

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042220.D
 Acq On : 04 Apr 2025 11:55
 Operator : SY/MD
 Sample : VL0404ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025

Quant Time: Apr 05 02:01:14 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.790	49	185704	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	509064	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	456962	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 384044 10.234 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	269944	9.845	ppbv	99
3) Chlorodifluoromethane	1.476	51	261247	9.327	ppbv	97
4) Chloromethane	1.535	50	100977	9.011	ppbv	97
5) Vinyl Chloride	1.580	62	97885	8.243	ppbv	97
6) Bromomethane	1.667	94	43311	8.529	ppbv	96
7) Chloroethane	1.706	64	38925	8.654	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	226404	9.696	ppbv	94
9) Propene	1.486	41	98481	7.671	ppbv	98
10) Heptane	4.982	43	290990	8.521	ppbv	99
11) Trichlorofluoromethane	1.878	101	258888	9.704	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	195978	8.937	ppbv	95
13) Ethanol	1.722	45	5793	4.773	ppbv	91
14) Bromoethene	1.784	108	72245	8.600	ppbv	98
15) Acetone	1.836	43	218906	8.429	ppbv	95
16) 1,3-Butadiene	1.609	39	109321	8.619	ppbv	96
17) tert-Butyl alcohol	2.043	59	268750	8.308	ppbv	99
18) 1,1-Dichloroethene	2.036	96	90266	8.805	ppbv	96
19) Isopropyl Alcohol	1.887	45	124365	8.487	ppbv	99
20) Methylene Chloride	2.062	84	75950	7.852	ppbv	96
21) Allyl Chloride	2.098	41	157041	8.574	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	103089	8.700	ppbv	98
23) Vinyl Acetate	2.464	43	85276	7.586	ppbv	97
24) 1,1-Dichloroethane	2.412	63	207336	9.440	ppbv	99
25) Ethyl Acetate	2.839	43	605091	8.977	ppbv	99
26) Hexane	2.829	57	230193	8.841	ppbv	98
27) Carbon Disulfide	2.153	76	237628	8.511	ppbv #	94
28) Methyl tert-Butyl Ether	2.444	73	137912	8.508	ppbv	95
29) Chloroform	2.852	83	384364	10.087	ppbv	99
30) Cyclohexane	3.862	84	192377	8.509	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	237721	8.993	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	396331	9.085	ppbv	99
34) 2-Butanone	2.561	43	339503	9.197	ppbv	98
35) Carbon Tetrachloride	3.768	117	410967	10.334	ppbv	96
36) Benzene	3.661	78	464642	9.207	ppbv	99
37) 1,2-Dichloroethane	3.221	62	306471	10.607	ppbv	98
38) Trichloroethene	4.554	130	190707	9.057	ppbv	96
39) 1,2-Dichloropropane	4.321	63	166615	9.065	ppbv	91
40) 1,4-Dioxane	4.587	88	85279	8.742	ppbv #	95
41) Tetrahydrofuran	3.059	42	186669	8.782	ppbv	99
42) Bromodichloromethane	4.496	83	417630	10.485	ppbv	96
43) Methyl Methacrylate	4.888	69	183270	8.578	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	792460	9.292	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	187871	8.196	ppbv	93

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 Supervised By :Mahesh Dadoda 04/08/2025

Quant Time: Apr 05 02:01:14 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	5.610	75	235408	8.378	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	192846	9.926	ppbv	96
48) Dibromochloromethane	7.396	129	334902	10.171	ppbv	99
49) Bromoform	9.490	173	293331	9.923	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	493794	8.441	ppbv	96
51) 2-Hexanone	7.445	43	393716	8.196	ppbv #	95
52) Tetrachloroethene	8.231	164	170397	8.514	ppbv	94
53) Toluene	6.940	91	540865	9.041	ppbv	99
54) 1,2-Dibromoethane	7.658	107	265033	9.786	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.930	131	269744	10.724	ppbv	99
57) Chlorobenzene	8.927	112	437108	10.085	ppbv	97
58) Ethyl Benzene	9.361	91	791626	9.753	ppbv	99
59) m/p-Xylene	9.539	91	1322210m	20.400	ppbv	
60) o-Xylene	9.969	91	665062	10.236	ppbv	98
61) Styrene	9.875	104	304392	9.470	ppbv	99
62) Isopropylbenzene	10.545	105	1008886	10.383	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	422180	10.694	ppbv	99
64) n-propylbenzene	10.995	120	263691	10.543	ppbv	99
65) tert-Butylbenzene	11.536	119	921281	10.252	ppbv	98
66) Benzyl Chloride	11.620	91	65520	6.872	ppbv	99
67) sec-Butylbenzene	11.772	105	1296409	10.379	ppbv	99
69) p-Isopropyltoluene	11.931	119	1119576	10.410	ppbv	100
70) n-Butylbenzene	12.287	91	1149751	10.453	ppbv	99
71) 2-Chlorotoluene	10.908	91	777635	10.312	ppbv	100
72) 4-Ethyltoluene	11.128	105	850373	10.511	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	737397	10.437	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	816996	10.037	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	475804	10.658	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	473366	10.654	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	470868	10.833	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	366515	8.284	ppbv	99
79) Naphthalene	13.517	128	842258	9.460	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	310504	7.112	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	377618	9.195	ppbv	99

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

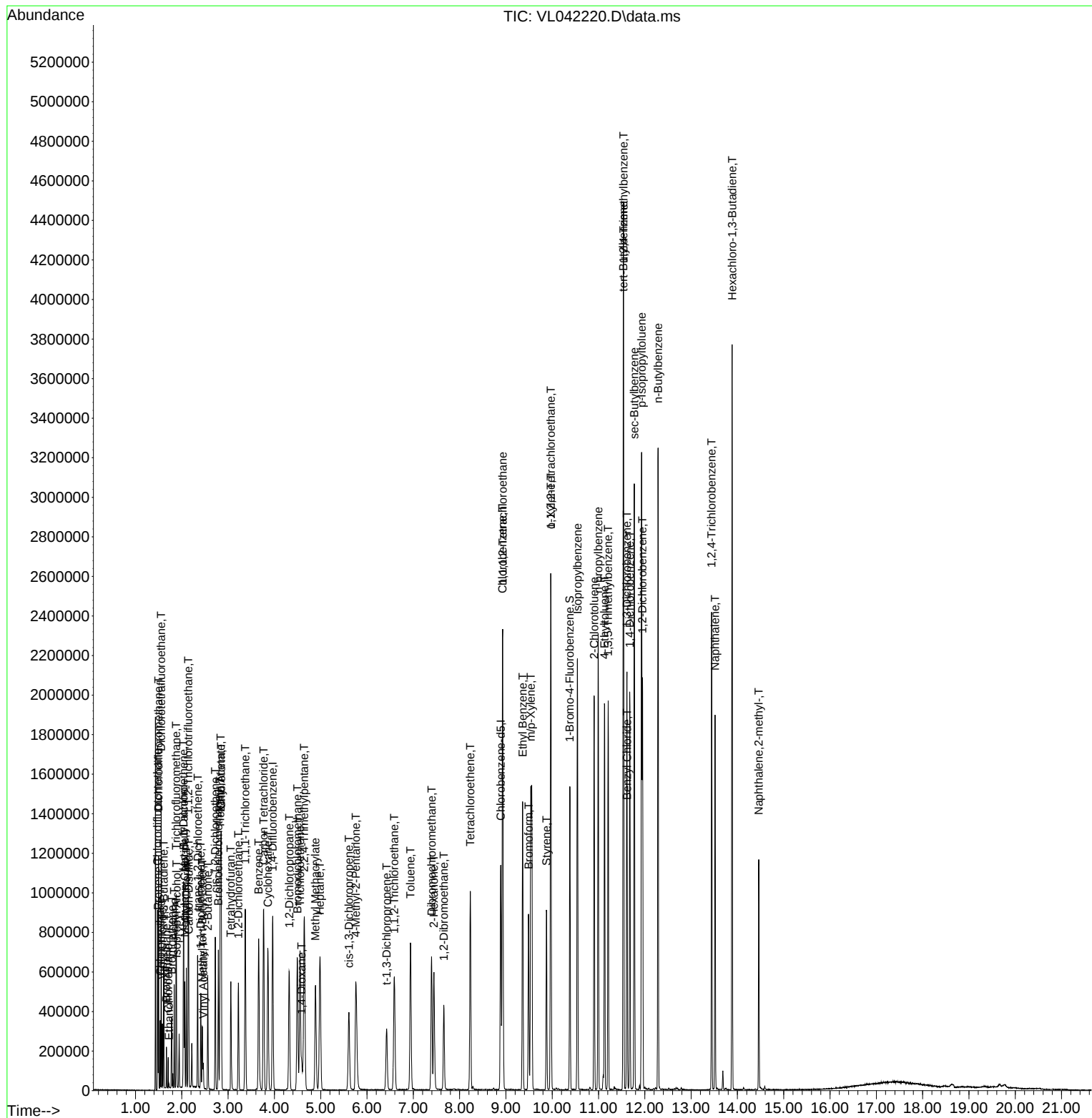
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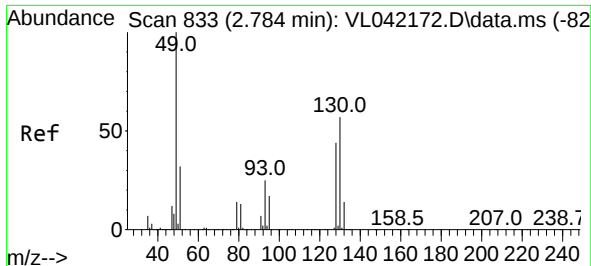
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2025
 Supervised By : Mahesh Dadoda 04/08/2025

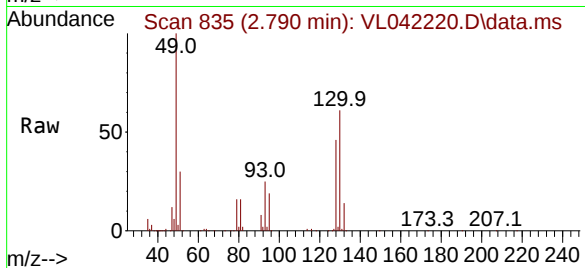
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

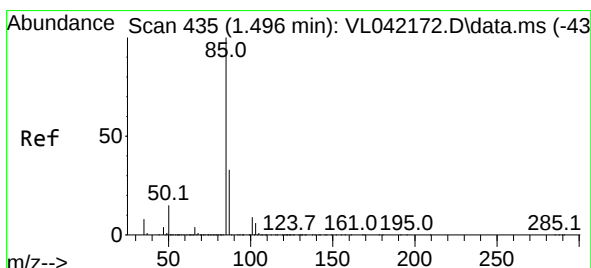
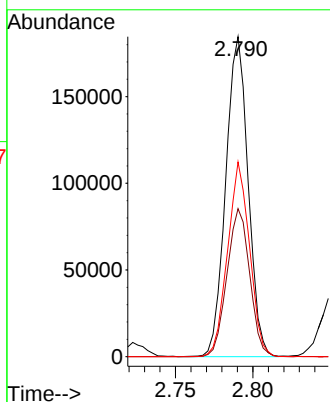
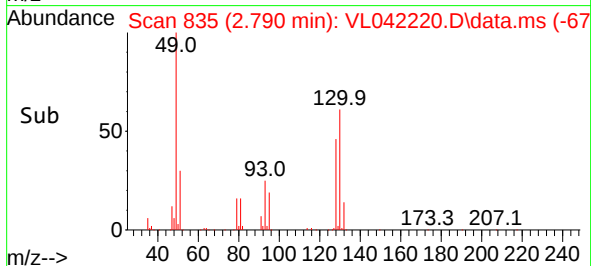
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



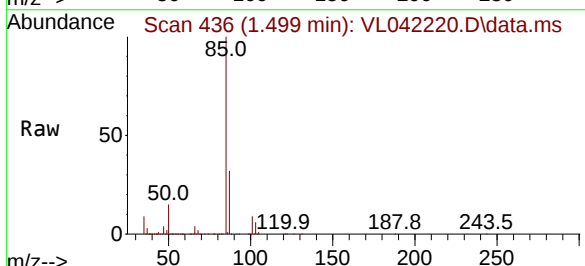
Tgt Ion: 49 Resp: 185704
Ion Ratio Lower Upper
49 100
128 46.9 22.9 68.5
130 59.7 28.8 86.4

Manual Integrations
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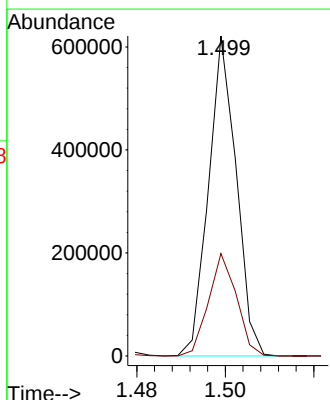
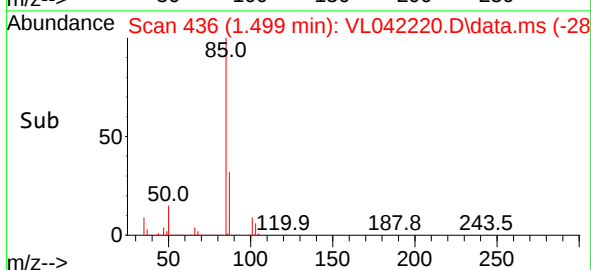
Reviewed By :Semsettin Yesilyurt 04/07/2025
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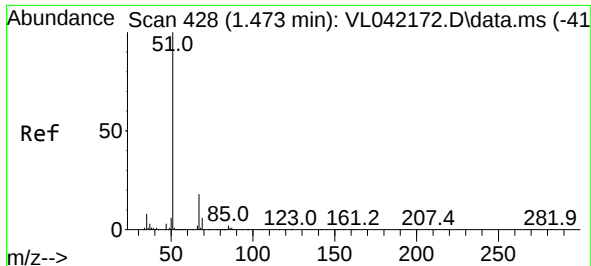


#2
Dichlorodifluoromethane
Concen: 9.845 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



Tgt Ion: 85 Resp: 269944
Ion Ratio Lower Upper
85 100
87 32.0 26.1 39.1





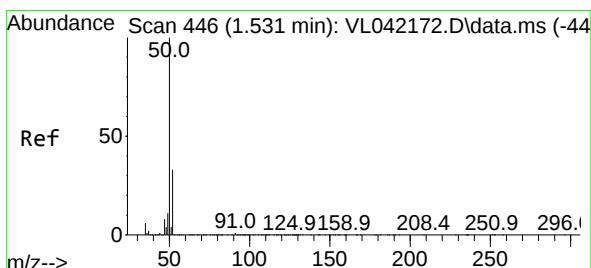
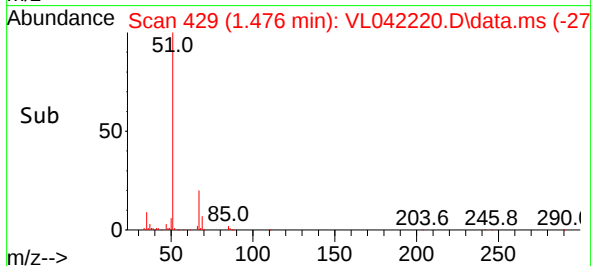
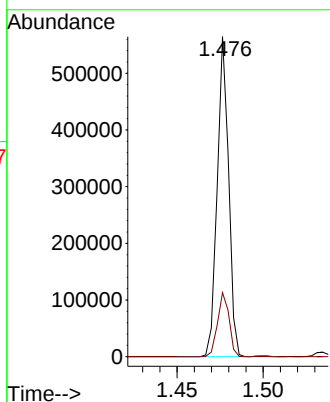
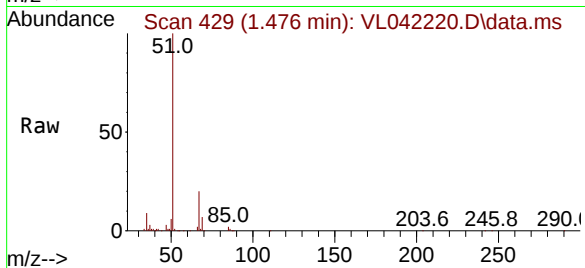
#3
Chlorodifluoromethane
Concen: 9.327 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 51 Resp: 26124
Ion Ratio Lower Upper
51 100
67 20.3 15.0 22.6

