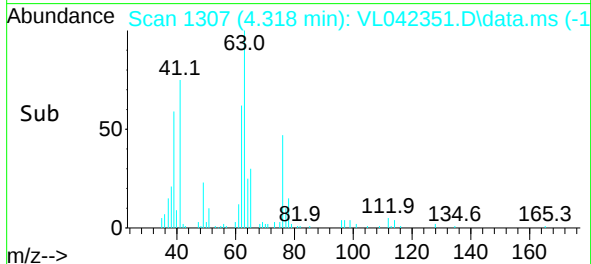
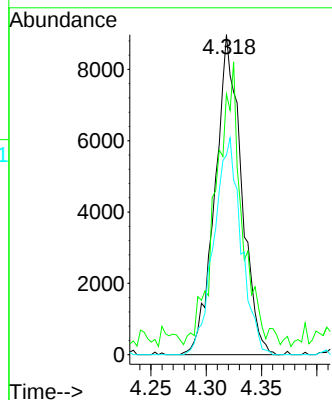
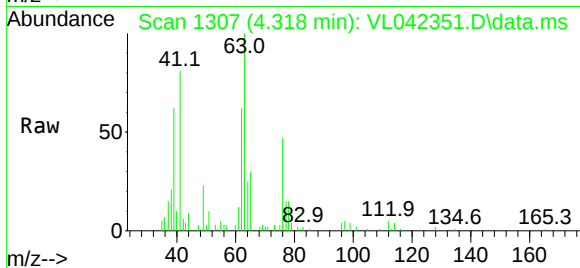
Tgt Ion: 63 Resp: 1486

Ion	Ratio	Lower	Upper
63	100		
41	78.3	64.2	96.2
62	62.3	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#40

1,4-Dioxane

Concen: 1.114 ppbv m

RT: 4.597 min Scan# 1393

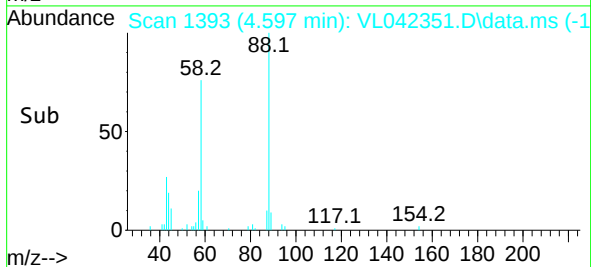
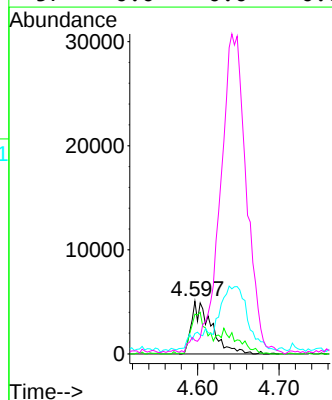
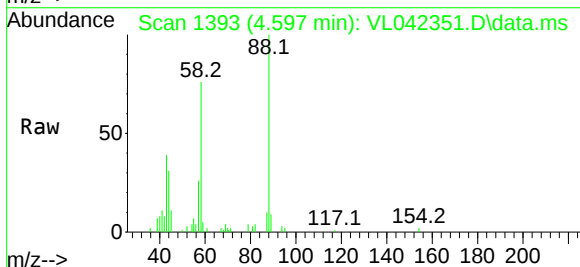
Delta R.T. 0.017 min

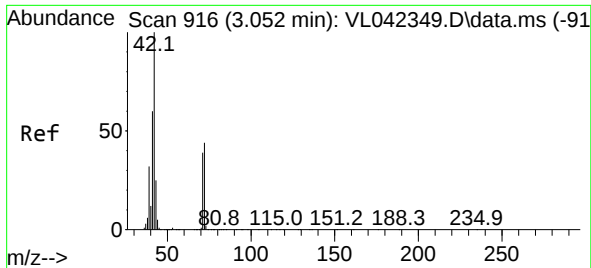
Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion: 88 Resp: 8737

Ion	Ratio	Lower	Upper
88	100		
58	110.6	61.4	92.0#
43	0.0	23.2	34.8#
57	0.0	0.0	0.0





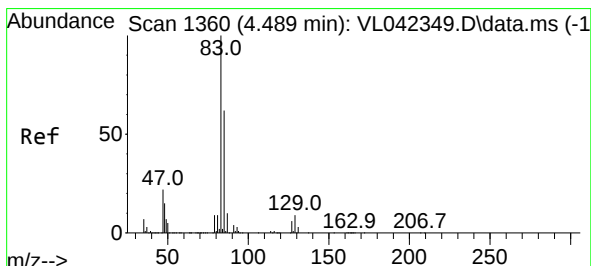
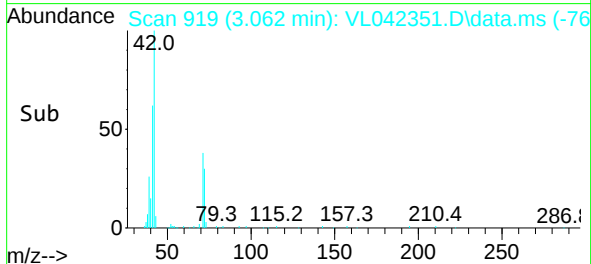
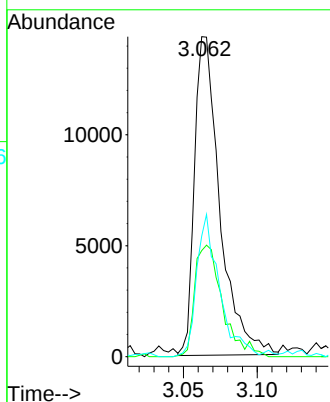
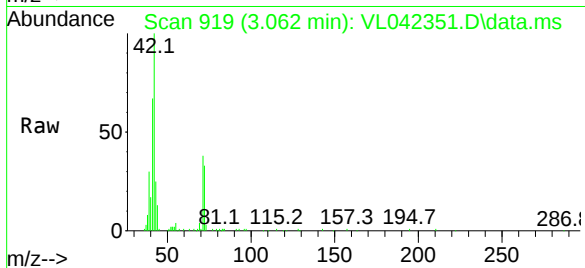
#41
Tetrahydrofuran
Concen: 1.049 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 17259
Ion Ratio Lower Upper
42 100
72 38.1 32.3 48.5
71 42.3 31.4 47.2

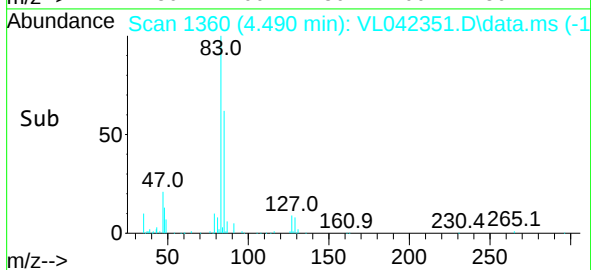
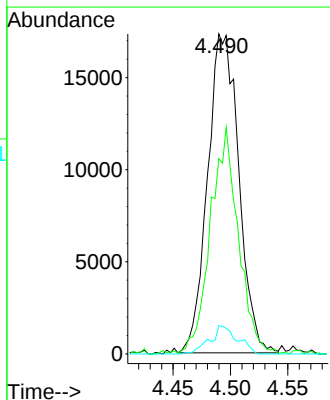
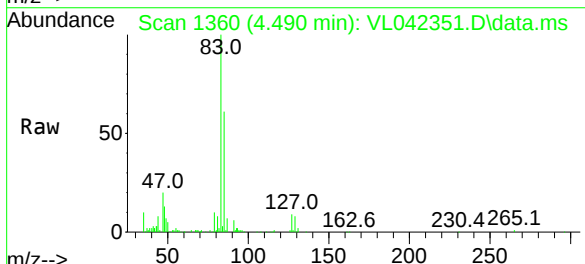
Manual Integrations
APPROVED

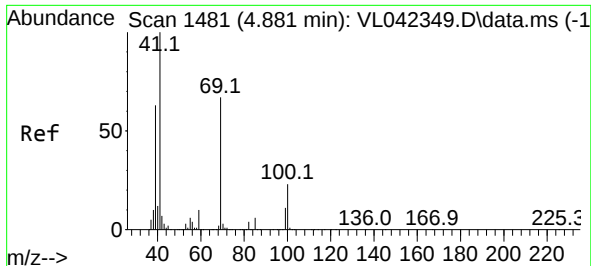
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#42
Bromodichloromethane
Concen: 1.009 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

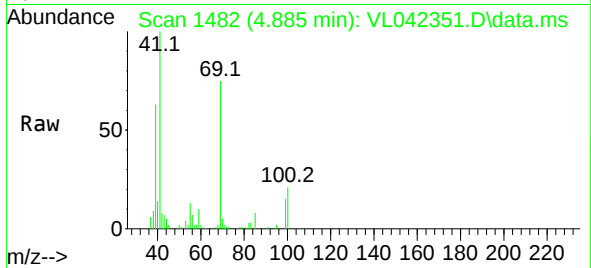
Tgt Ion: 83 Resp: 32721
Ion Ratio Lower Upper
83 100
85 61.2 49.7 74.5
127 8.9 5.1 7.7#





#43
Methyl Methacrylate
Concen: 1.073 ppbv m
RT: 4.885 min Scan# 1481
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

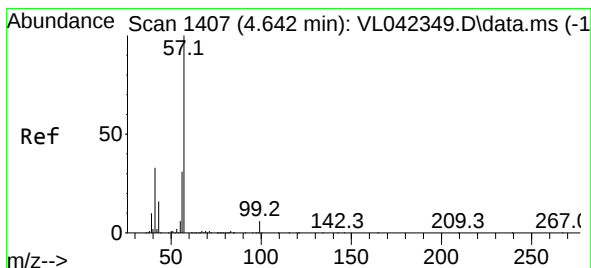
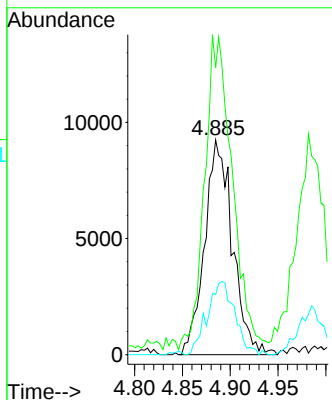
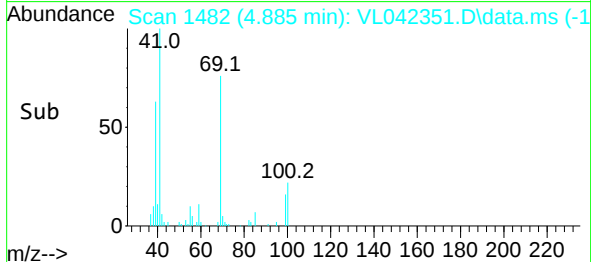
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



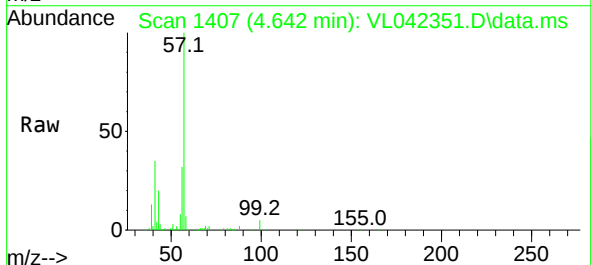
Tgt Ion: 69 Resp: 18699
Ion Ratio Lower Upper
69 100
41 149.3 118.6 177.8
100 0.0 28.2 42.2