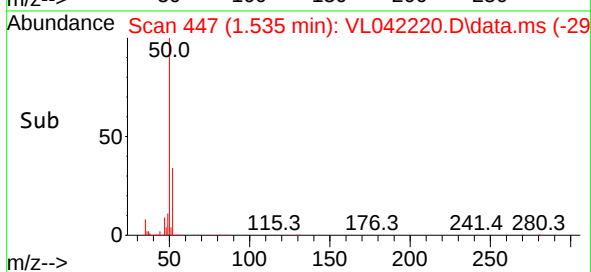
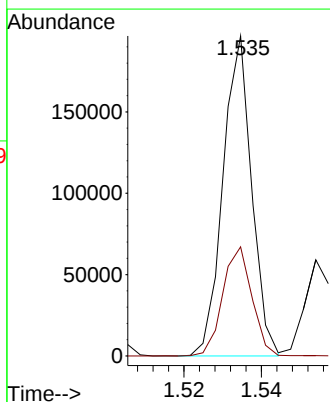
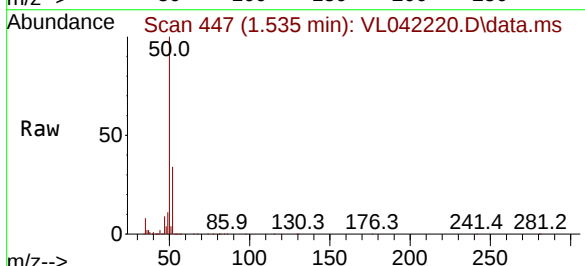
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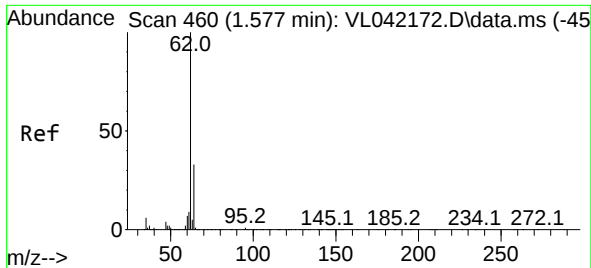
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#4
Chloromethane
Concen: 9.011 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion: 50 Resp: 100977
Ion Ratio Lower Upper
50 100
52 34.0 26.1 39.1





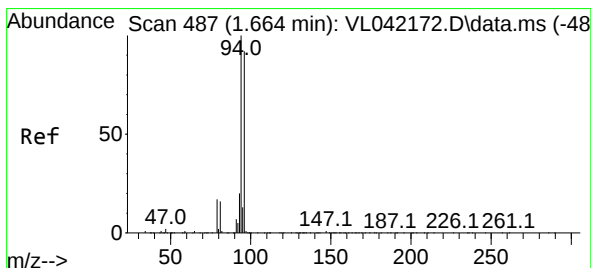
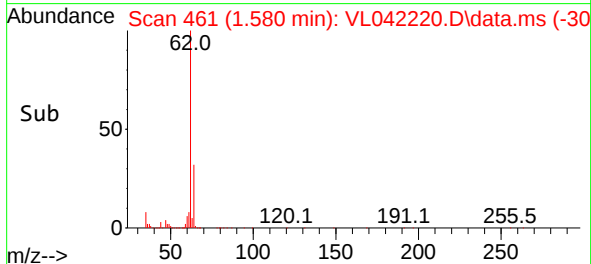
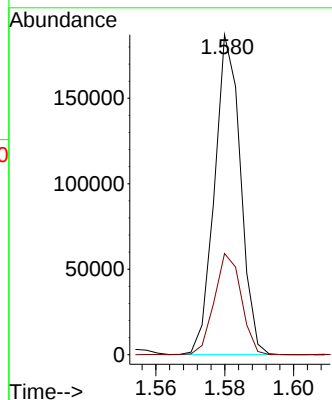
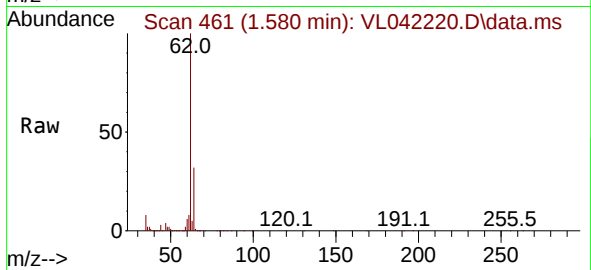
#5
 Vinyl Chloride
 Concen: 8.243 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01

Tgt Ion: 62 Resp: 97885
 Ion Ratio Lower Upper
 62 100
 64 31.6 26.6 40.0

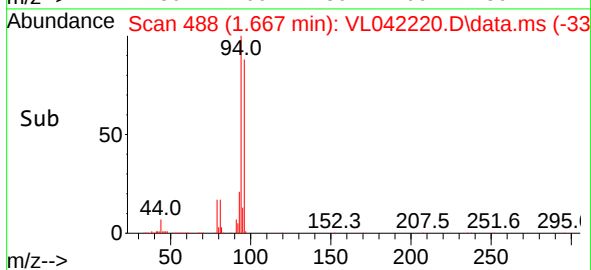
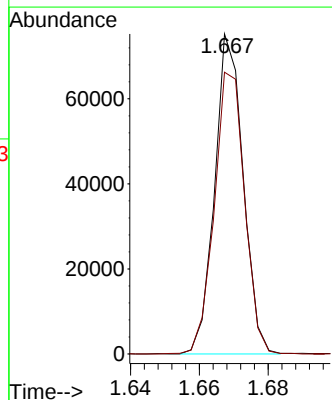
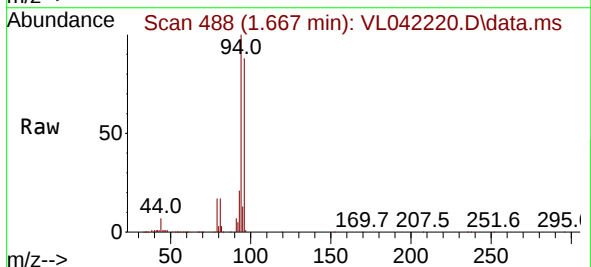
Manual Integrations
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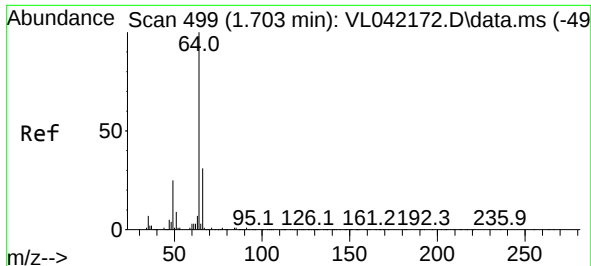
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#6
 Bromomethane
 Concen: 8.529 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

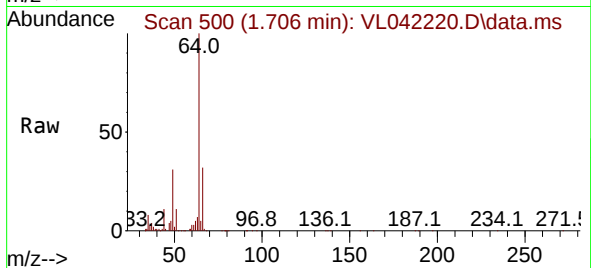
Tgt Ion: 94 Resp: 43311
 Ion Ratio Lower Upper
 94 100
 96 87.9 73.1 109.7





#7
Chloroethane
Concen: 8.654 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

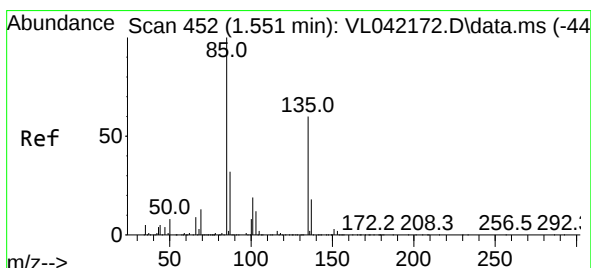
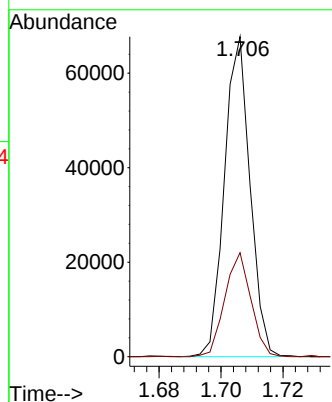
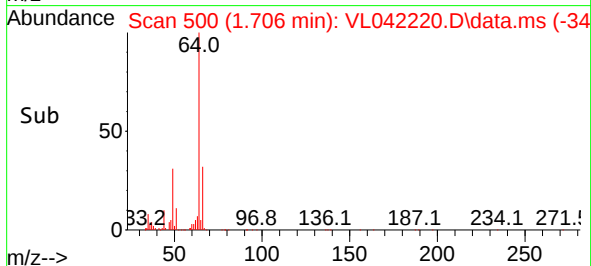
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ClientSampleId :
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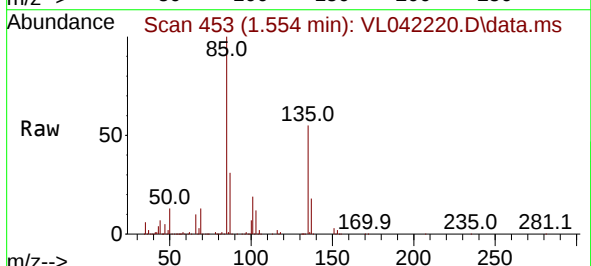
Tgt Ion: 64 Resp: 38925
Ion Ratio Lower Upper
64 100
66 32.5 25.2 37.8

Manual Integrations
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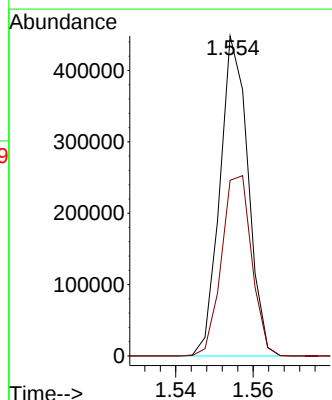
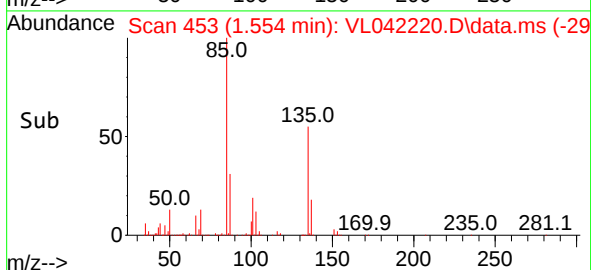
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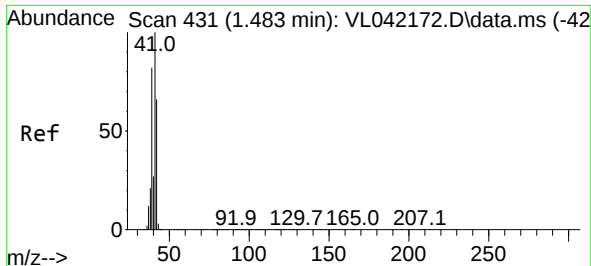


#8
Dichlorotetrafluoroethane
Concen: 9.696 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



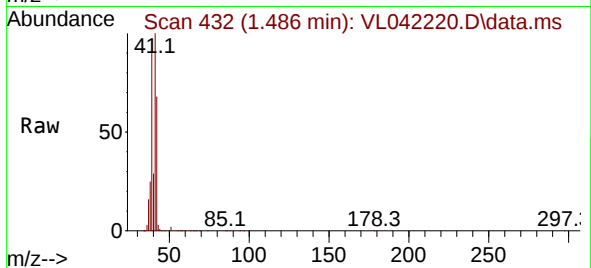
Tgt Ion: 85 Resp: 226404
Ion Ratio Lower Upper
85 100
135 60.5 52.4 78.6





#9
 Propene
 Concen: 7.671 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

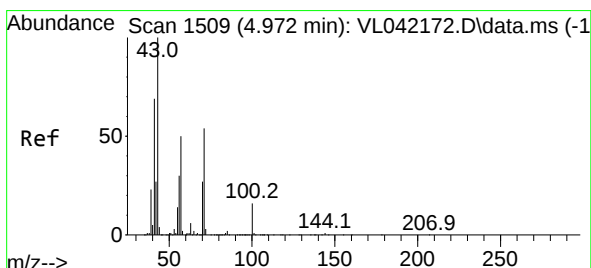
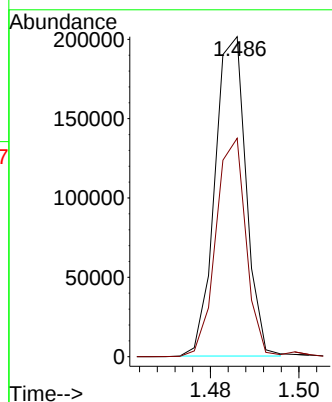
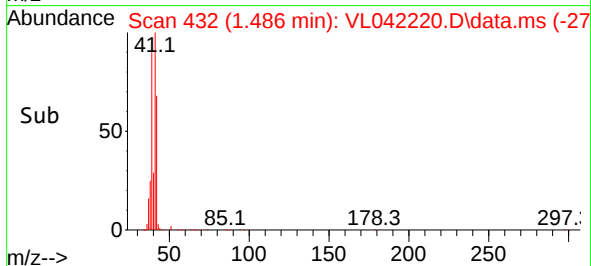
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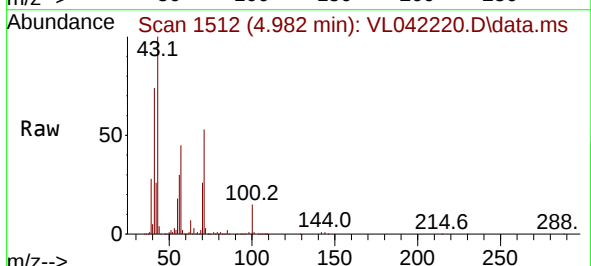
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 Ion Ratio Lower Upper
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 42 67.6 55.4 83.2

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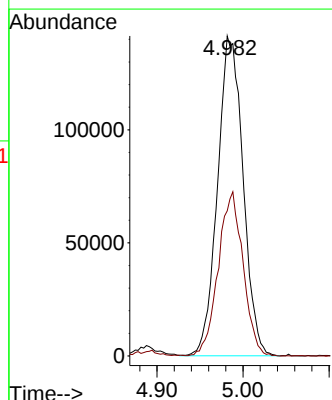
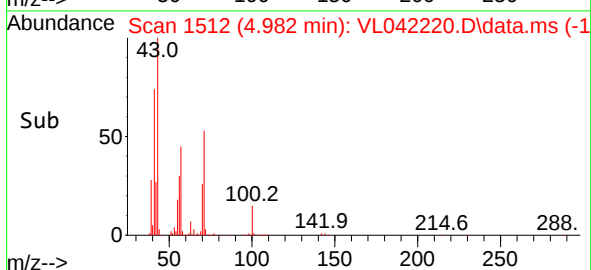
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025

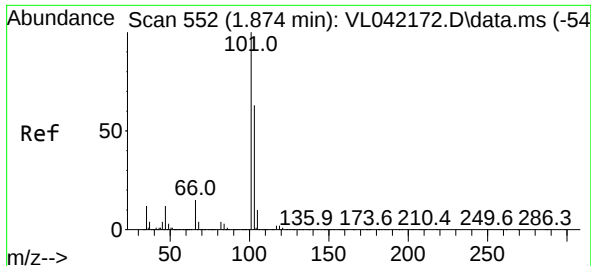


#10
 Heptane
 Concen: 8.521 ppbv
 RT: 4.982 min Scan# 1512
 Delta R.T. 0.010 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55



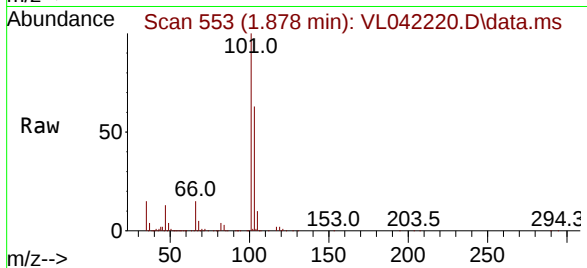
Tgt Ion: 43 Resp: 290990
 Ion Ratio Lower Upper
 43 100
 57 50.0 39.4 59.2