Manual Integrations
APPROVED

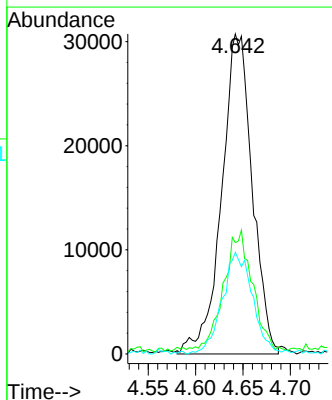
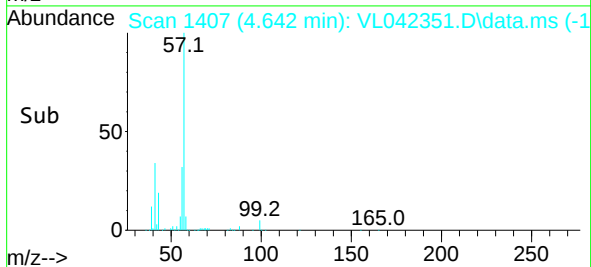
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

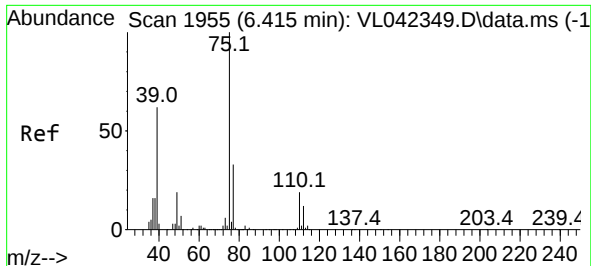


#44
2,2,4-Trimethylpentane
Concen: 1.027 ppbv m
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 57 Resp: 68946
Ion Ratio Lower Upper
57 100
41 37.9 27.2 40.8
56 0.0 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 1.026 ppbv m

RT: 6.416 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VL042351.D

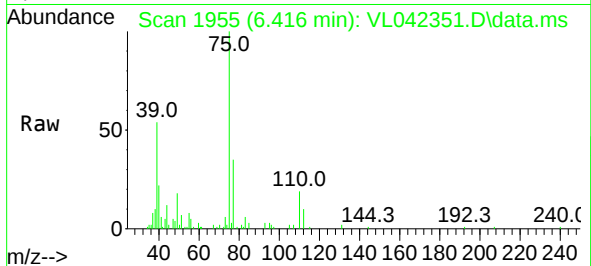
Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion: 75 Resp: 1834

Ion Ratio Lower Upper

75 100

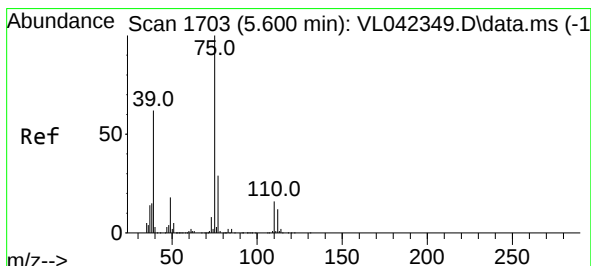
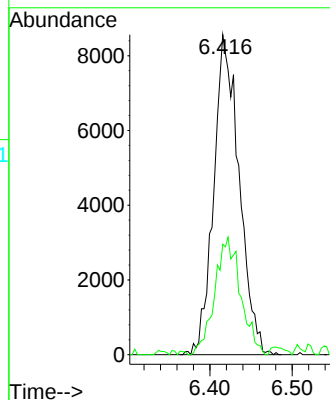
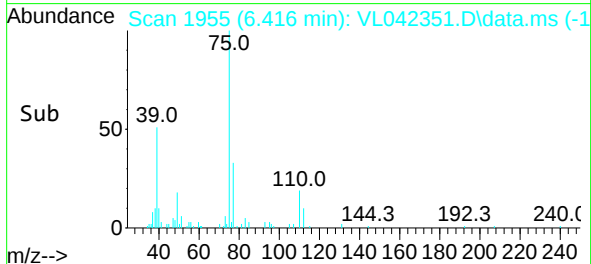
77 34.5 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#46

cis-1,3-Dichloropropene

Concen: 1.015 ppbv m

RT: 5.603 min Scan# 1704

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

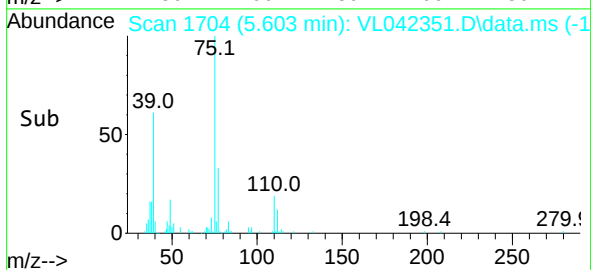
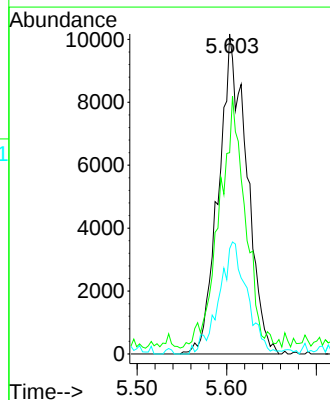
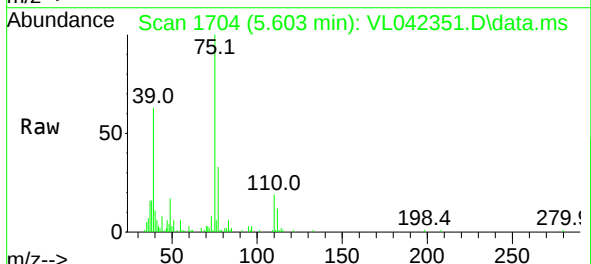
Tgt Ion: 75 Resp: 22189

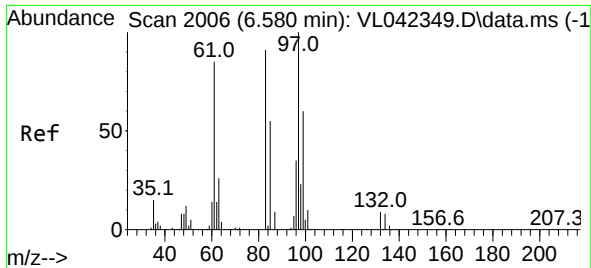
Ion Ratio Lower Upper

75 100

39 62.9 50.0 75.0

77 32.9 23.0 34.6





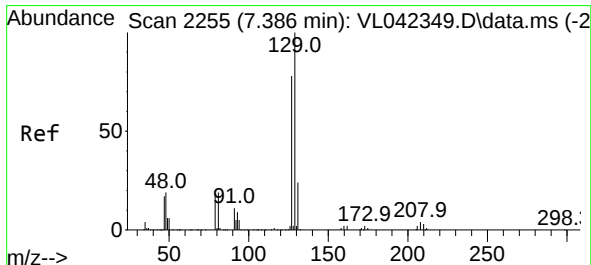
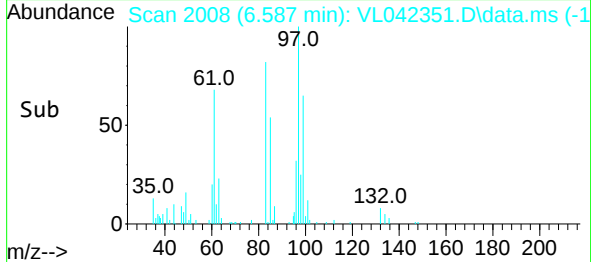
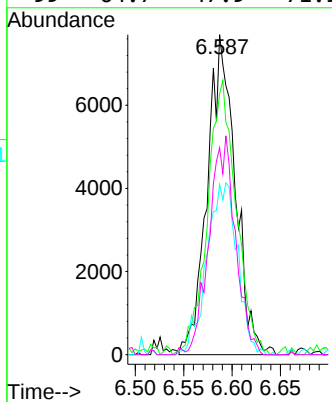
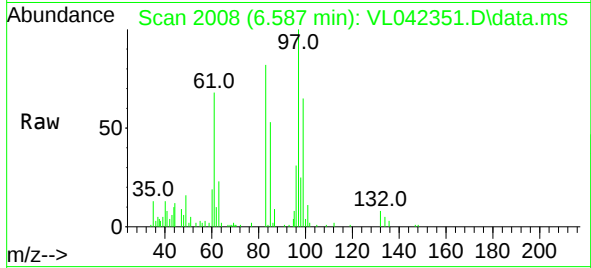
#47
1,1,2-Trichloroethane
Concen: 1.048 ppbv m
RT: 6.587 min Scan# 2006
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.5	72.8	109.2
85	53.2	44.2	66.4
99	64.7	47.9	71.9

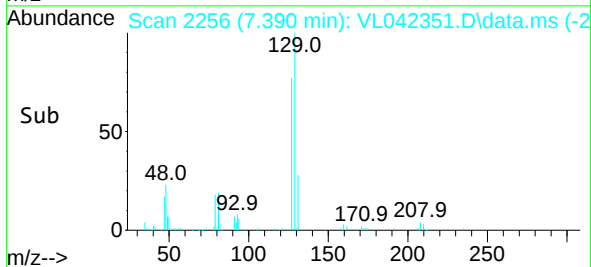
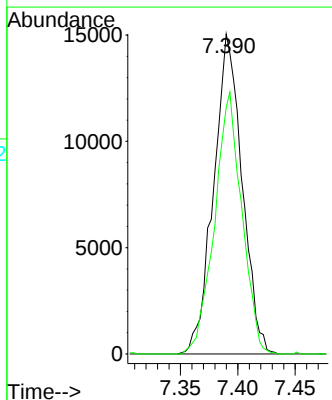
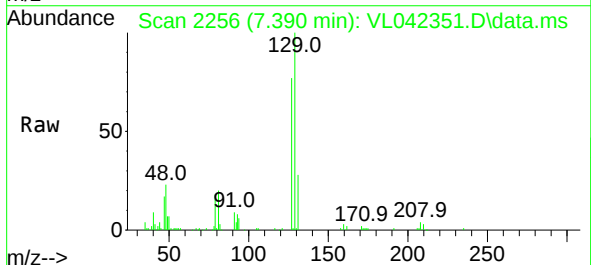
Manual Integrations
APPROVED

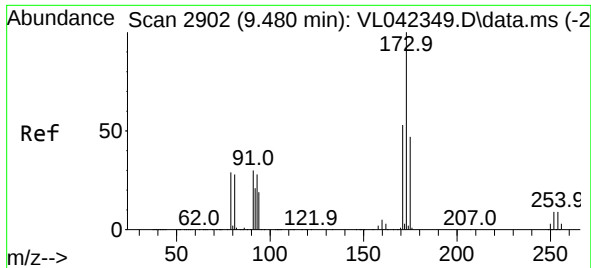
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#48
Dibromochloromethane
Concen: 0.997 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

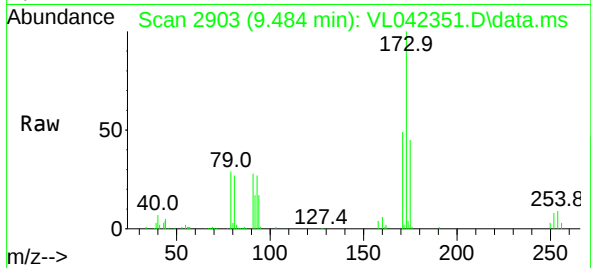
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.3





#49
Bromoform
Concen: 0.984 ppbv
RT: 9.484 min Scan# 2902
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

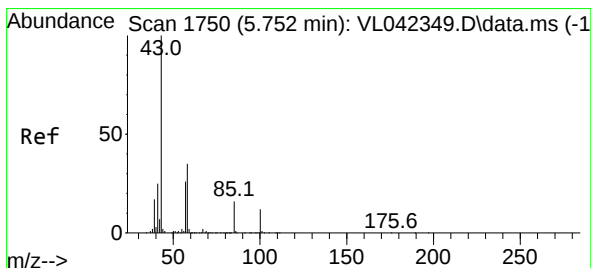
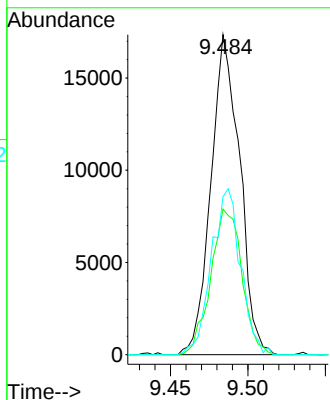
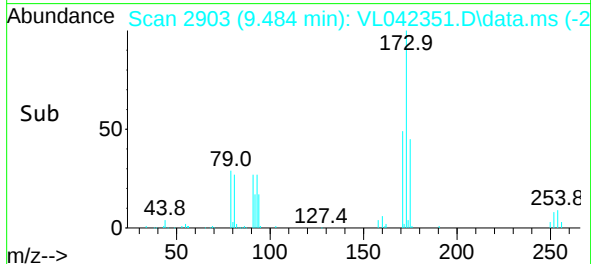
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



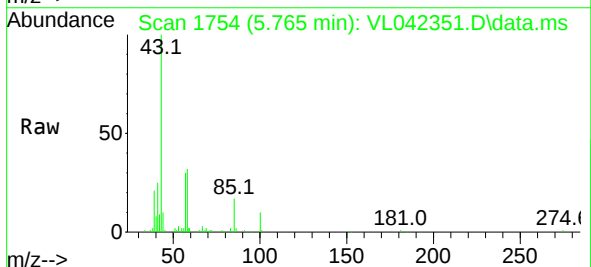
Tgt Ion: 173 Resp: 2241
Ion Ratio Lower Upper
173 100
175 49.3 38.2 57.2
171 52.7 40.9 61.3

Manual Integrations
APPROVED

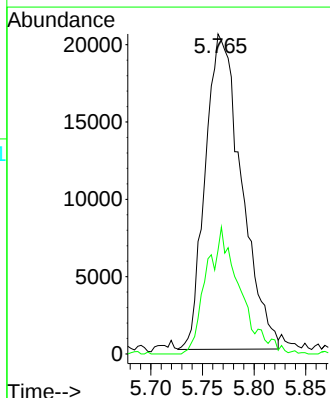
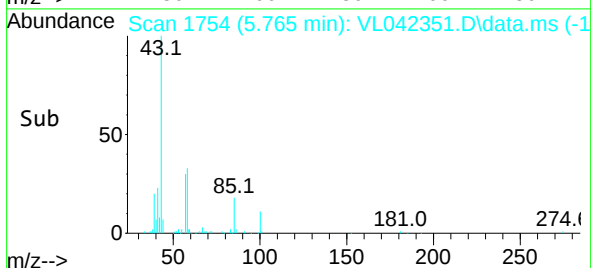
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

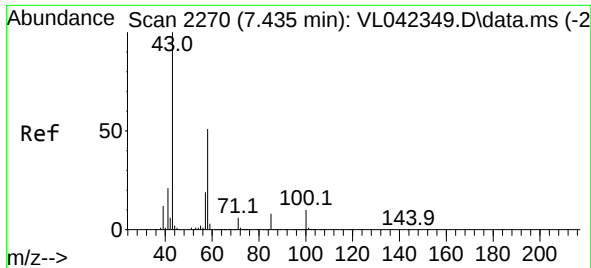


#50
4-Methyl-2-Pentanone
Concen: 1.049 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.013 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 43 Resp: 49725
Ion Ratio Lower Upper
43 100
58 37.7 28.6 43.0





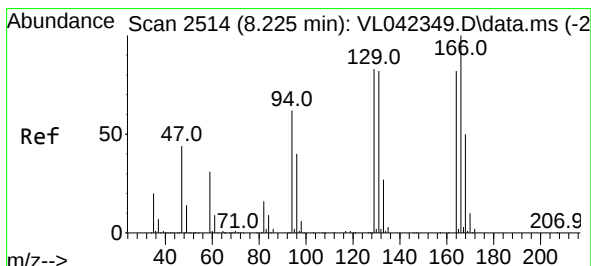
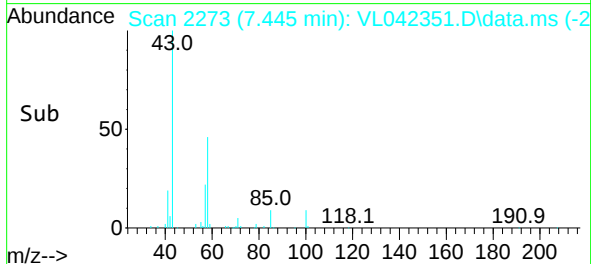
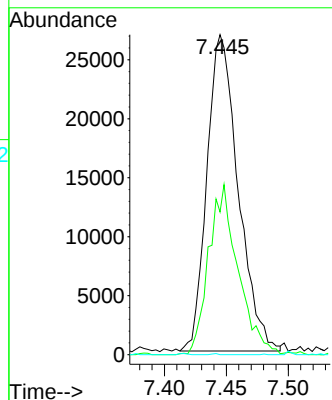
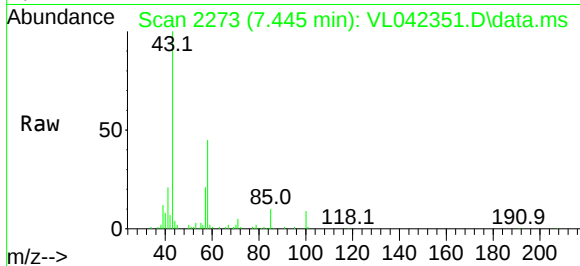
#51
2-Hexanone
Concen: 1.103 ppbv
RT: 7.445 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 47178
Ion Ratio Lower Upper
43 100
58 50.8 40.2 60.4
98 0.1 0.1 0.1

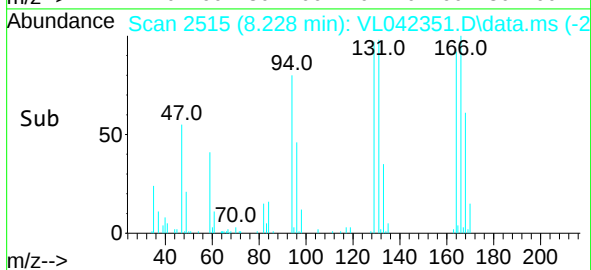
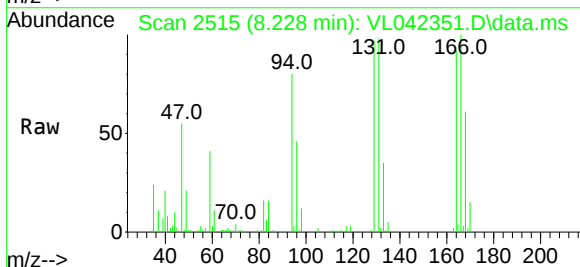
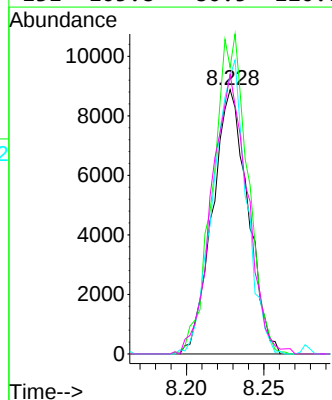
Manual Integrations
APPROVED

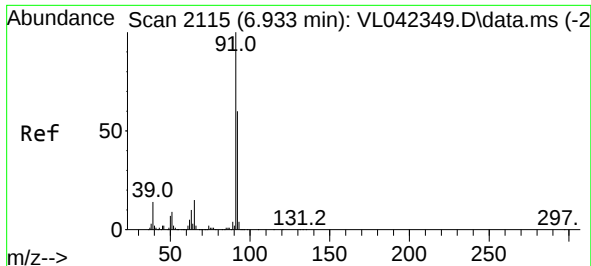
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Tetrachloroethene
Concen: 0.943 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

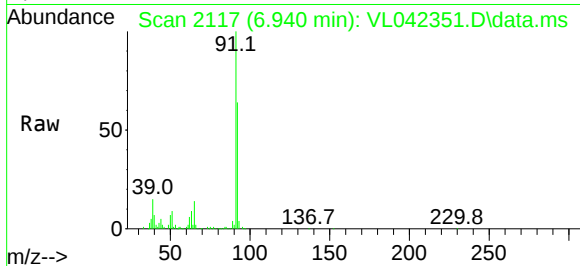
Tgt Ion:164 Resp: 14154
Ion Ratio Lower Upper
164 100
166 107.7 98.2 147.2
129 104.2 81.8 122.8
131 105.8 80.5 120.7





#53
Toluene
Concen: 1.001 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

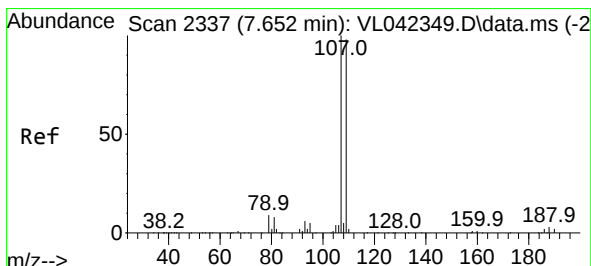
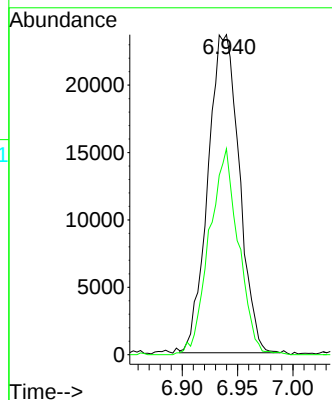
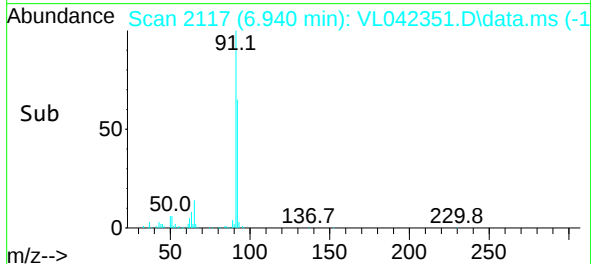
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



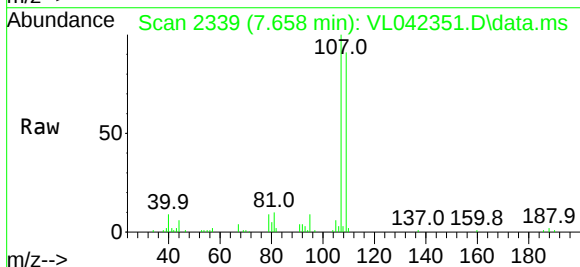
Tgt Ion: 91 Resp: 4661
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4

Manual Integrations
APPROVED

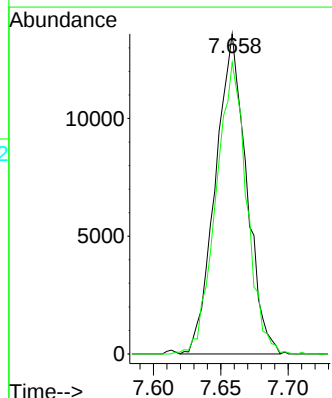
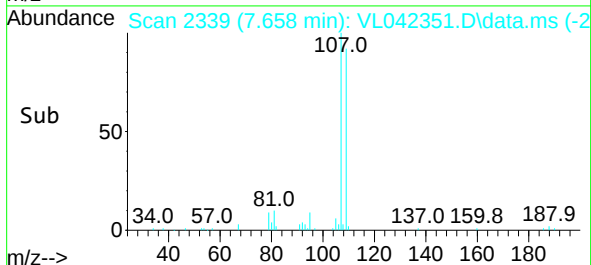
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