#11
Trichlorofluoromethane
Concen: 9.704 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

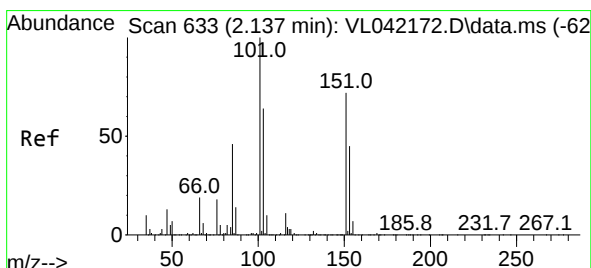
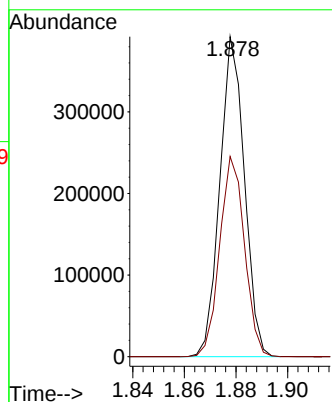
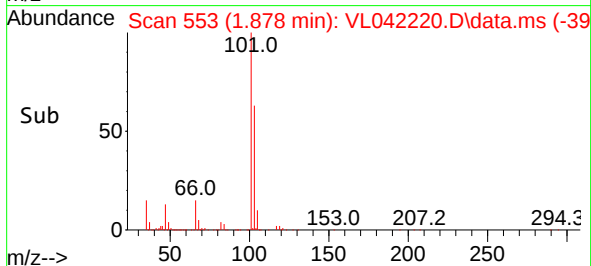
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



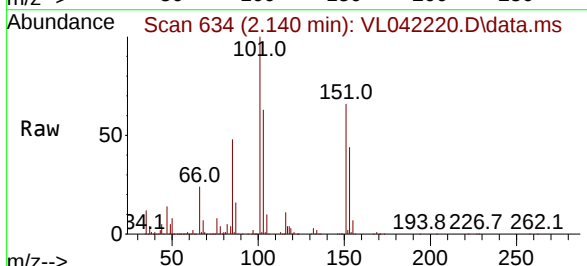
Tgt Ion:101 Resp: 25888
Ion Ratio Lower Upper
101 100
103 62.6 50.2 75.2

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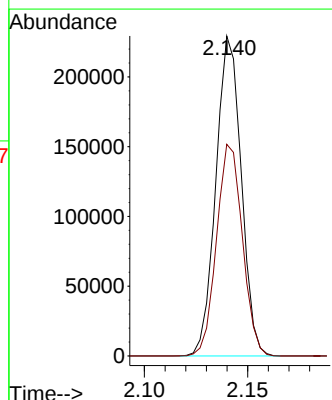
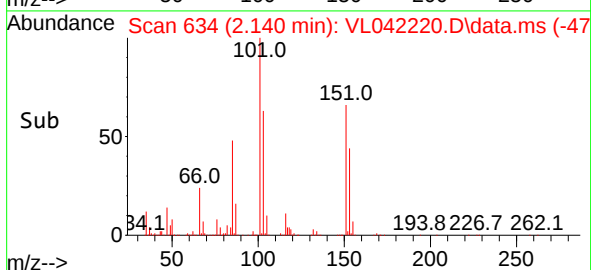
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

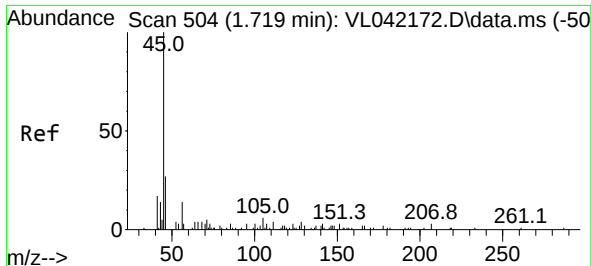


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.937 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



Tgt Ion:101 Resp: 195978
Ion Ratio Lower Upper
101 100
151 67.4 57.1 85.7





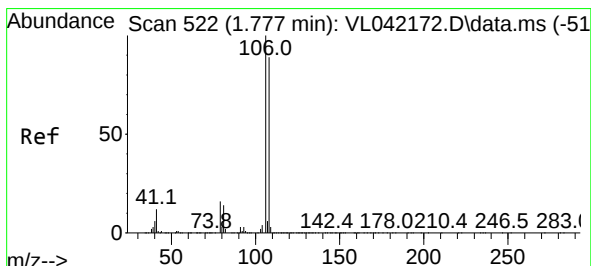
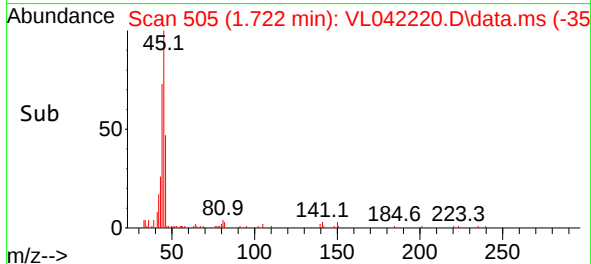
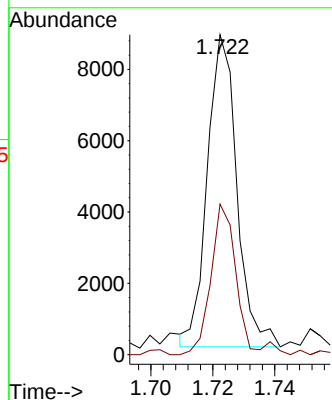
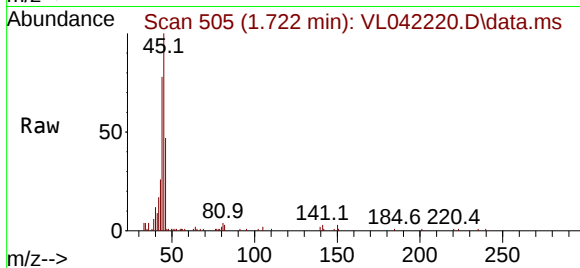
#13
Ethanol
Concen: 4.773 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 45 Resp: 579
Ion Ratio Lower Upper
45 100
46 44.0 20.2 80.8

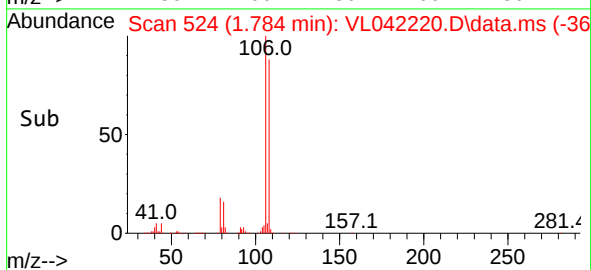
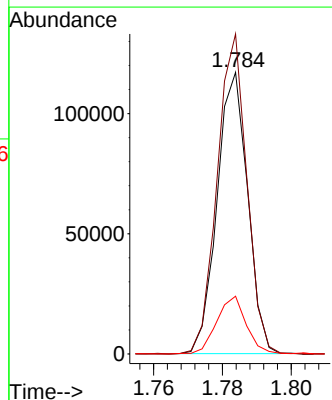
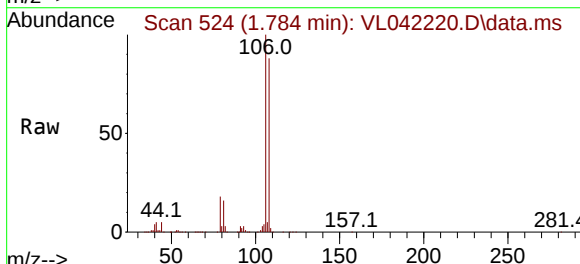
Manual Integrations
APPROVED

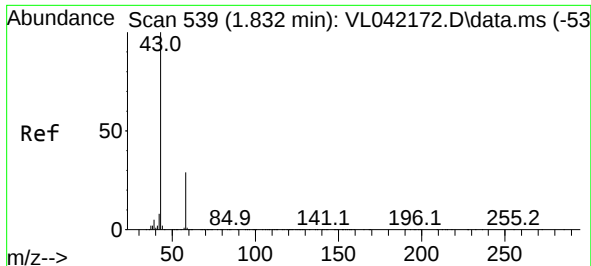
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#14
Bromoethene
Concen: 8.600 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion:108 Resp: 72245
Ion Ratio Lower Upper
108 100
106 110.3 86.8 130.2
79 20.4 15.0 22.6





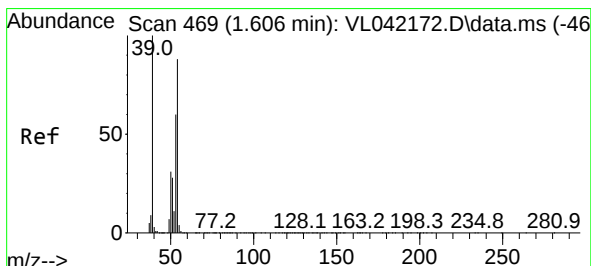
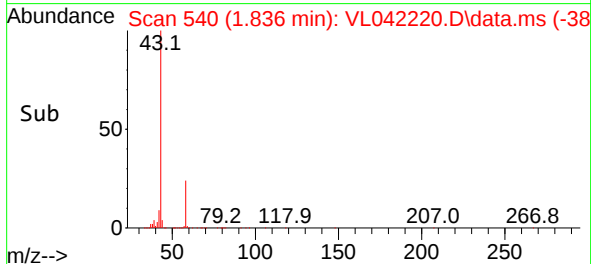
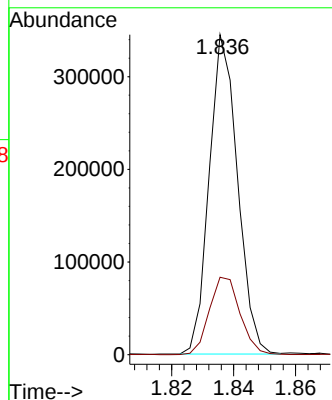
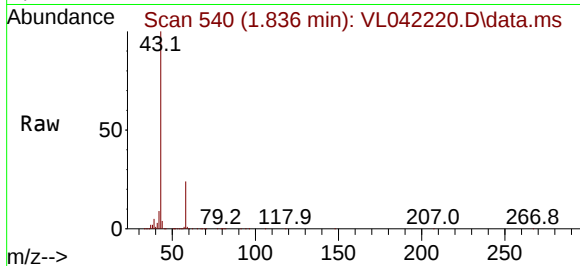
#15
Acetone
Concen: 8.429 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 43 Resp: 218900
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8

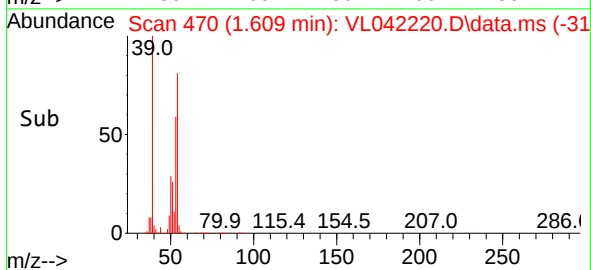
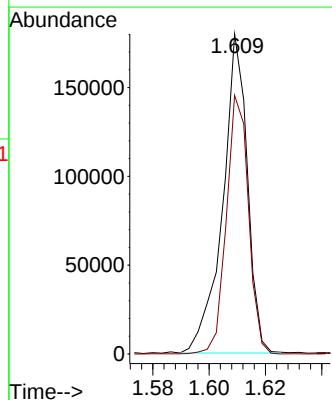
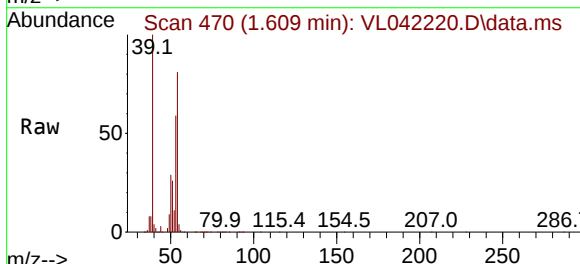
Manual Integrations
APPROVED

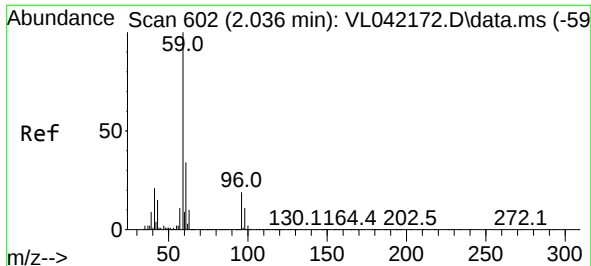
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#16
1,3-Butadiene
Concen: 8.619 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion: 39 Resp: 109321
Ion Ratio Lower Upper
39 100
54 72.6 60.7 91.1





#17

tert-Butyl alcohol

Concen: 8.308 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01

Tgt Ion: 59 Resp: 268750

Ion Ratio Lower Upper

59 100

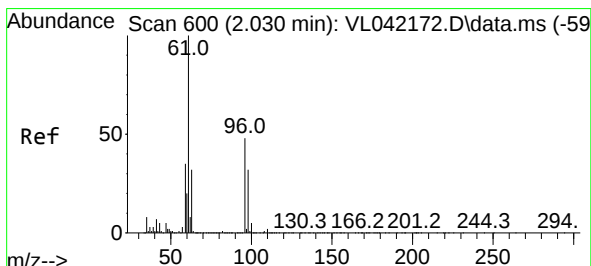
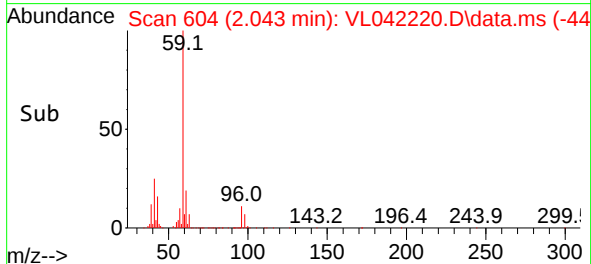
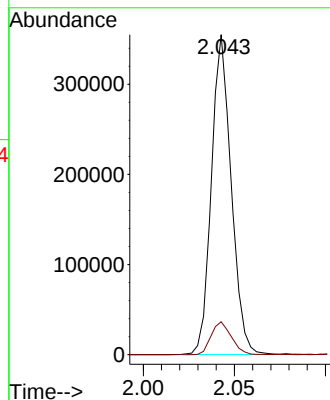
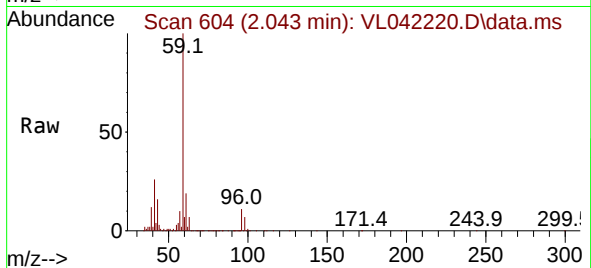
57 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#18

1,1-Dichloroethene

Concen: 8.805 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

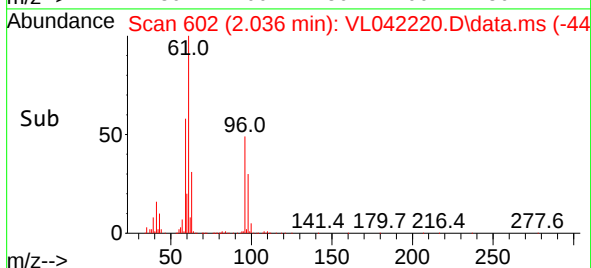
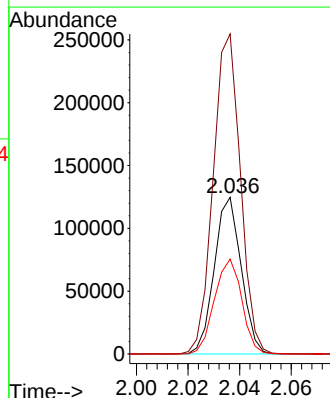
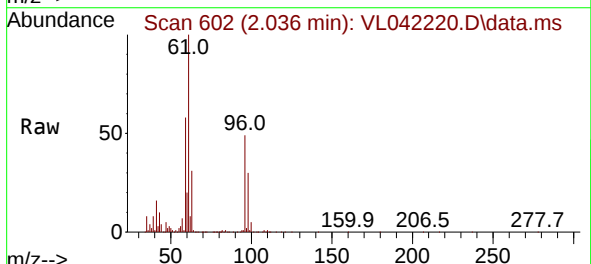
Tgt Ion: 96 Resp: 90266