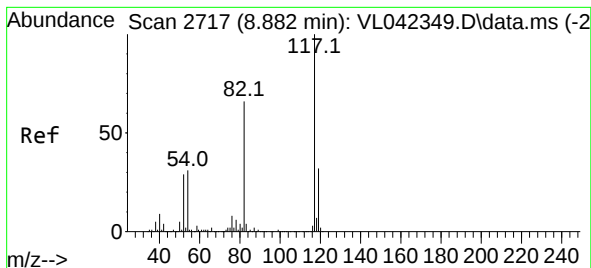


#54
1,2-Dibromoethane
Concen: 1.036 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion:107 Resp: 21780
Ion Ratio Lower Upper
107 100
109 90.7 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2717

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 329090

Ion Ratio Lower Upper

117 100

82 69.7 57.8 86.6

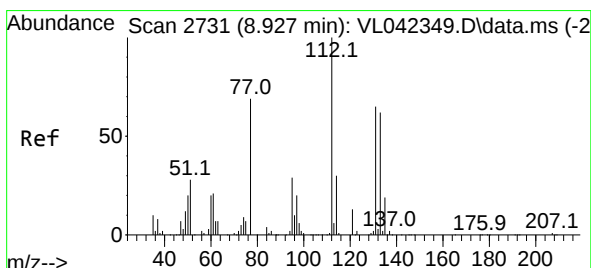
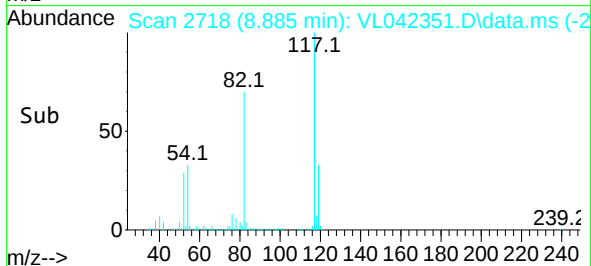
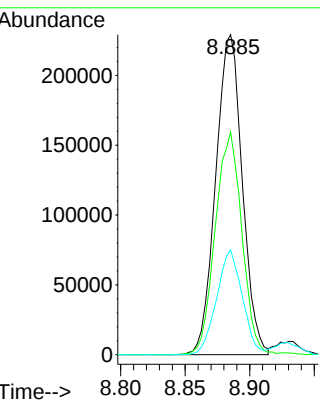
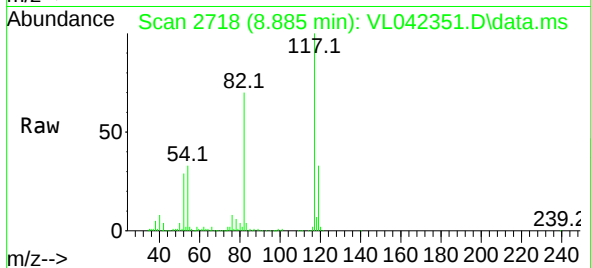
119 31.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 1.057 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

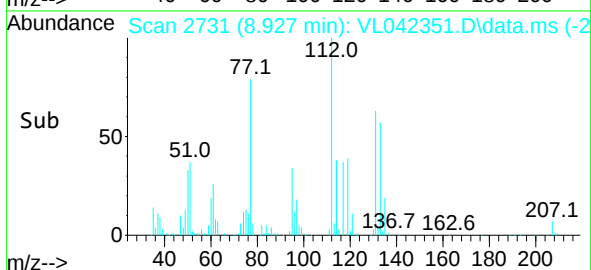
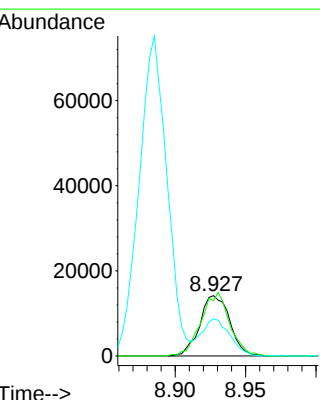
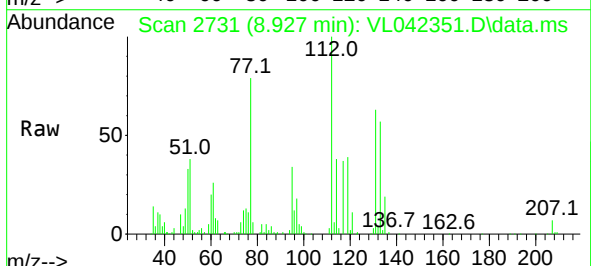
Tgt Ion:131 Resp: 21052

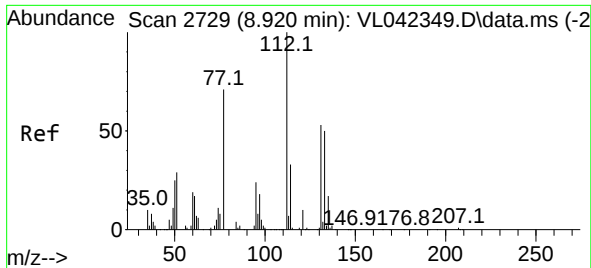
Ion Ratio Lower Upper

131 100

133 100.5 78.3 117.5

119 55.1 48.7 73.1





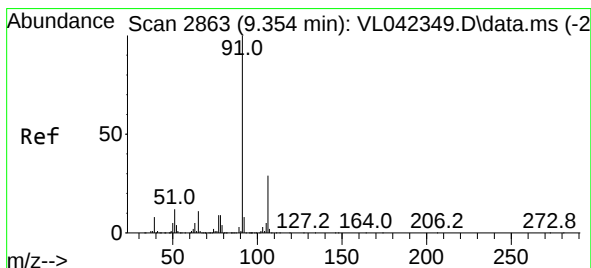
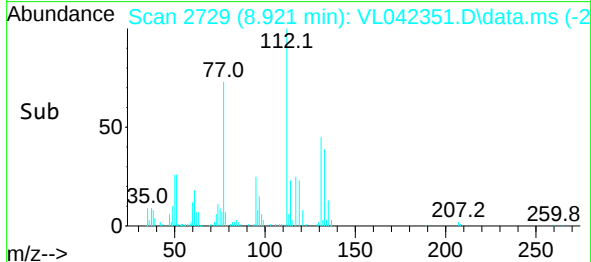
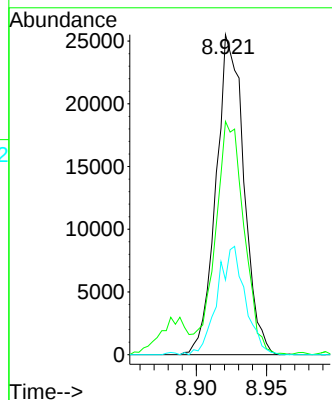
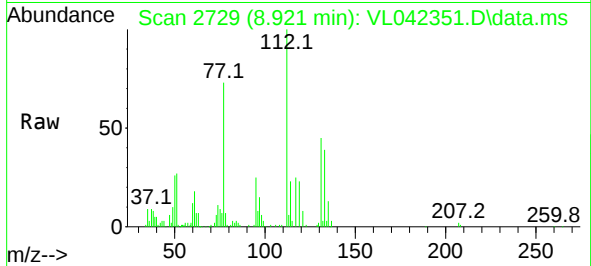
#57
Chlorobenzene
Concen: 1.026 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3511
Ion Ratio Lower Upper
112 100
77 72.4 57.8 86.6
114 23.3 29.3 35.9

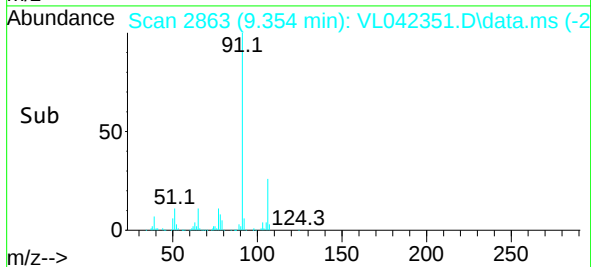
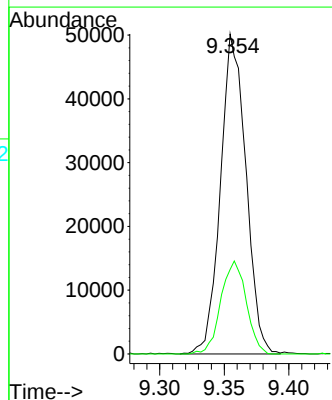
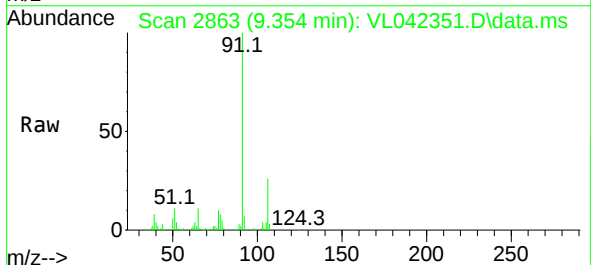
Manual Integrations
APPROVED

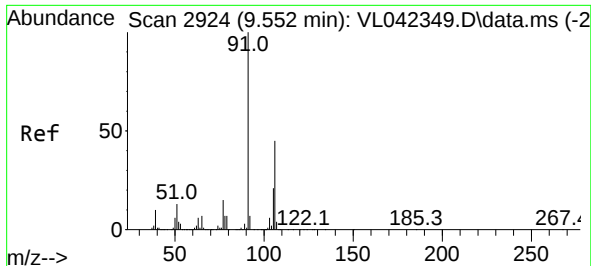
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 1.054 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 68703
Ion Ratio Lower Upper
91 100
106 26.5 23.0 34.4





#59

m/p-Xylene

Concen: 2.101 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 11070

Ion Ratio Lower Upper

91 100

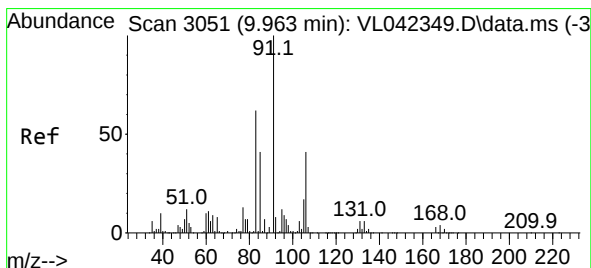
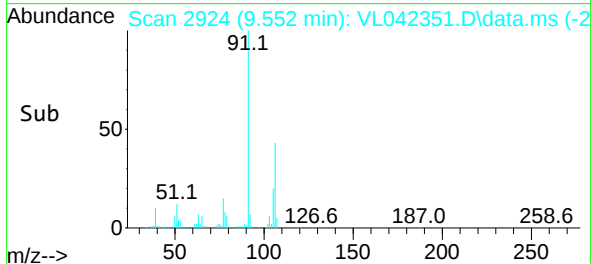
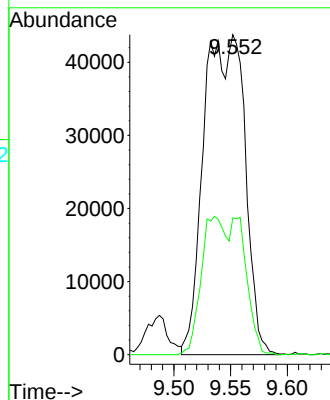
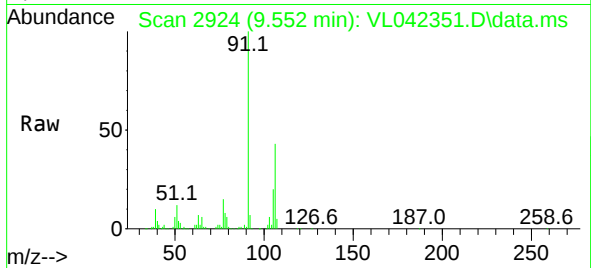
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#60

o-Xylene

Concen: 1.056 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042351.D

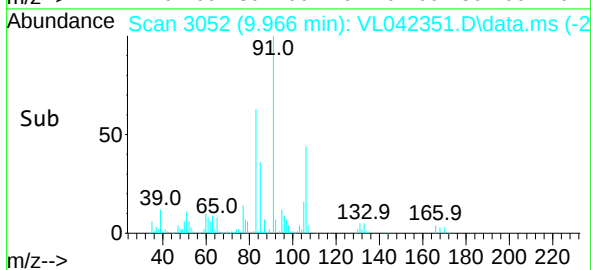
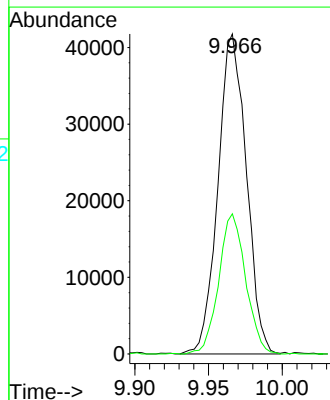
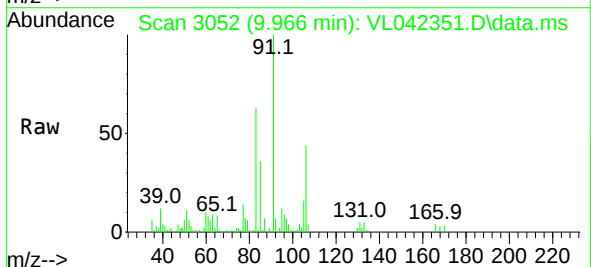
Acq: 17 Apr 2025 10:48