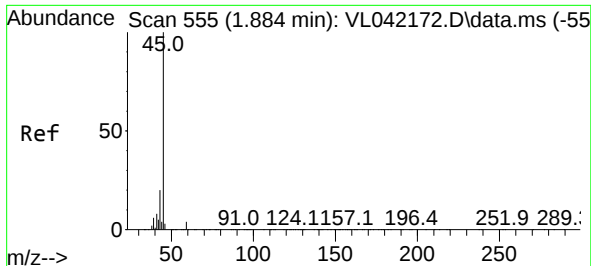
Ion Ratio Lower Upper

96 100

61 204.2 167.6 251.4

98 60.6 53.5 80.3





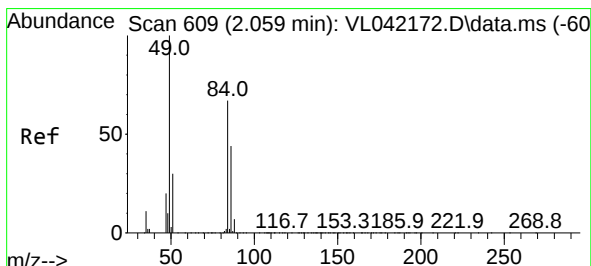
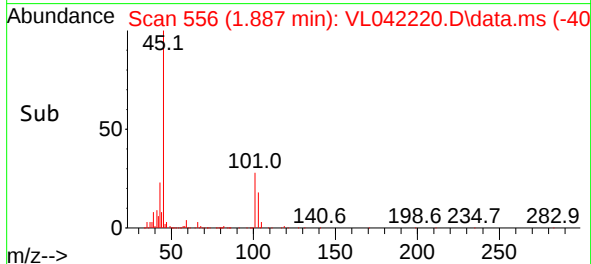
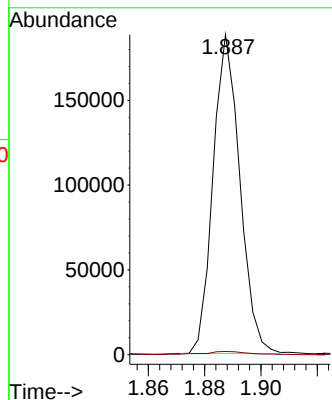
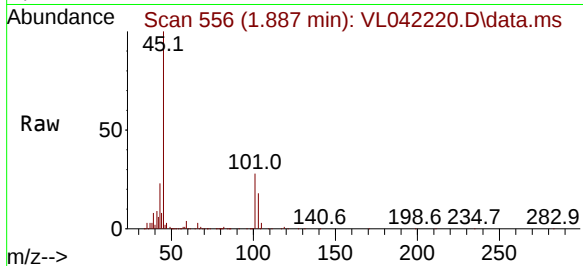
#19
Isopropyl Alcohol
Concen: 8.487 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 45 Resp: 12436
Ion Ratio Lower Upper
45 100
58 46.7 36.9 55.3

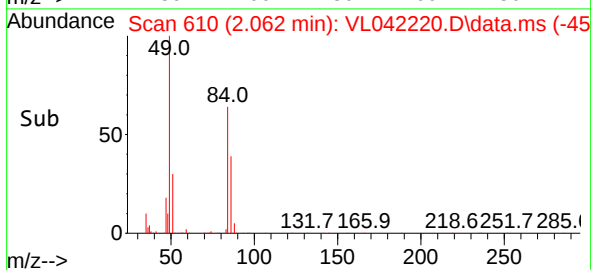
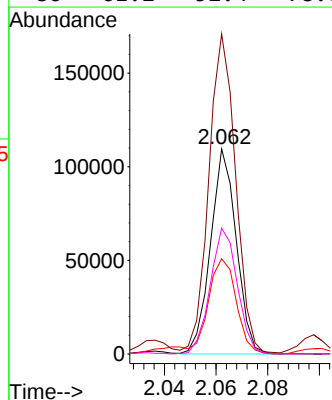
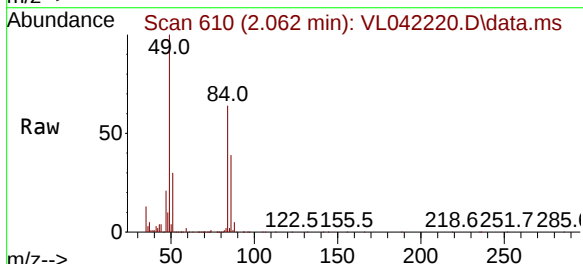
Manual Integrations
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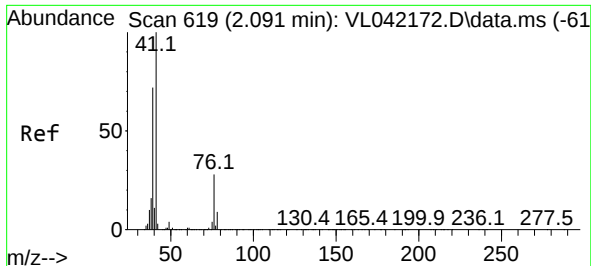
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#20
Methylene Chloride
Concen: 7.852 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

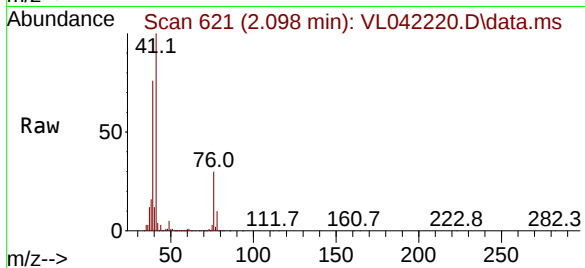
Tgt Ion: 84 Resp: 75950
Ion Ratio Lower Upper
84 100
49 155.4 120.2 180.4
51 46.3 37.4 56.0
86 61.2 52.4 78.6





#21
 Allyl Chloride
 Concen: 8.574 ppbv
 RT: 2.098 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

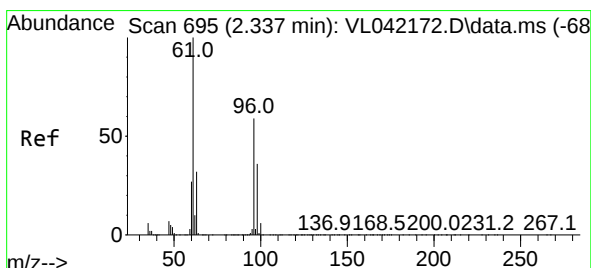
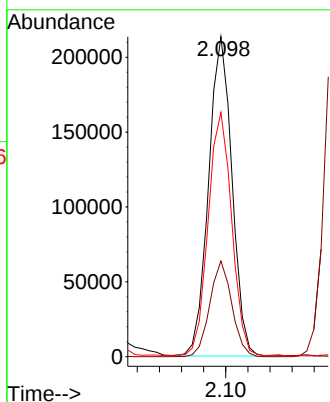
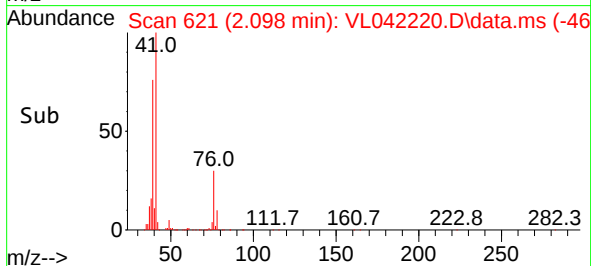
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01



Tgt Ion: 41 Resp: 15704
 Ion Ratio Lower Upper
 41 100
 76 28.3 24.1 36.1
 39 76.6 61.1 91.7

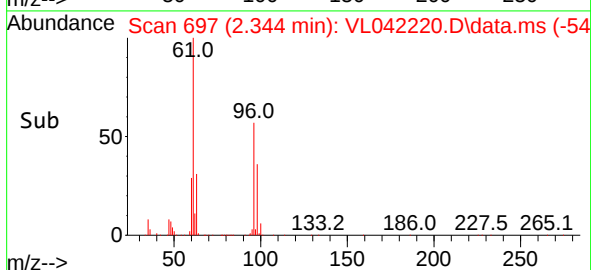
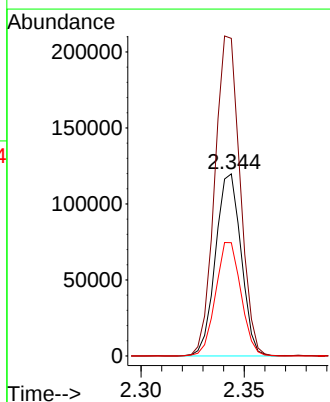
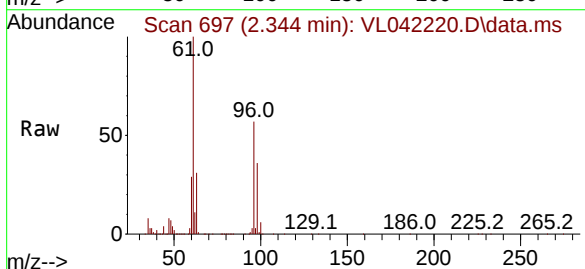
Manual Integrations
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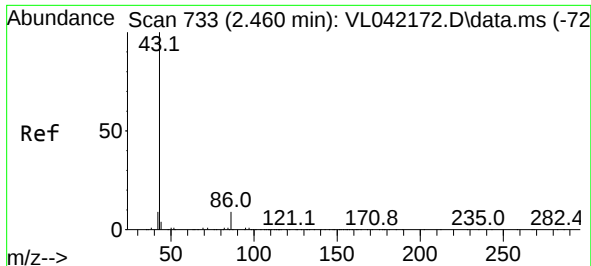
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.700 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

Tgt Ion: 96 Resp: 103089
 Ion Ratio Lower Upper
 96 100
 61 174.4 136.6 204.8
 98 62.2 49.4 74.2





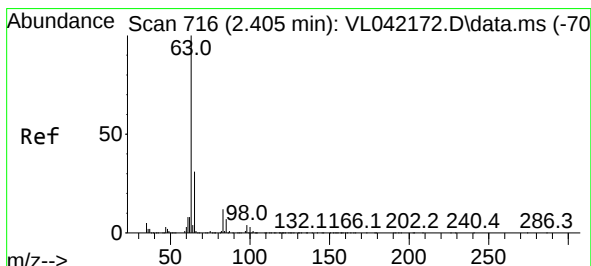
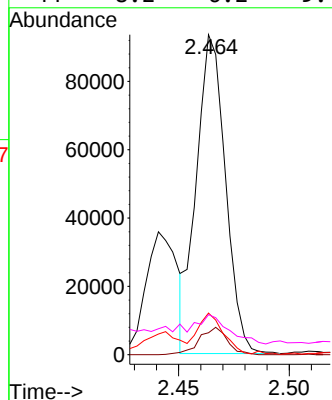
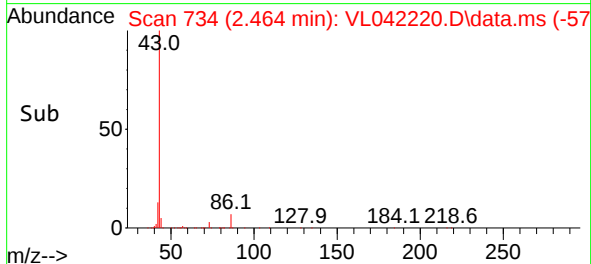
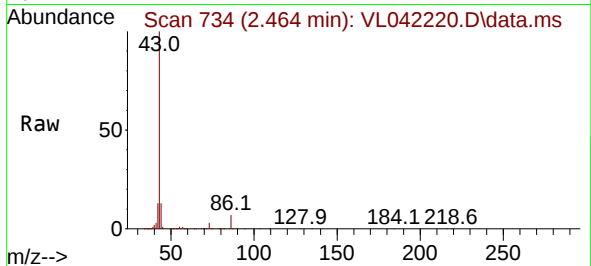
#23
 Vinyl Acetate
 Concen: 7.586 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01

Tgt Ion: 43	Resp: 85270
Ion Ratio	Lower Upper
43 100	
86 6.9	5.5 8.3
42 12.9	8.6 13.0
44 8.2	6.2 9.4

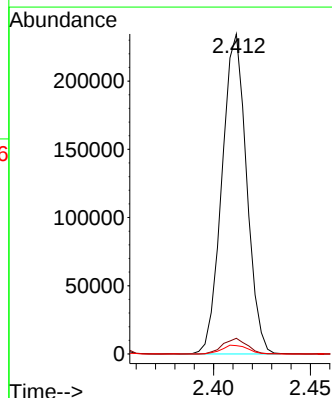
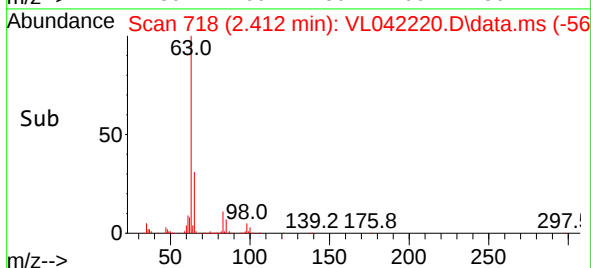
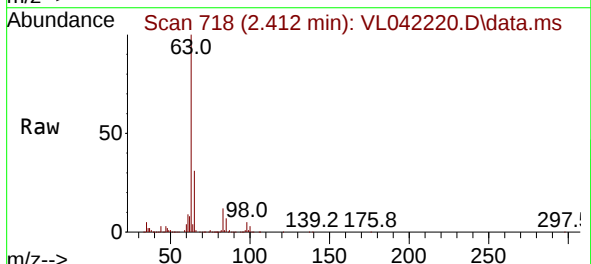
Manual Integrations
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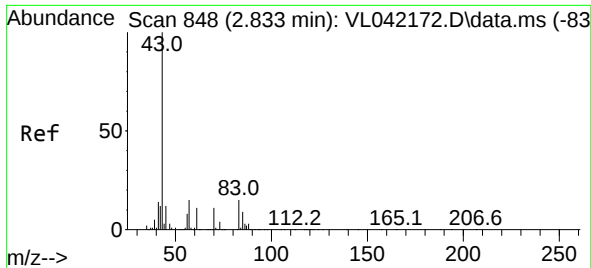
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#24
 1,1-Dichloroethane
 Concen: 9.440 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

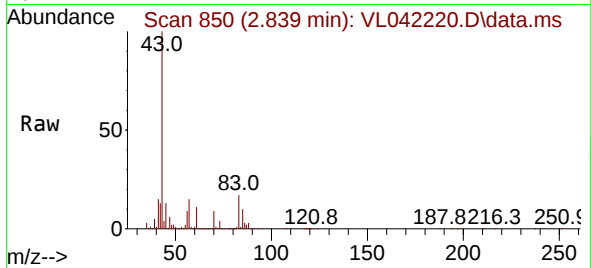
Tgt Ion: 63	Resp: 207336
Ion Ratio	Lower Upper
63 100	
98 4.9	2.3 6.8
100 2.6	1.6 4.7





#25
Ethyl Acetate
Concen: 8.977 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