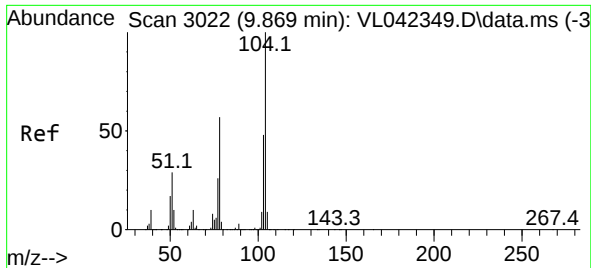
Tgt Ion: 91 Resp: 55831

Ion Ratio Lower Upper

91 100

106 41.6 21.1 63.4





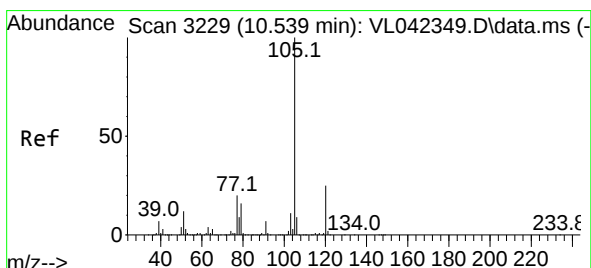
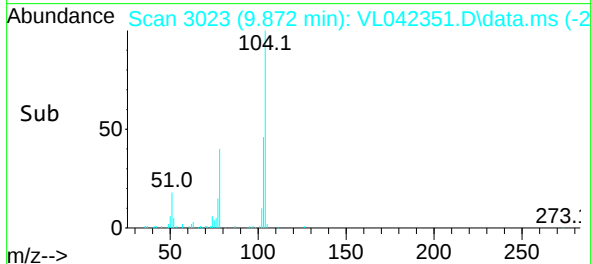
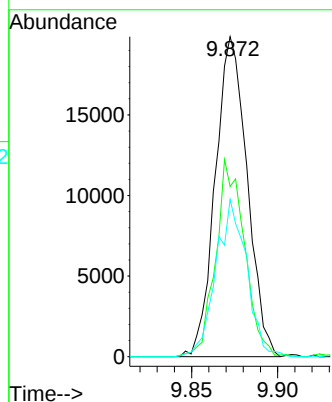
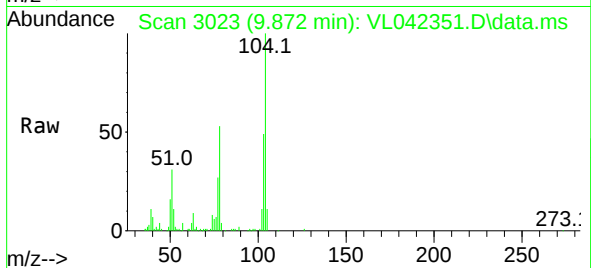
#61
Styrene
Concen: 1.012 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 25544
Ion Ratio Lower Upper
104 100
78 55.7 44.6 66.8
103 47.2 37.4 56.0

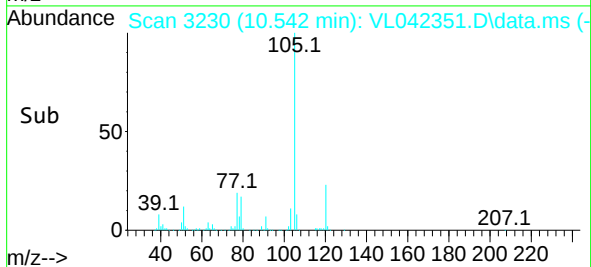
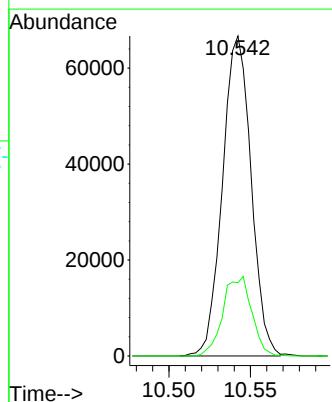
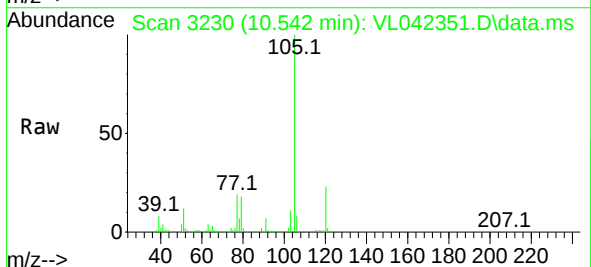
Manual Integrations
APPROVED

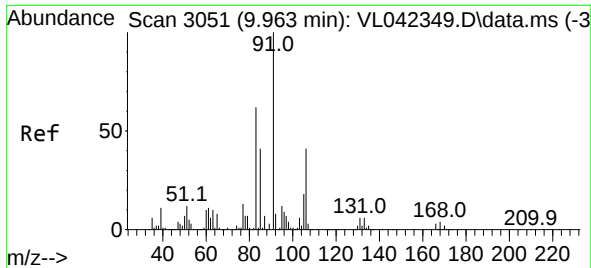
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#62
Isopropylbenzene
Concen: 1.047 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

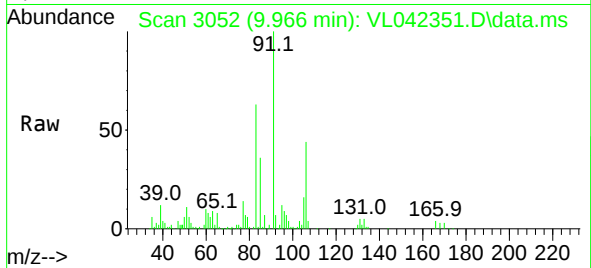
Tgt Ion:105 Resp: 81286
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.943 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

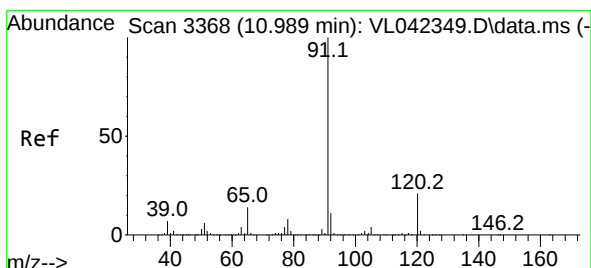
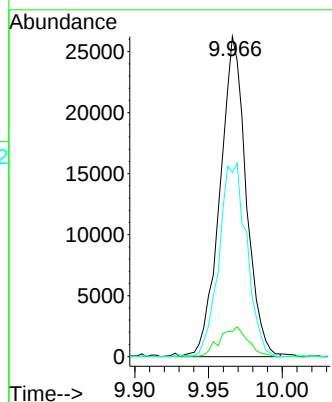
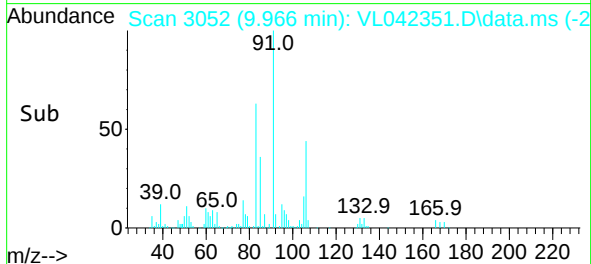
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 83 Resp: 32410
Ion Ratio Lower Upper
83 100
131 10.2 4.5 13.7
85 64.4 32.4 97.0

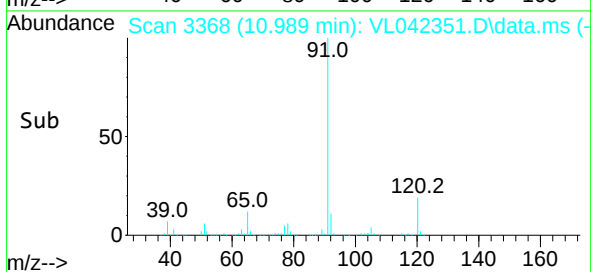
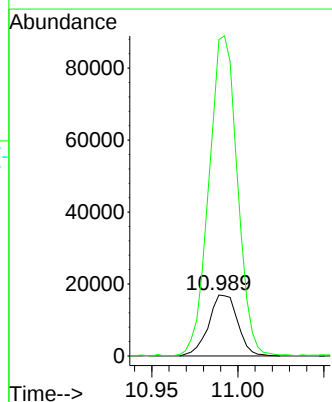
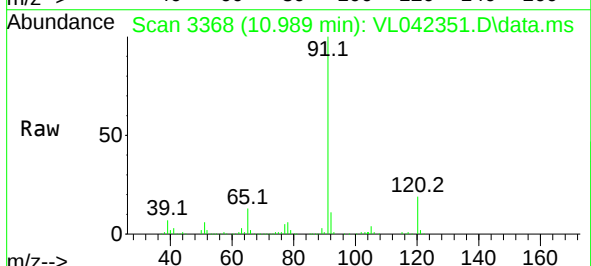
Manual Integrations
APPROVED

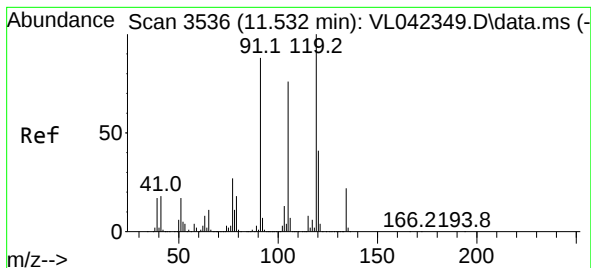
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#64
n-propylbenzene
Concen: 1.019 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

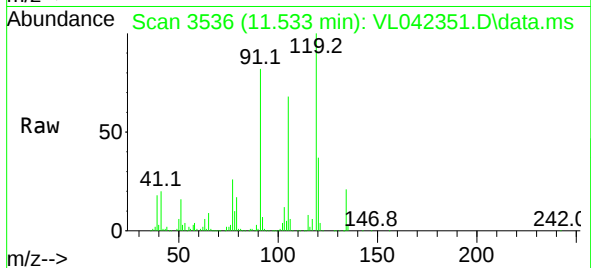
Tgt Ion:120 Resp: 19898
Ion Ratio Lower Upper
120 100
91 517.6 392.4 588.6





#65
tert-Butylbenzene
Concen: 1.087 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