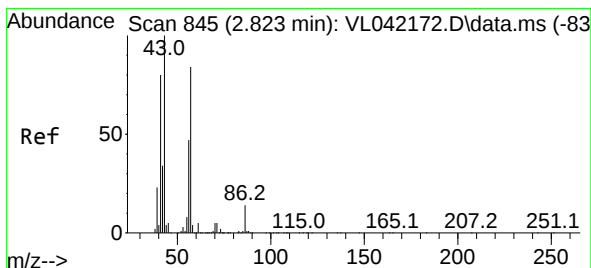
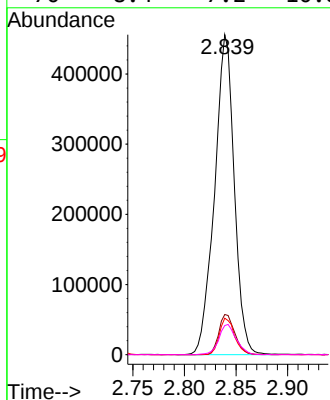
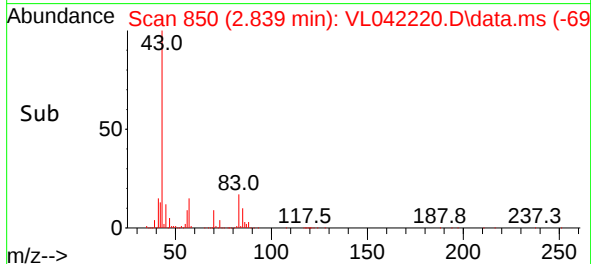
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



Tgt Ion: 43 Resp: 60509
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 8.9 7.3 10.9
70 8.4 7.2 10.8

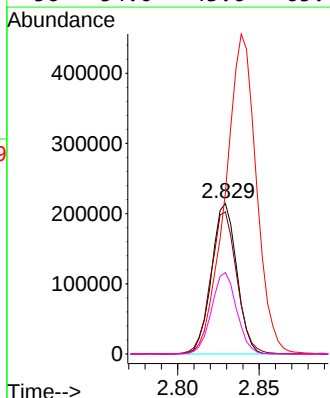
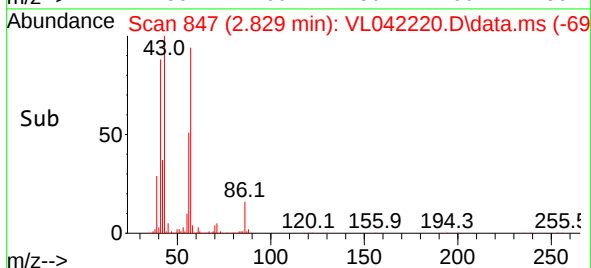
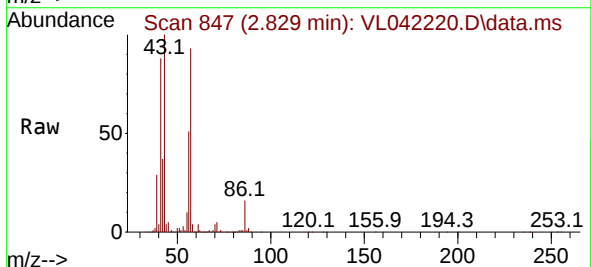
Manual Integrations
APPROVED

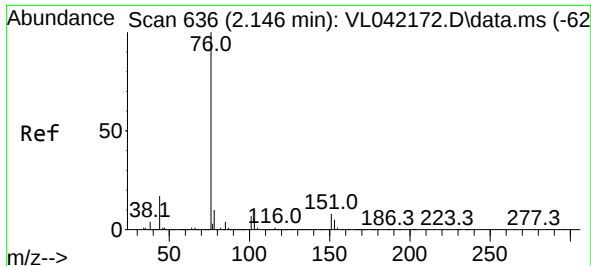
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#26
Hexane
Concen: 8.841 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

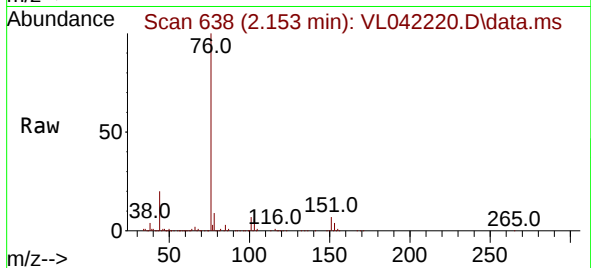
Tgt Ion: 57 Resp: 230193
Ion Ratio Lower Upper
57 100
41 97.8 76.6 114.8
43 263.4 207.8 311.8
56 54.0 43.6 65.4





#27
Carbon Disulfide
Concen: 8.511 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

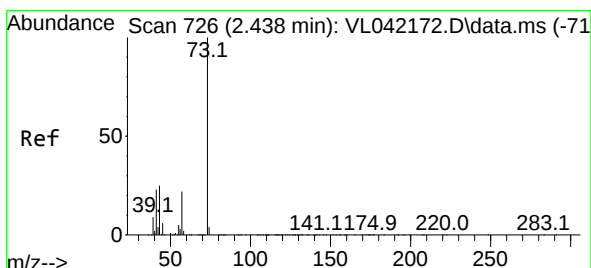
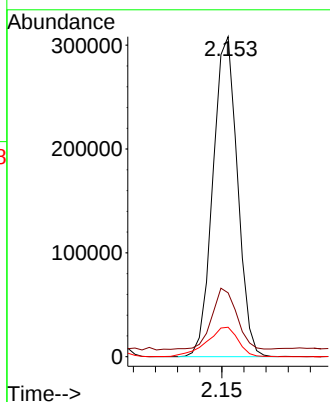
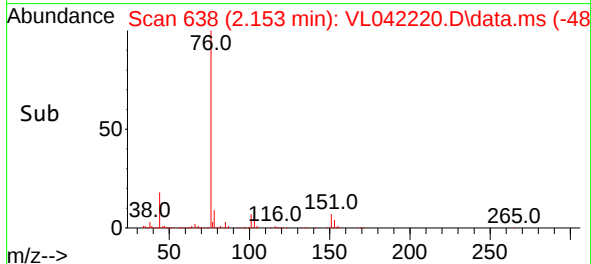
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



Tgt Ion: 76 Resp: 237628
Ion Ratio Lower Upper
76 100
44 22.7 14.7 22.1
78 11.7 9.3 13.9

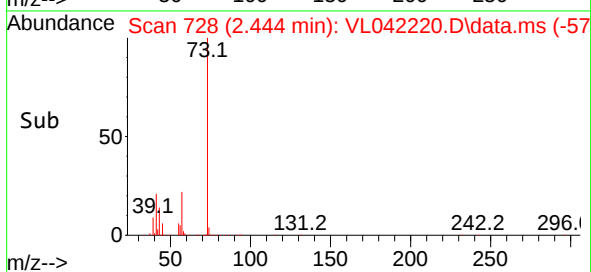
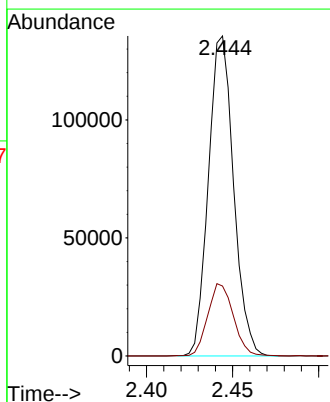
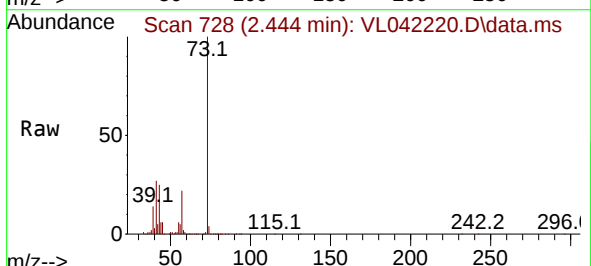
Manual Integrations
APPROVED

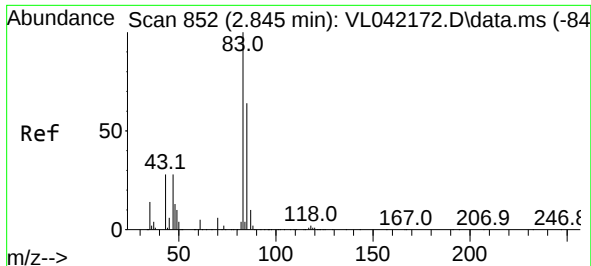
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#28
Methyl tert-Butyl Ether
Concen: 8.508 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

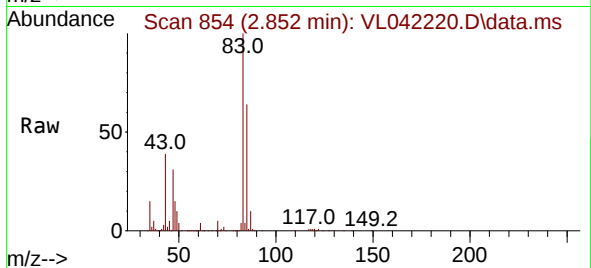
Tgt Ion: 73 Resp: 137912
Ion Ratio Lower Upper
73 100
57 23.1 20.5 30.7





#29
Chloroform
Concen: 10.087 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

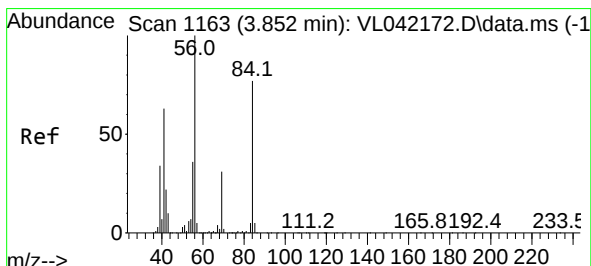
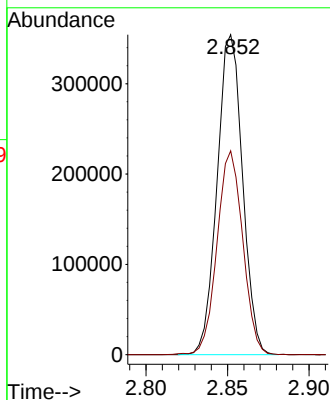
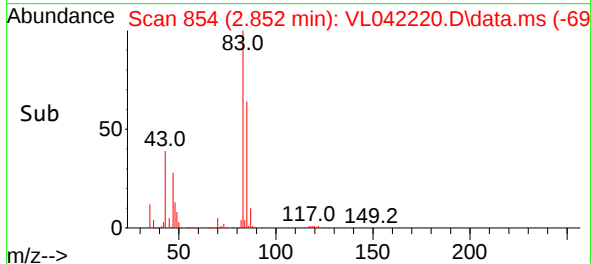
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



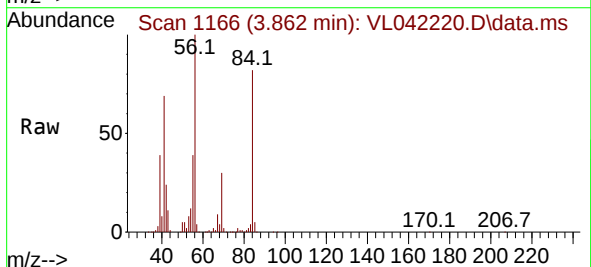
Tgt Ion: 83 Resp: 384364
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2

Manual Integrations
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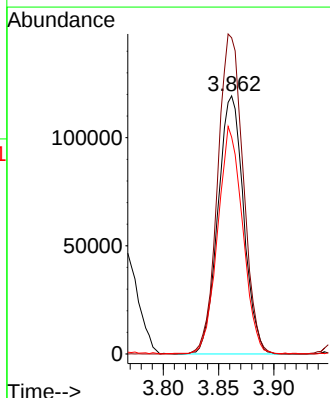
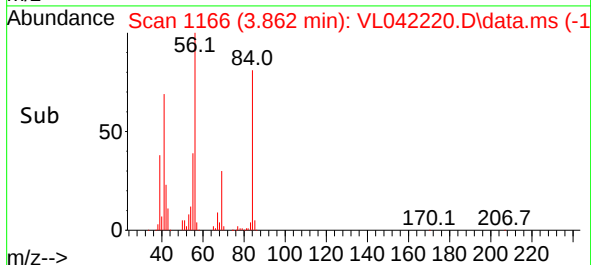
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

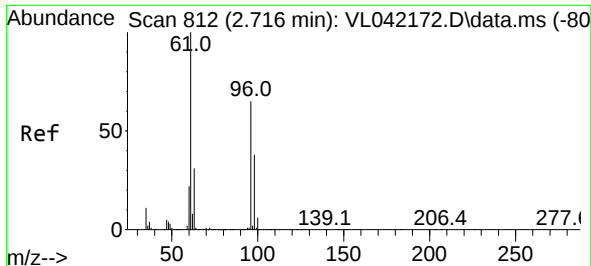


#30
Cyclohexane
Concen: 8.509 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



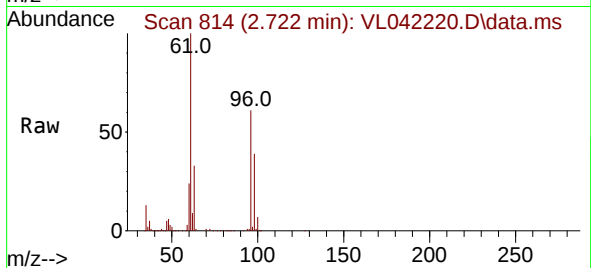
Tgt Ion: 84 Resp: 192377
Ion Ratio Lower Upper
84 100
56 123.2 102.8 154.2
41 85.4 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.993 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.006 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

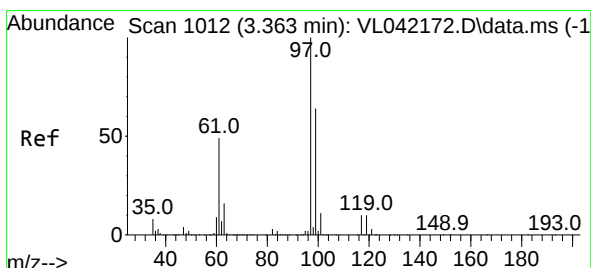
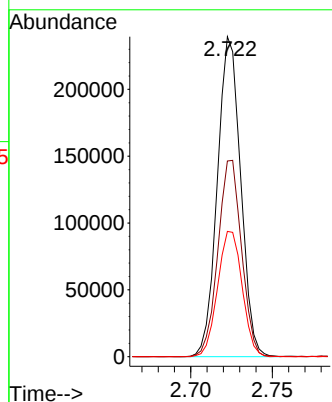
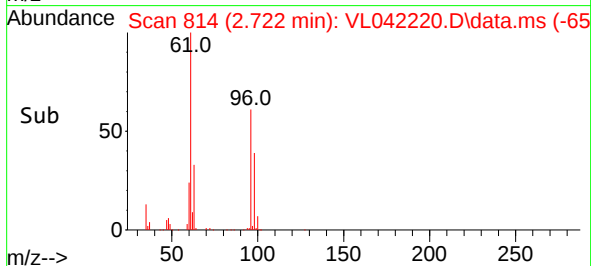
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01



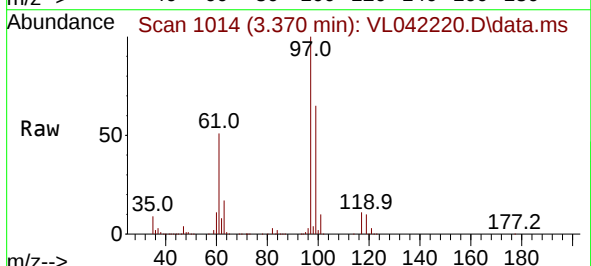
Tgt Ion: 61 Resp: 23772
 Ion Ratio Lower Upper
 61 100
 96 61.1 51.8 77.8
 98 39.1 30.6 46.0

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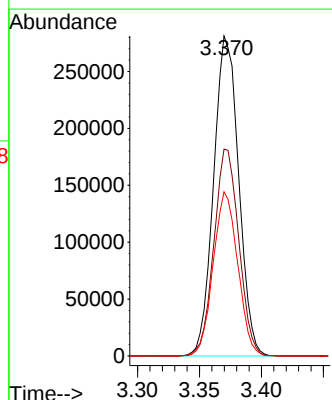
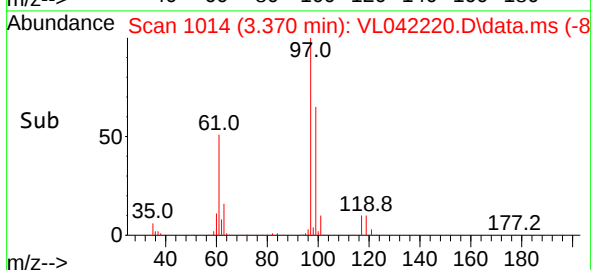
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025