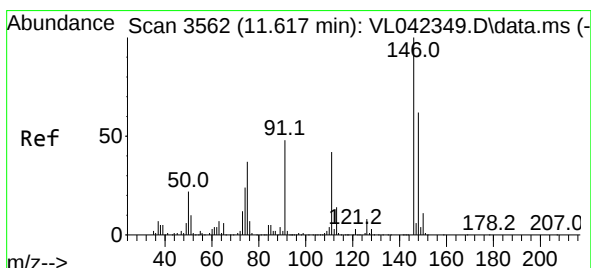
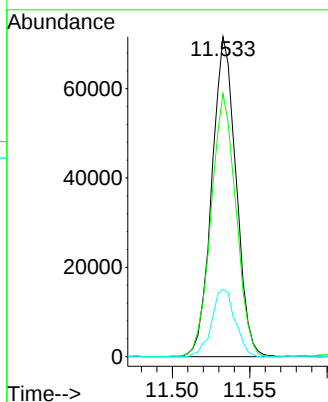
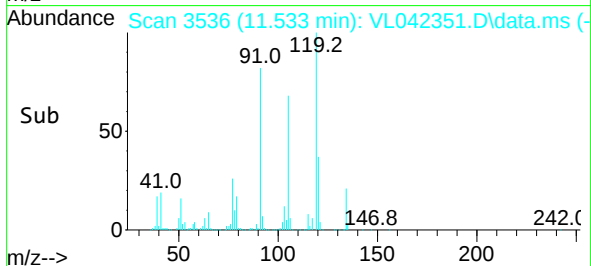
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



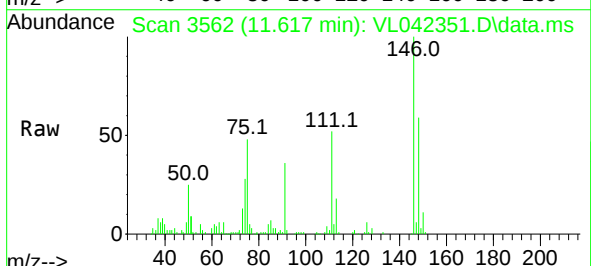
Tgt Ion: 119 Resp: 77598
Ion Ratio Lower Upper
119 100
91 85.0 74.6 111.8
134 20.5 18.8 28.2

Manual Integrations
APPROVED

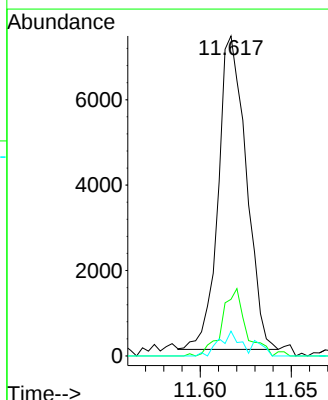
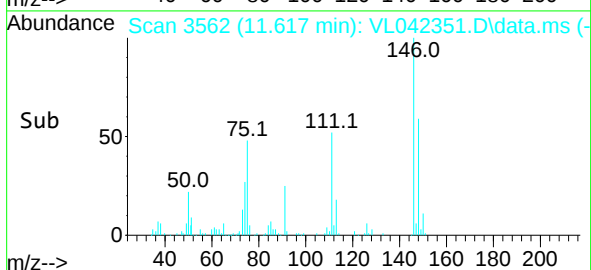
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

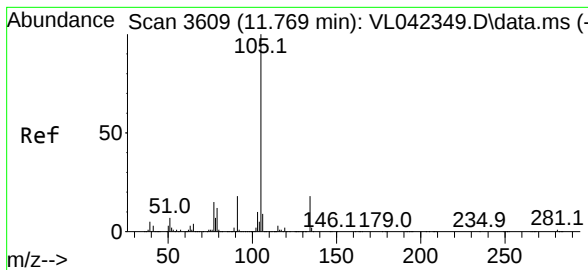


#66
Benzyl Chloride
Concen: 1.003 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



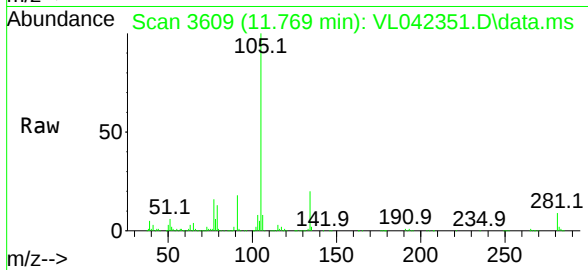
Tgt Ion: 91 Resp: 7864
Ion Ratio Lower Upper
91 100
126 18.6 11.8 17.6#
128 7.7 4.5 6.7#





#67
 sec-Butylbenzene
 Concen: 1.067 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

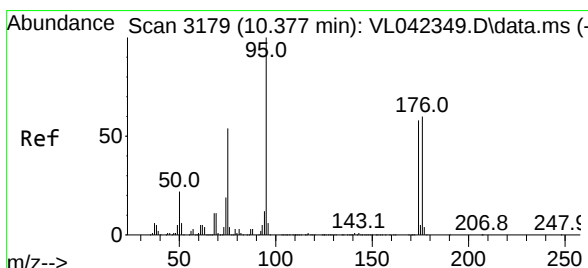
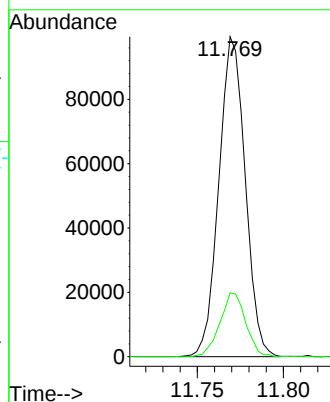
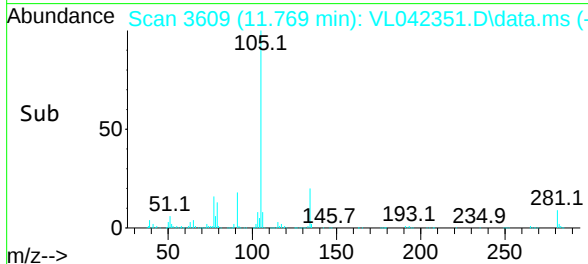
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:105 Resp: 105919
 Ion Ratio Lower Upper
 105 100
 134 19.6 14.6 21.8

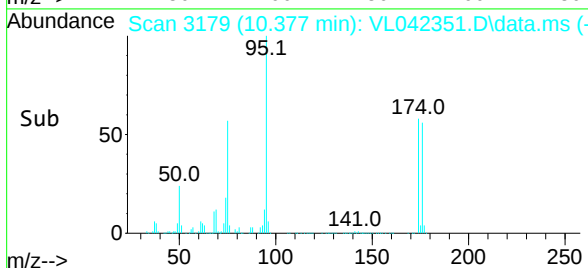
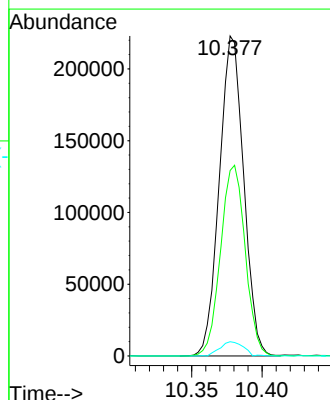
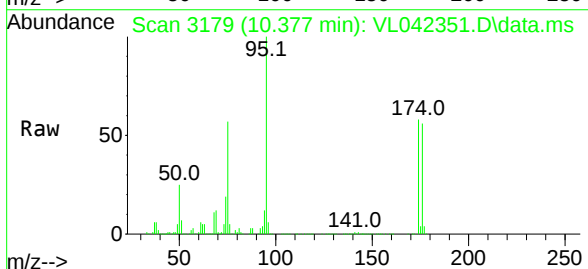
Manual Integrations APPROVED

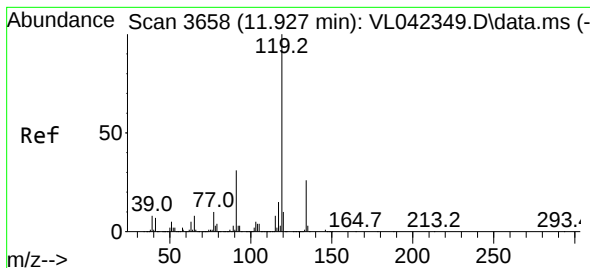
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.950 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042351.D
 Acq: 17 Apr 2025 10:48

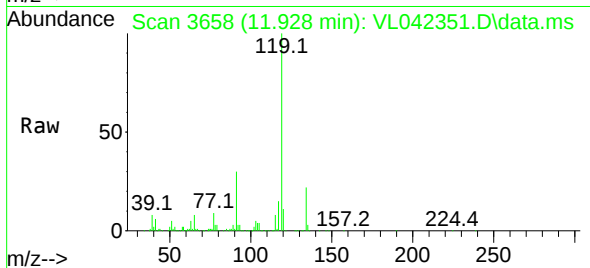
Tgt Ion: 95 Resp: 269087
 Ion Ratio Lower Upper
 95 100
 174 60.4 48.5 72.7
 175 4.3 3.7 5.5





#69
p-Isopropyltoluene
Concen: 1.075 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

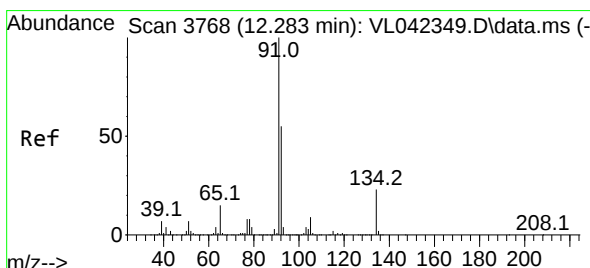
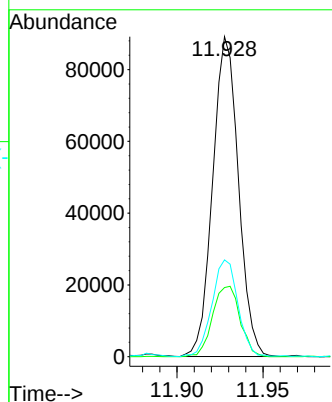
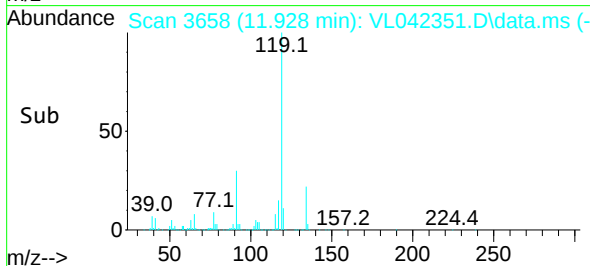
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



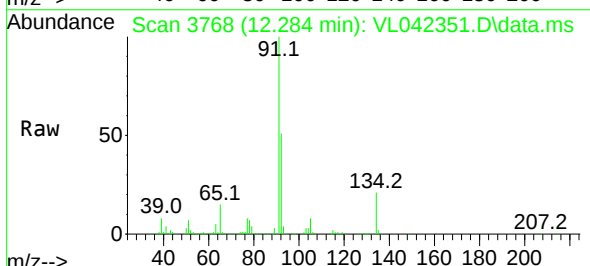
Tgt Ion: 119 Resp: 92733
Ion Ratio Lower Upper
119 100
134 23.5 20.0 30.0
91 32.1 24.4 36.6

Manual Integrations
APPROVED

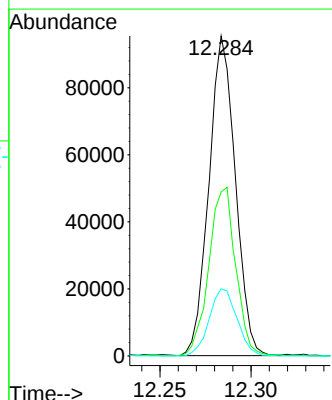
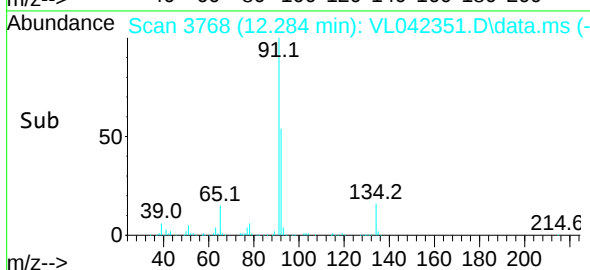
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