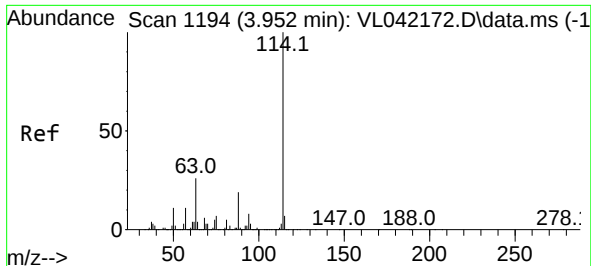


#32
 1,1,1-Trichloroethane
 Concen: 9.085 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55



Tgt Ion: 97 Resp: 396331
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 50.2 38.7 58.1





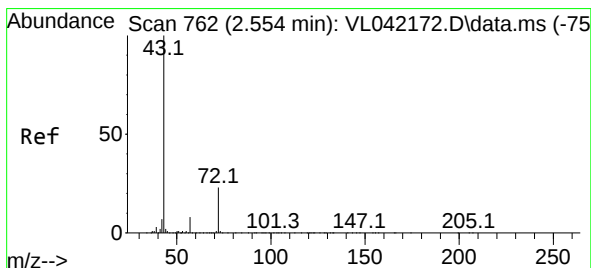
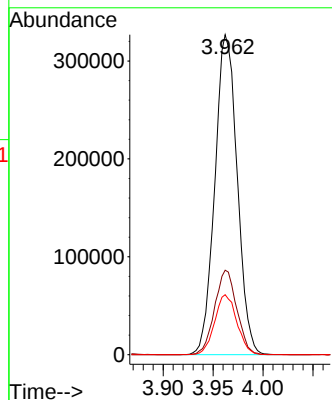
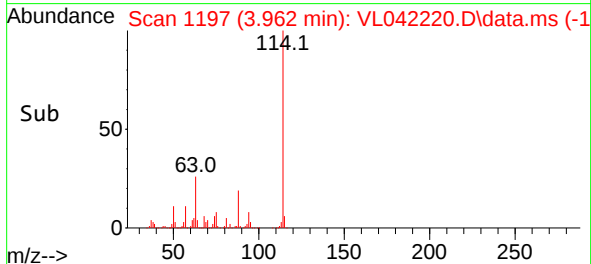
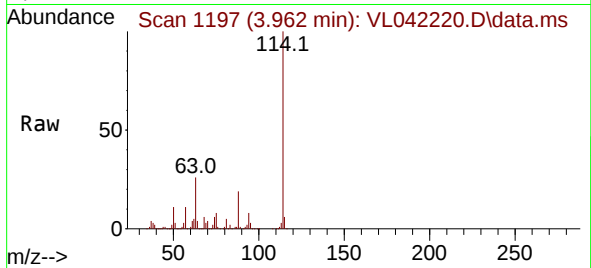
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion:114 Resp: 509064
Ion Ratio Lower Upper
114 100
63 26.2 20.7 31.1
88 18.6 15.0 22.4

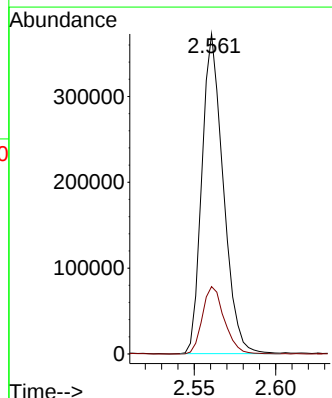
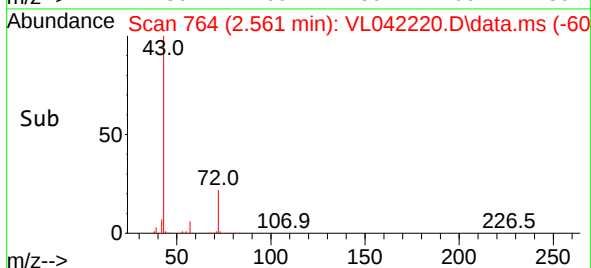
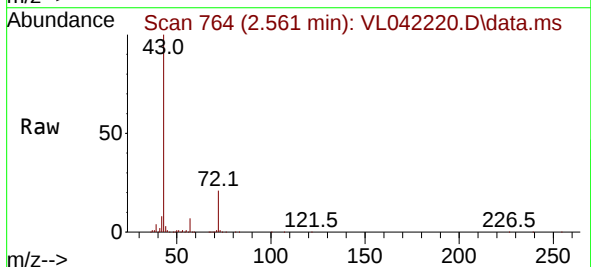
Manual Integrations
APPROVED

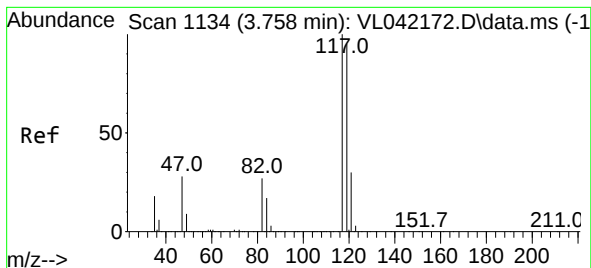
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#34
2-Butanone
Concen: 9.197 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion: 43 Resp: 339503
Ion Ratio Lower Upper
43 100
72 21.7 18.2 27.2





#35

Carbon Tetrachloride

Concen: 10.334 ppbv

RT: 3.768 min Scan# 1134

Delta R.T. 0.010 min

Lab File: VL042220.D

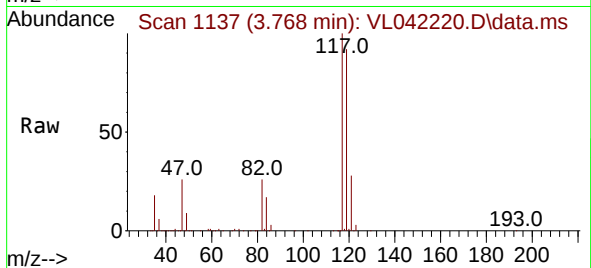
Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01



Tgt Ion:117 Resp: 41096

Ion Ratio Lower Upper

117 100

119 92.0 76.2 114.2

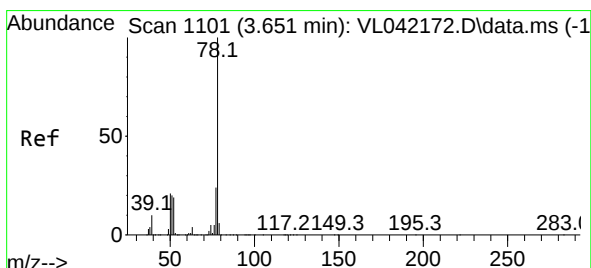
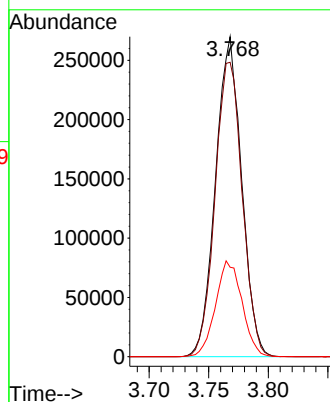
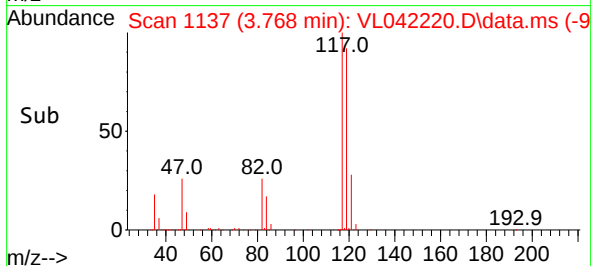
121 28.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#36

Benzene

Concen: 9.207 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

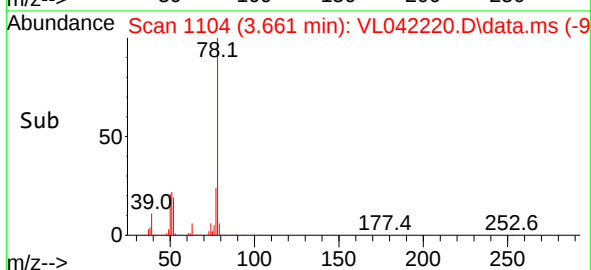
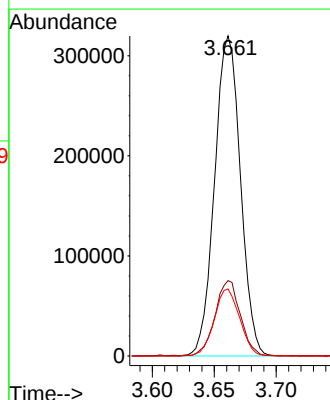
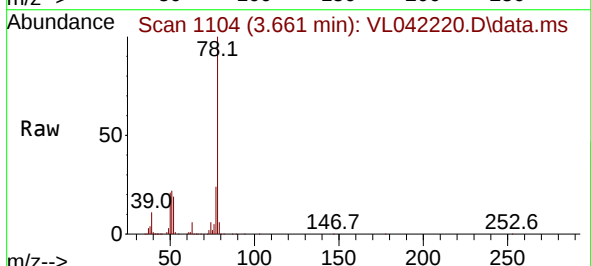
Tgt Ion: 78 Resp: 464642

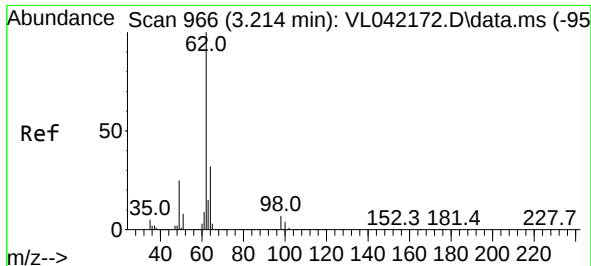
Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

50 21.0 16.6 24.8





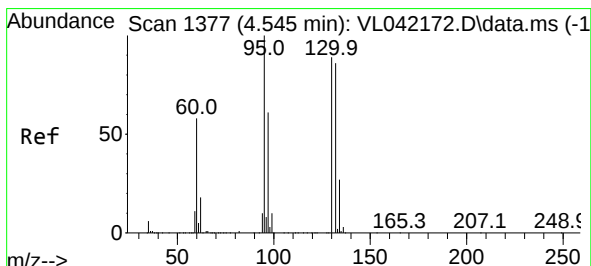
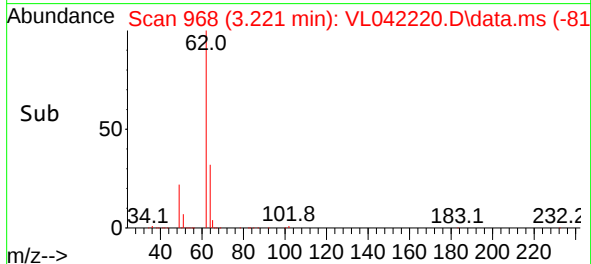
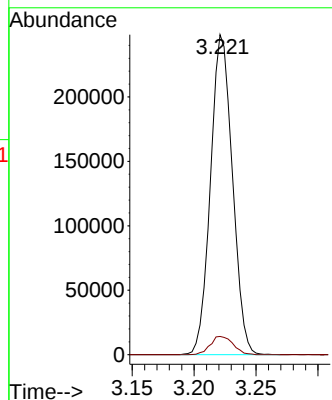
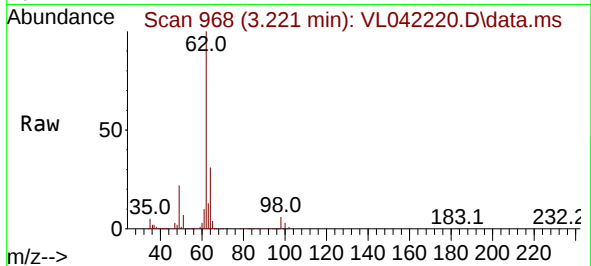
#37
1,2-Dichloroethane
Concen: 10.607 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 62 Resp: 30647
Ion Ratio Lower Upper
62 100
98 5.9 5.4 8.2

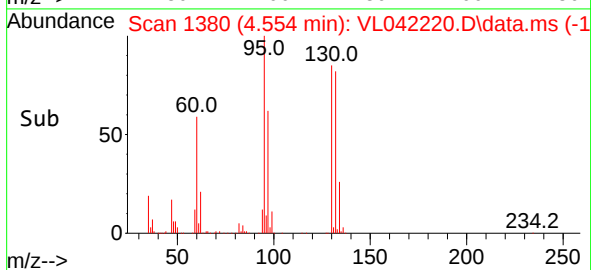
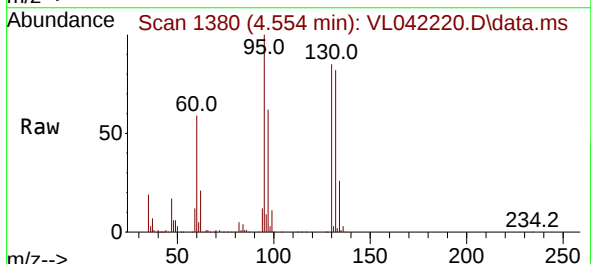
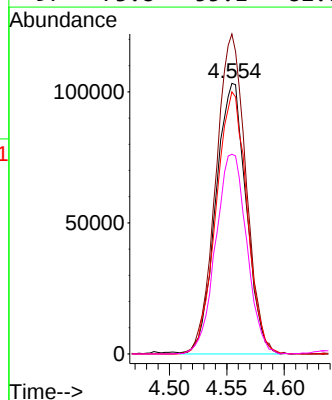
Manual Integrations
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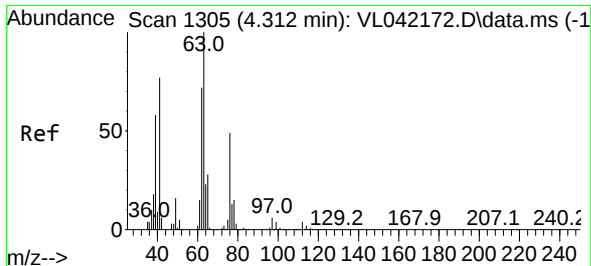
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#38
Trichloroethene
Concen: 9.057 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion:130 Resp: 190707
Ion Ratio Lower Upper
130 100
95 118.0 89.8 134.8
132 96.8 77.4 116.2
97 73.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.065 ppbv

RT: 4.321 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01

Tgt Ion: 63 Resp: 16661

Ion Ratio Lower Upper

63 100

41 90.5 61.7 92.5

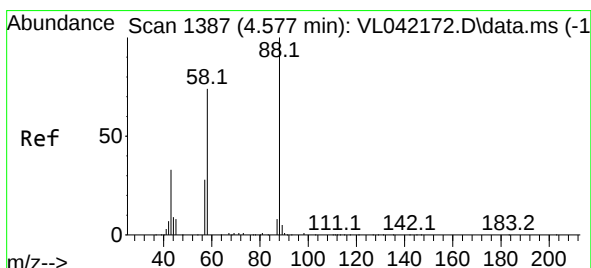
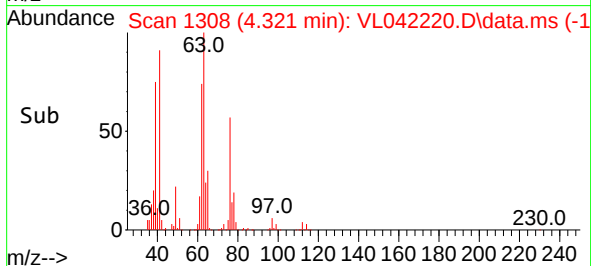
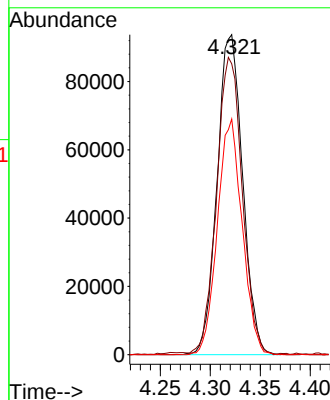
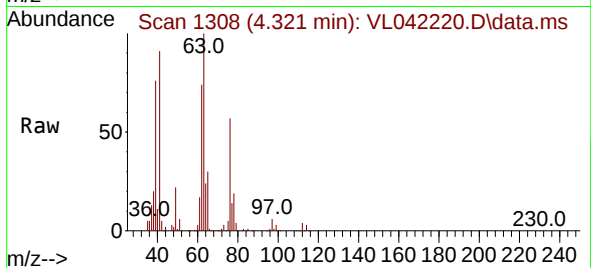
62 73.6 57.6 86.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#40

1,4-Dioxane

Concen: 8.742 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion: 88 Resp: 85279

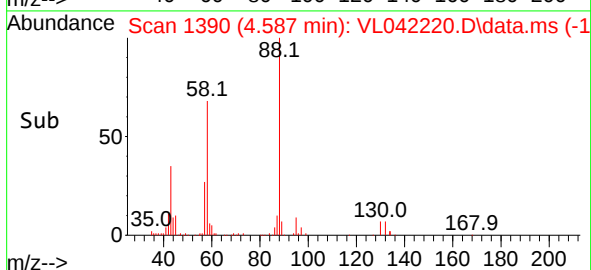
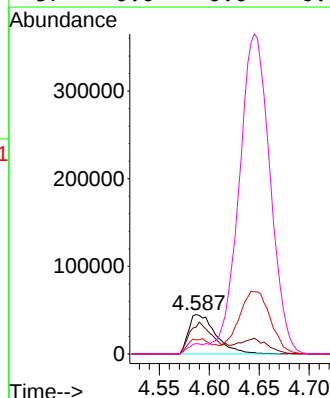
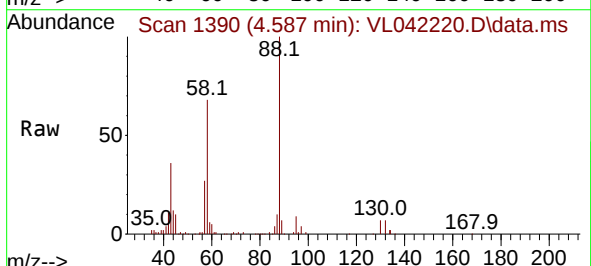
Ion Ratio Lower Upper

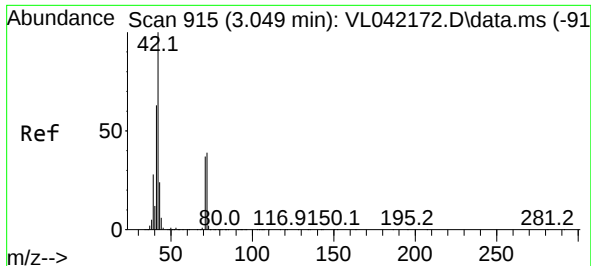
88 100

58 73.5 62.7 94.1

43 30.2 23.0 34.4

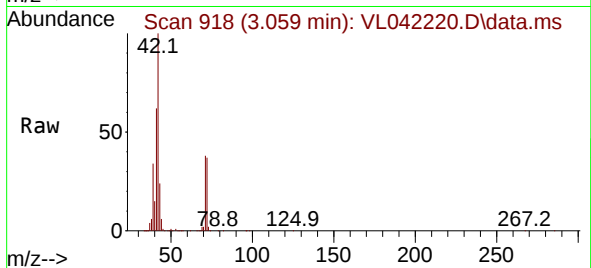
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.782 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

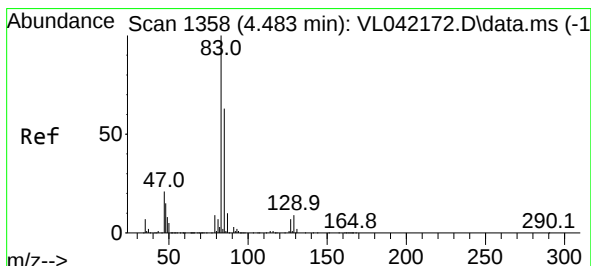
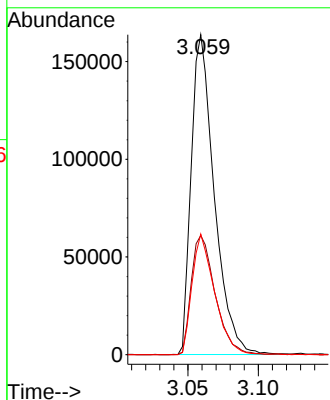
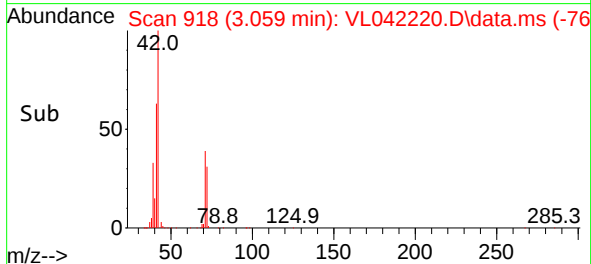
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



Tgt Ion: 42 Resp: 186669
Ion Ratio Lower Upper
42 100
72 38.8 31.4 47.0
71 37.0 30.2 45.4

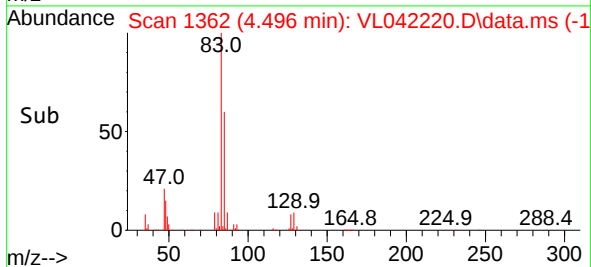
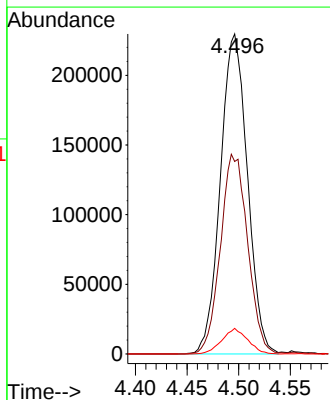
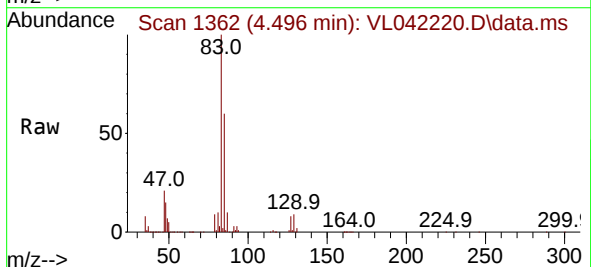
Manual Integrations
APPROVED

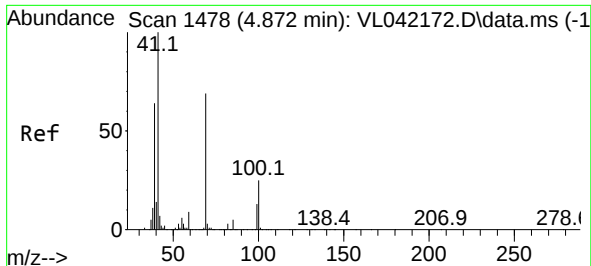
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#42
Bromodichloromethane
Concen: 10.485 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

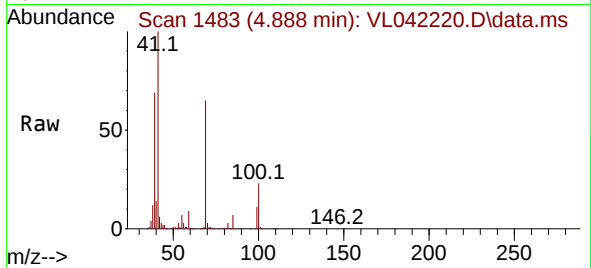
Tgt Ion: 83 Resp: 417630
Ion Ratio Lower Upper
83 100
85 60.1 50.5 75.7
127 8.0 5.9 8.9





#43
Methyl Methacrylate
Concen: 8.578 ppbv
RT: 4.888 min Scan# 1478
Delta R.T. 0.016 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

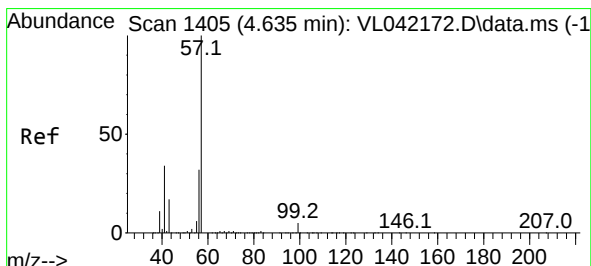
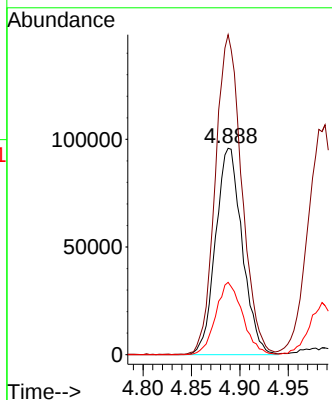
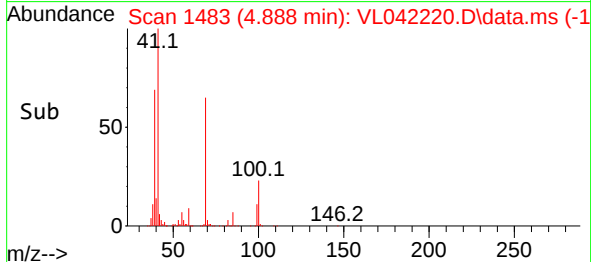
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



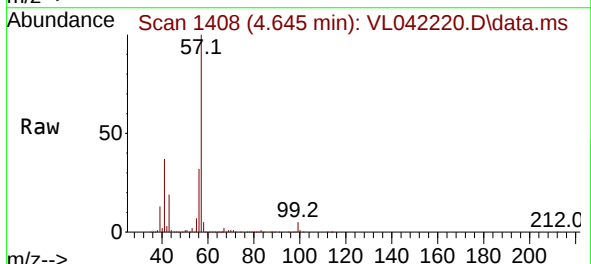
Tgt Ion: 69 Resp: 183270
Ion Ratio Lower Upper
69 100
41 154.2 123.8 185.6
100 35.4 28.4 42.6

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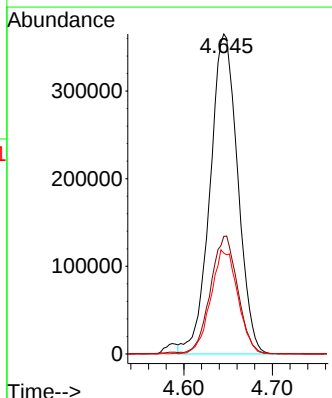
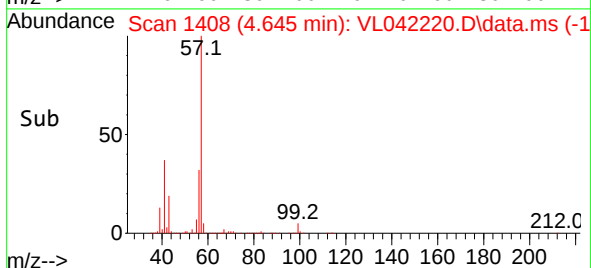
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

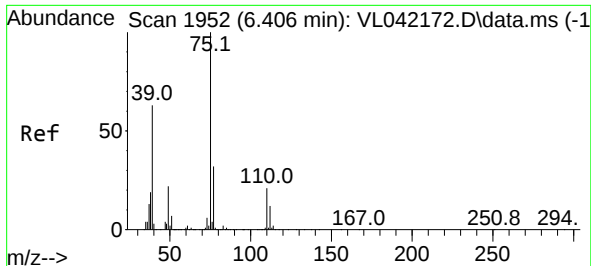


#44
2,2,4-Trimethylpentane
Concen: 9.292 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



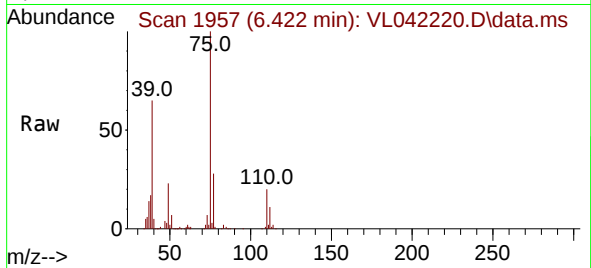
Tgt Ion: 57 Resp: 792460
Ion Ratio Lower Upper
57 100
41 36.7 26.8 40.2
56 32.1 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 8.196 ppbv
RT: 6.422 min Scan# 1952
Delta R.T. 0.016 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

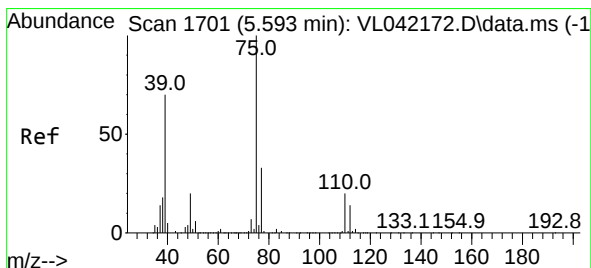
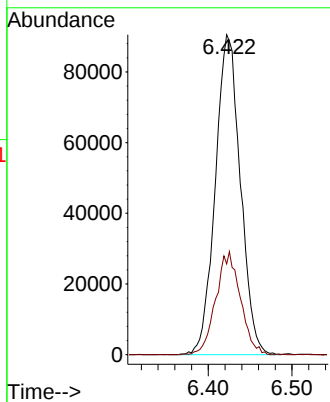
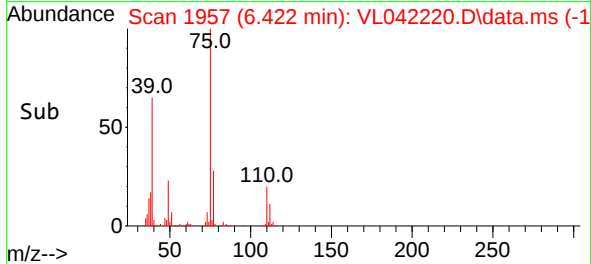
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



Tgt Ion: 75 Resp: 18787
Ion Ratio Lower Upper
75 100
77 28.4 26.0 39.0

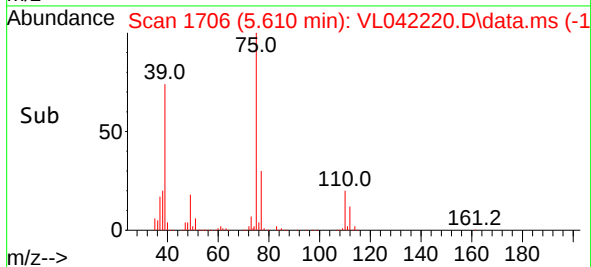
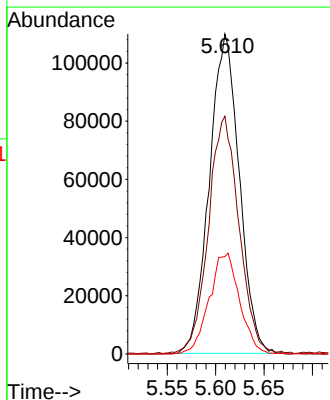
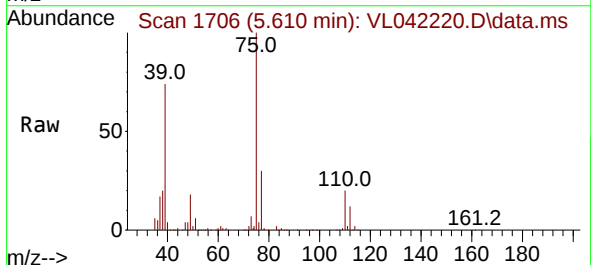
Manual Integrations
APPROVED