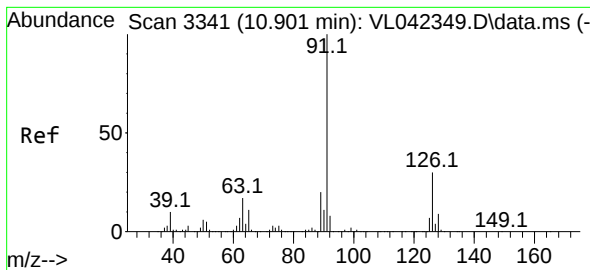


#70
n-Butylbenzene
Concen: 1.072 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion: 91 Resp: 96306
Ion Ratio Lower Upper
91 100
92 54.2 44.2 66.4
134 22.1 18.2 27.4





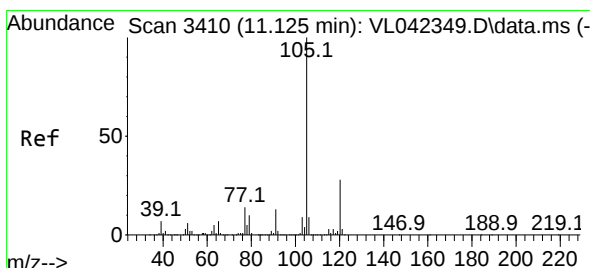
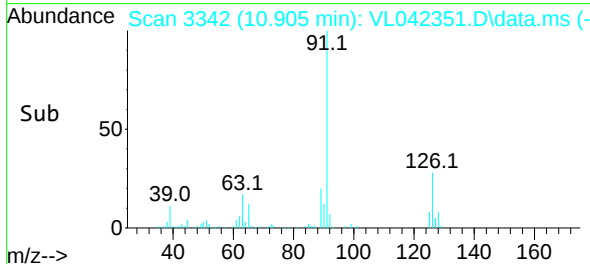
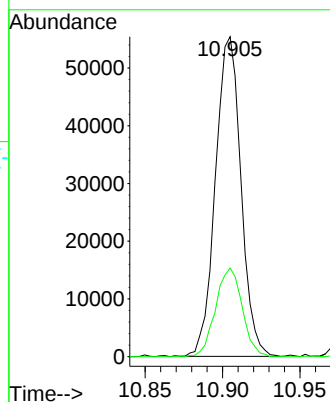
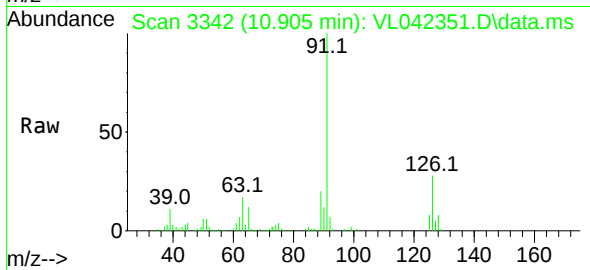
#71
2-Chlorotoluene
Concen: 1.040 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6332
Ion Ratio Lower Upper
91 100
126 28.9 11.4 45.4

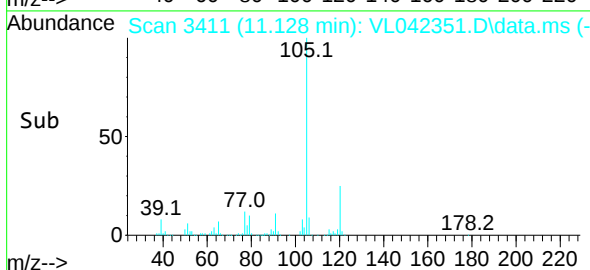
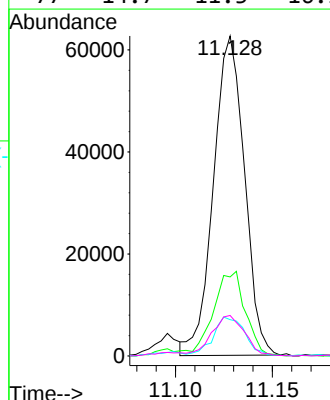
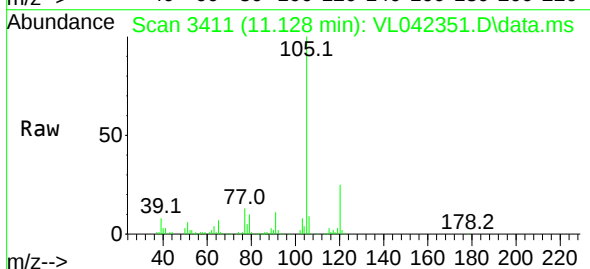
Manual Integrations
APPROVED

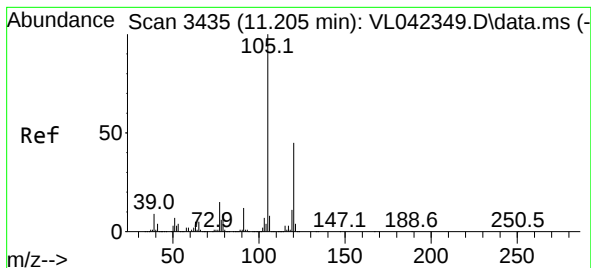
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 1.078 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 69698
Ion Ratio Lower Upper
105 100
120 29.2 23.2 34.8
91 13.5 10.4 15.6
77 14.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 1.067 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 6092

Ion Ratio Lower Upper

105 100

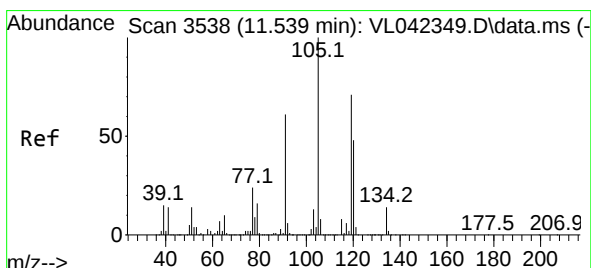
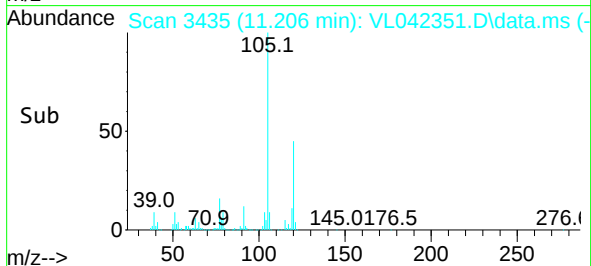
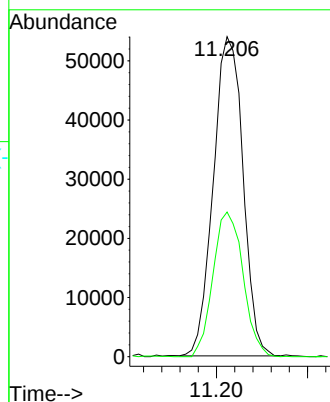
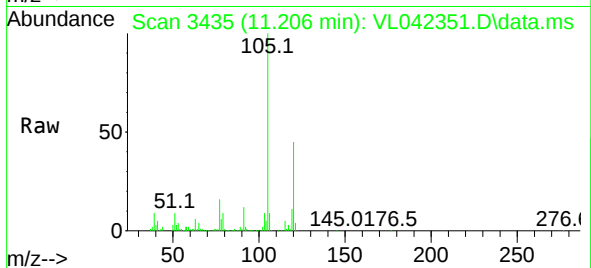
120 45.3 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.108 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 73888

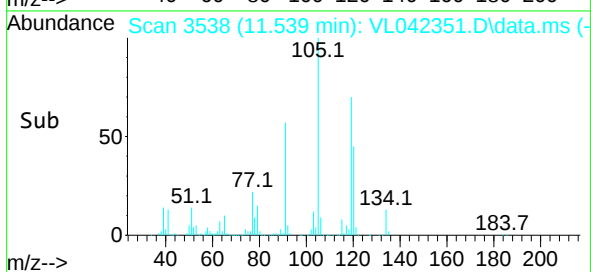
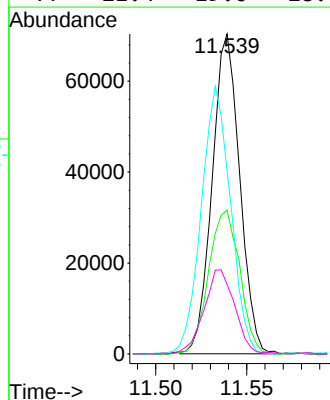
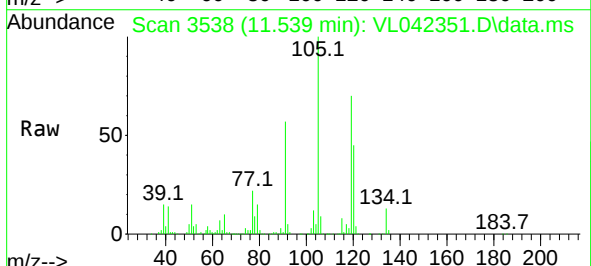
Ion Ratio Lower Upper

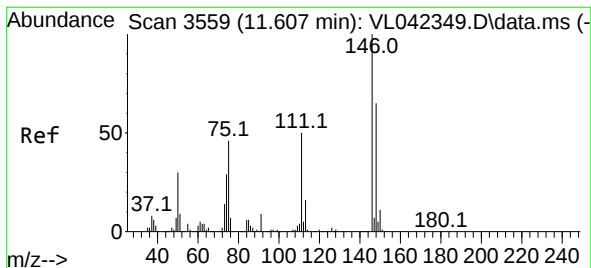
105 100

120 45.0 38.1 57.1

91 57.0 48.8 73.2

77 21.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 1.064 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

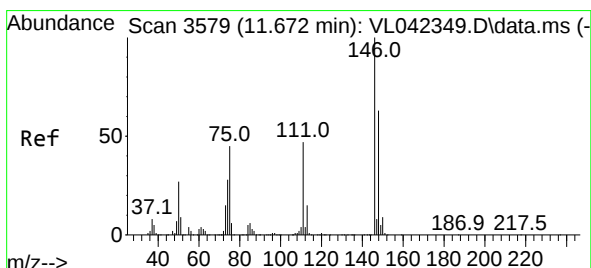
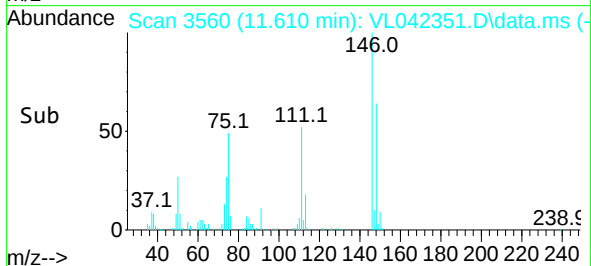
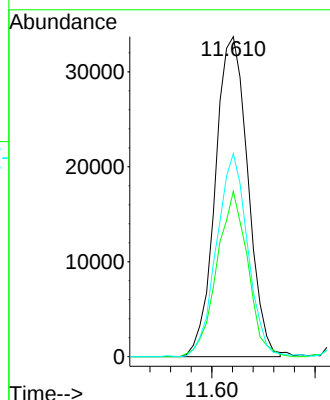
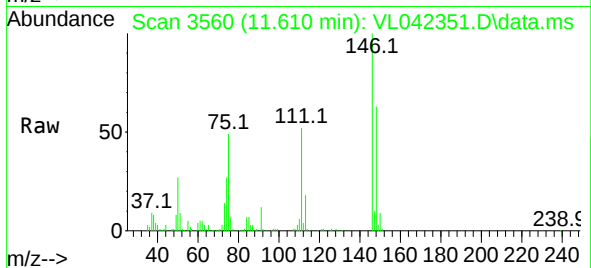
VSTDICC001

Tgt Ion:146	Resp:	3687
Ion Ratio	Lower	Upper
146	100	
111	48.9	24.3 72.8
148	60.8	31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#76

1,4-Dichlorobenzene

Concen: 1.053 ppbv

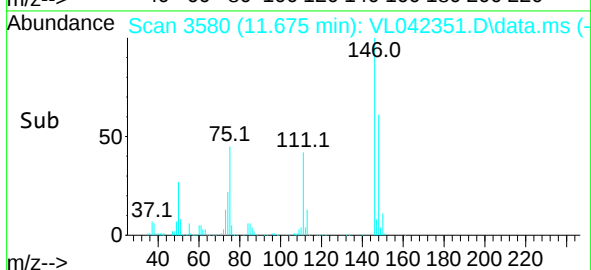
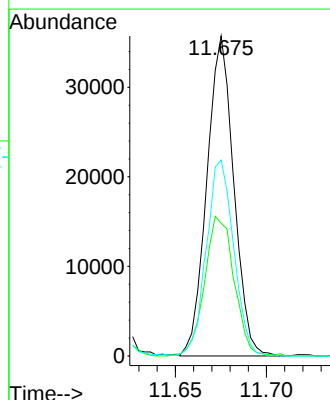
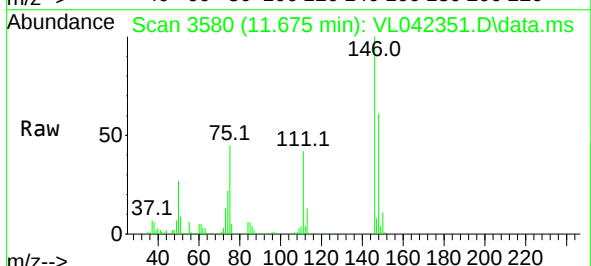
RT: 11.675 min Scan# 3580

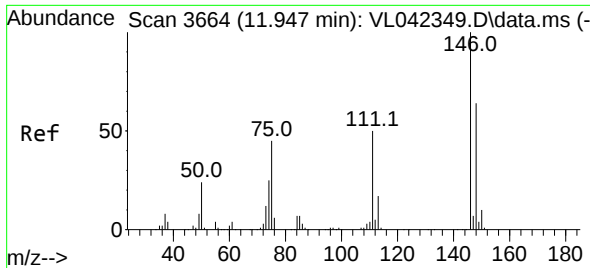
Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

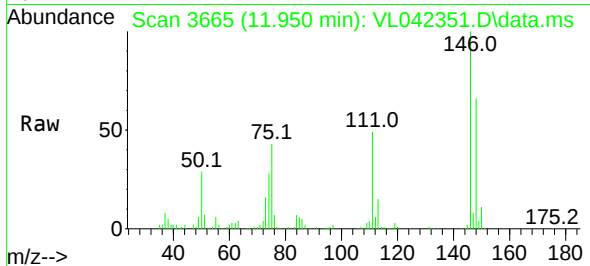
Tgt Ion:146	Resp:	36692
Ion Ratio	Lower	Upper
146	100	
111	47.7	24.2 72.6
148	62.3	32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

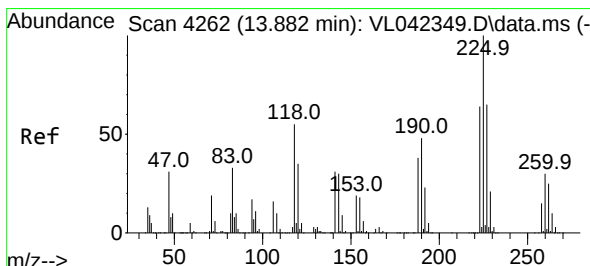
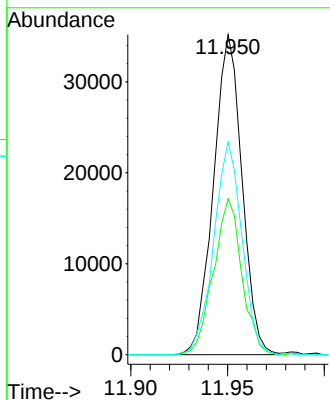
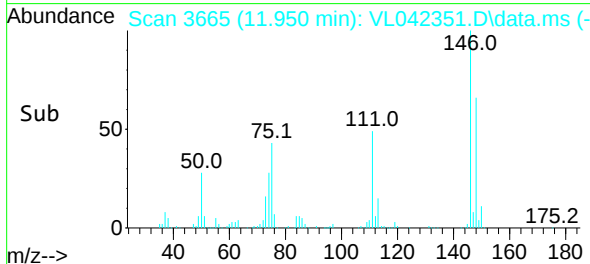
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



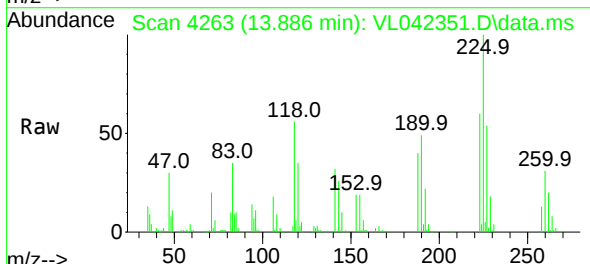
Tgt Ion:146 Resp: 3597
Ion Ratio Lower Upper
146 100
111 48.7 25.3 75.9
148 65.9 31.5 94.5

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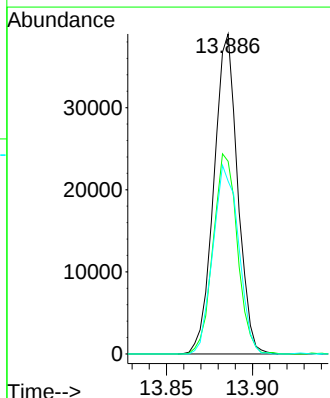
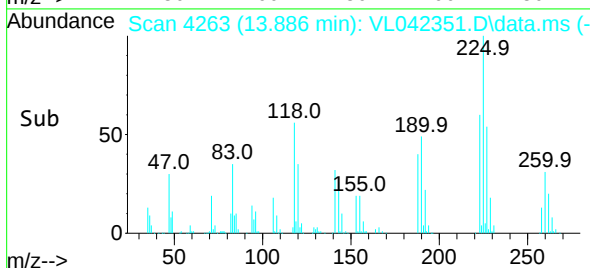
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

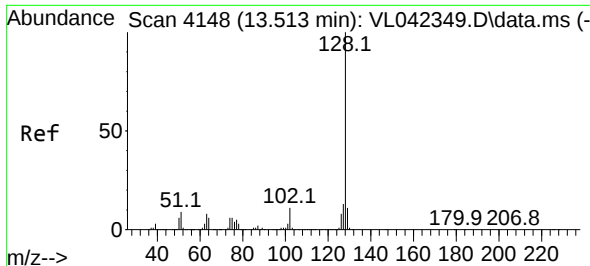


#78
Hexachloro-1,3-Butadiene
Concen: 1.098 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48



Tgt Ion:225 Resp: 37377
Ion Ratio Lower Upper
225 100
223 64.1 50.3 75.5
227 63.6 51.5 77.3





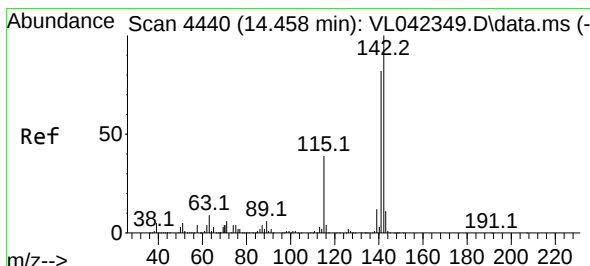
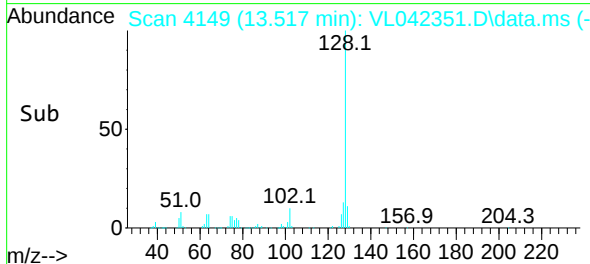
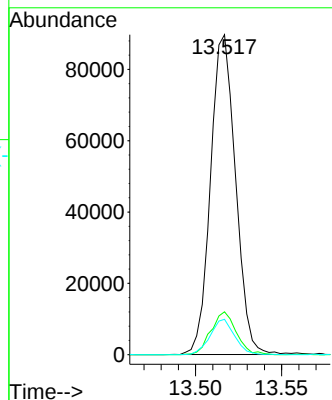
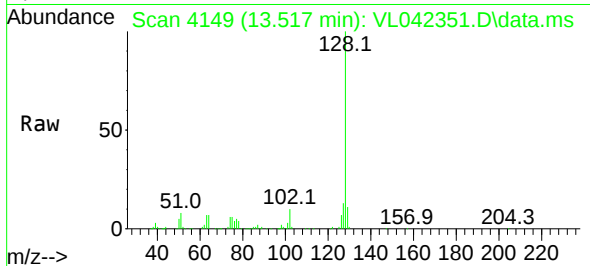
#79
Naphthalene
Concen: 1.138 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 90710
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.1 8.6 12.8

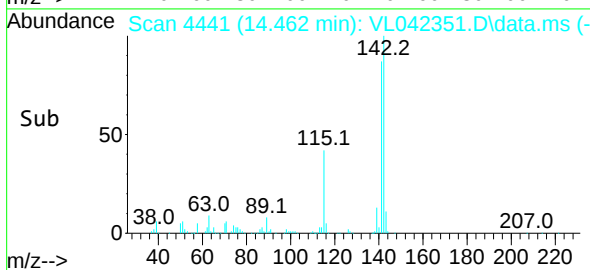
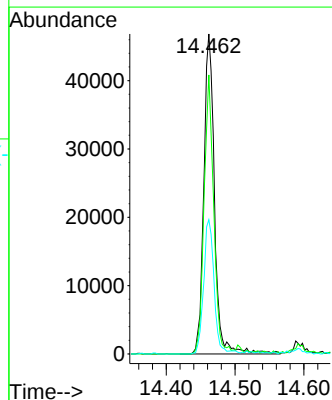
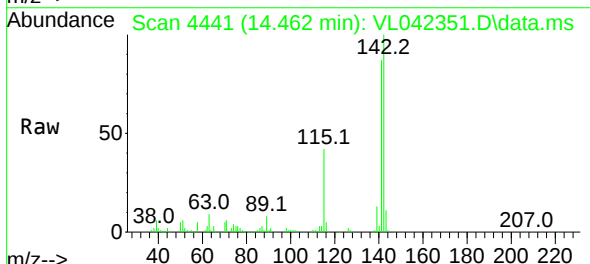
Manual Integrations
APPROVED

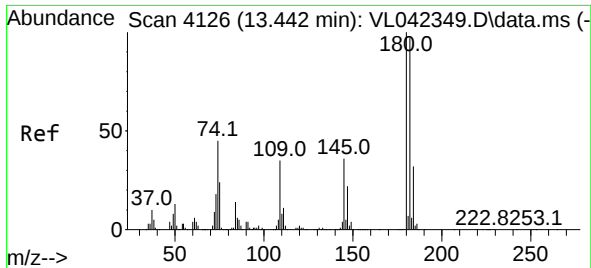
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#80
Naphthalene,2-methyl-
Concen: 1.111 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.004 min
Lab File: VL042351.D
Acq: 17 Apr 2025 10:48

Tgt Ion:142 Resp: 50487
Ion Ratio Lower Upper
142 100
141 80.9 66.8 100.2
115 41.2 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 1.074 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 36764

Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

184 32.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025