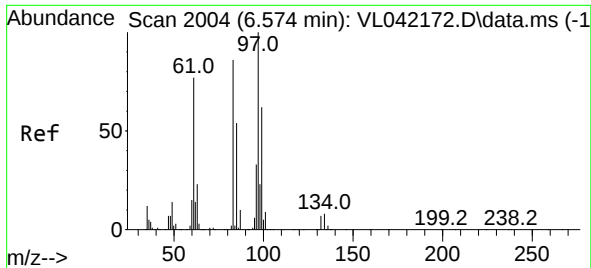
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#46
cis-1,3-Dichloropropene
Concen: 8.378 ppbv
RT: 5.610 min Scan# 1706
Delta R.T. 0.016 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

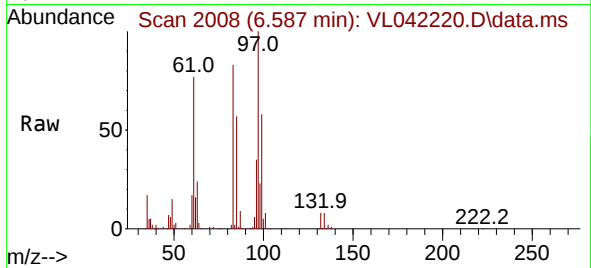
Tgt Ion: 75 Resp: 235408
Ion Ratio Lower Upper
75 100
39 73.8 55.8 83.6
77 30.3 26.0 39.0





#47
 1,1,2-Trichloroethane
 Concen: 9.926 ppbv
 RT: 6.587 min Scan# 2004
 Delta R.T. 0.013 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

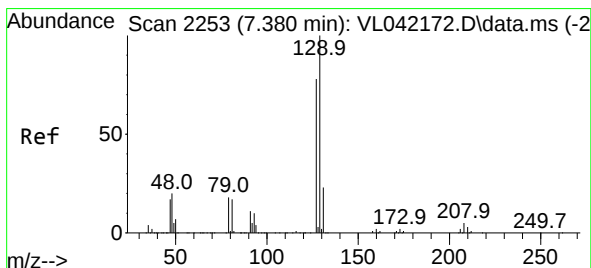
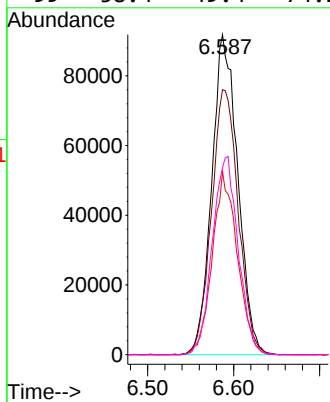
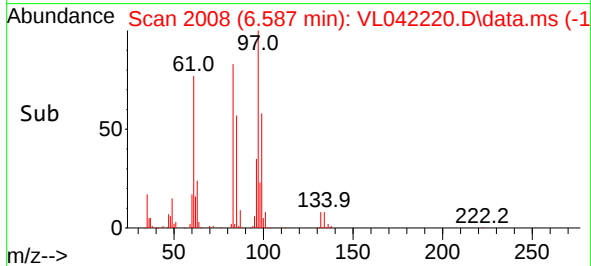
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01



Tgt Ion: 97 Resp: 192840
 Ion Ratio Lower Upper
 97 100
 83 82.8 69.2 103.8
 85 57.2 43.1 64.7
 99 58.4 49.4 74.2

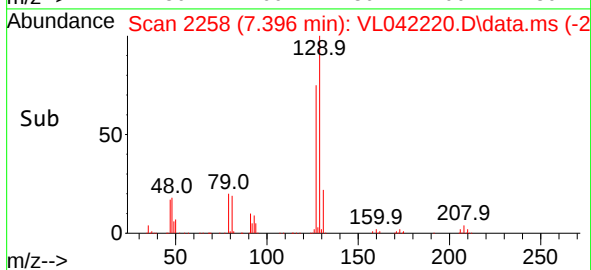
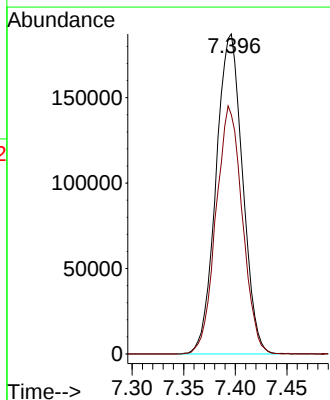
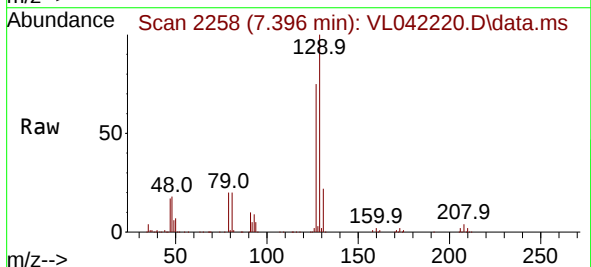
Manual Integrations
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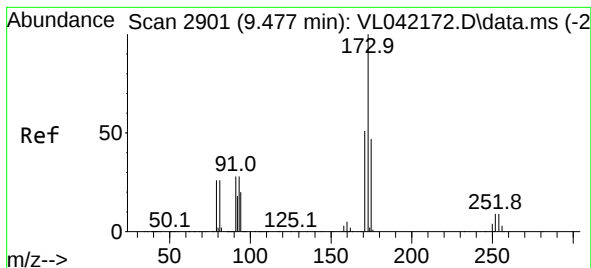
Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#48
 Dibromochloromethane
 Concen: 10.171 ppbv
 RT: 7.396 min Scan# 2258
 Delta R.T. 0.016 min
 Lab File: VL042220.D
 Acq: 04 Apr 2025 11:55

Tgt Ion:129 Resp: 334902
 Ion Ratio Lower Upper
 129 100
 127 77.2 39.1 117.2





#49

Bromoform

Concen: 9.923 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.013 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

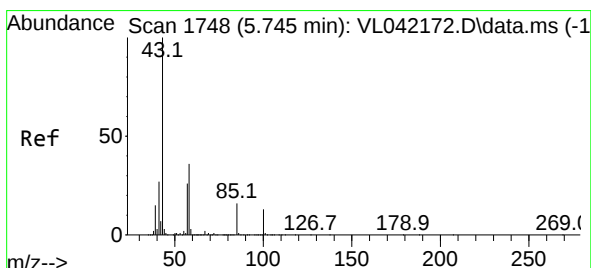
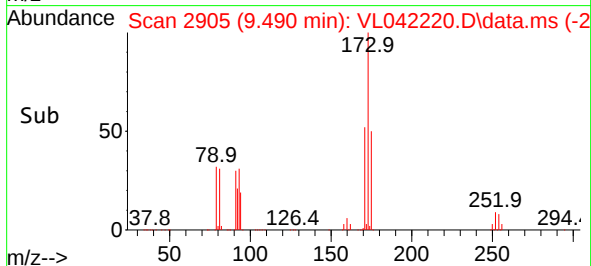
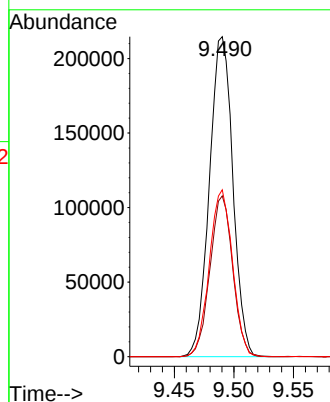
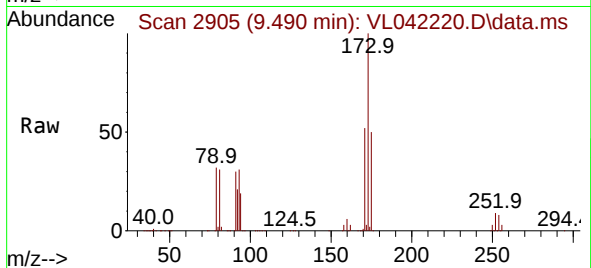
VL0404ABS01

Tgt Ion:173 Resp: 29333
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.6 57.8
 171 51.6 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#50

4-Methyl-2-Pentanone

Concen: 8.441 ppbv

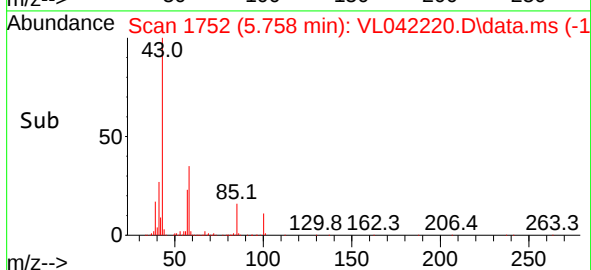
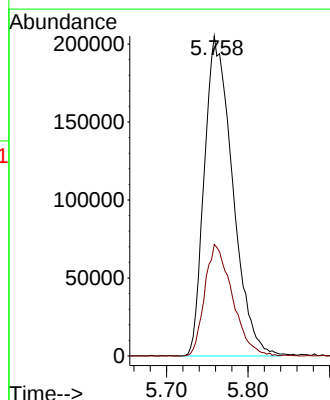
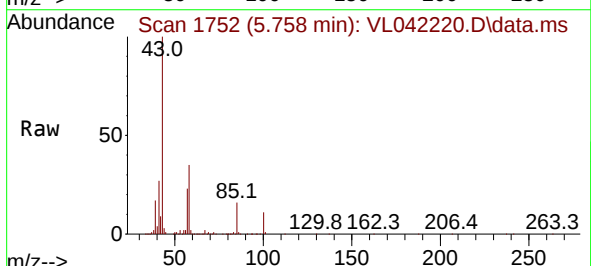
RT: 5.758 min Scan# 1752

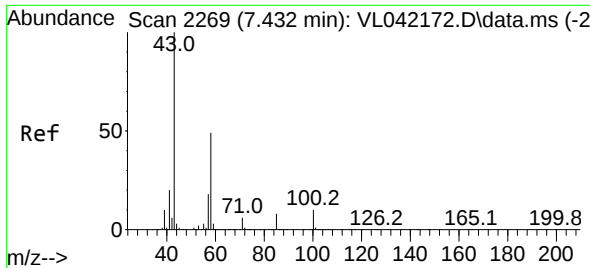
Delta R.T. 0.013 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

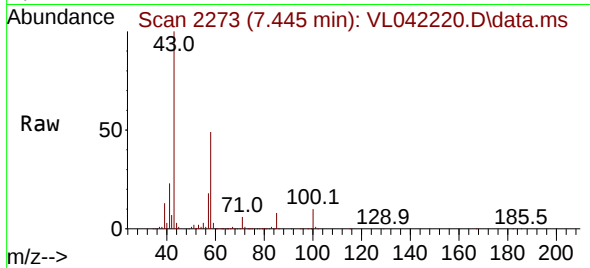
Tgt Ion: 43 Resp: 493794
 Ion Ratio Lower Upper
 43 100
 58 34.2 29.0 43.6





#51
2-Hexanone
Concen: 8.196 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

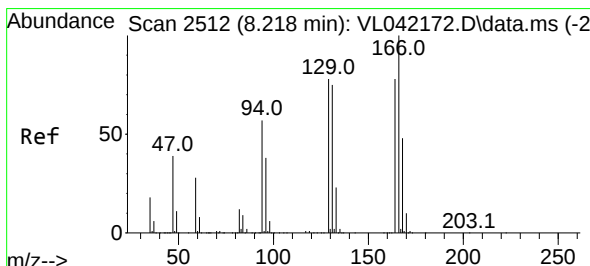
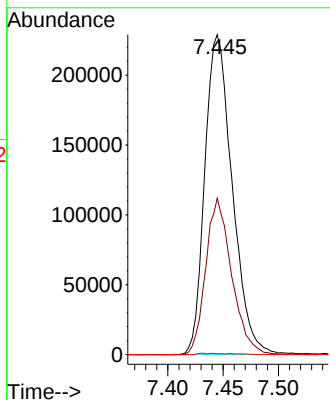
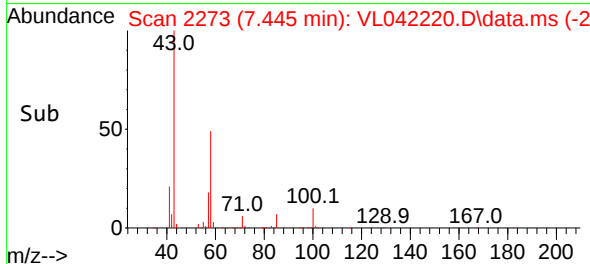
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



Tgt Ion: 43 Resp: 393710
Ion Ratio Lower Upper
43 100
58 46.5 39.7 59.5
98 0.6 0.1 0.1

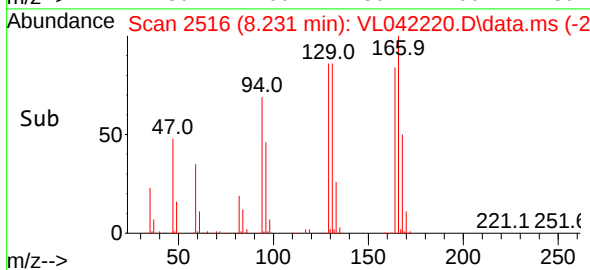
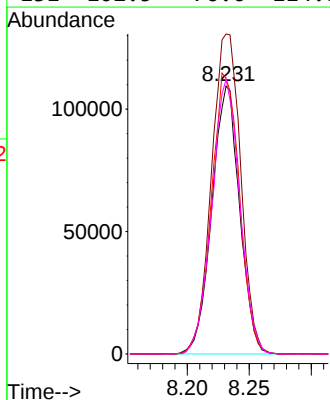
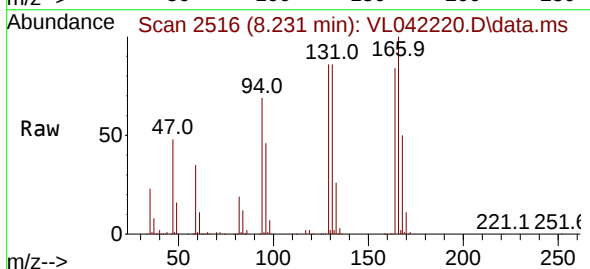
Manual Integrations
APPROVED

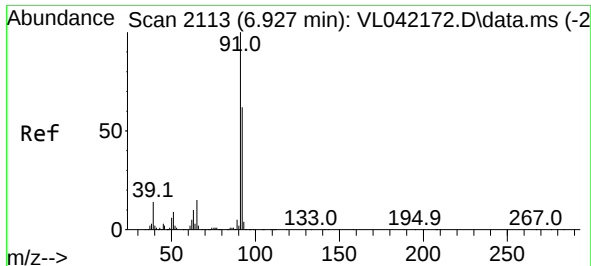
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#52
Tetrachloroethene
Concen: 8.514 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion:164 Resp: 170397
Ion Ratio Lower Upper
164 100
166 119.5 102.5 153.7
129 103.0 79.8 119.8
131 102.5 76.6 114.8





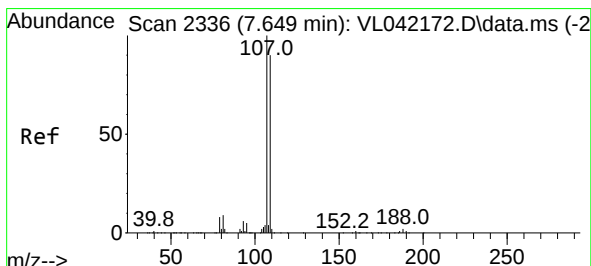
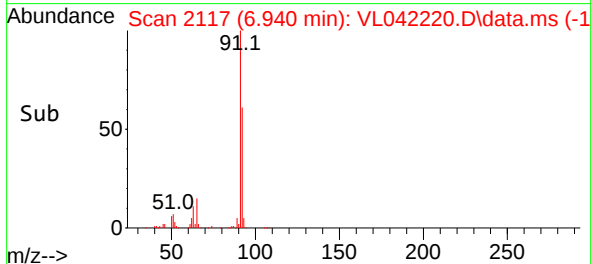
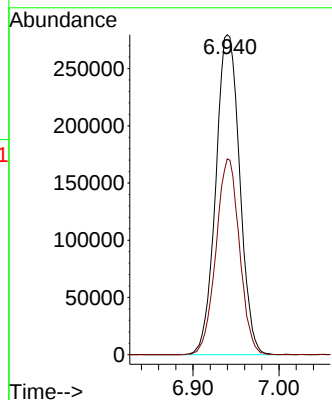
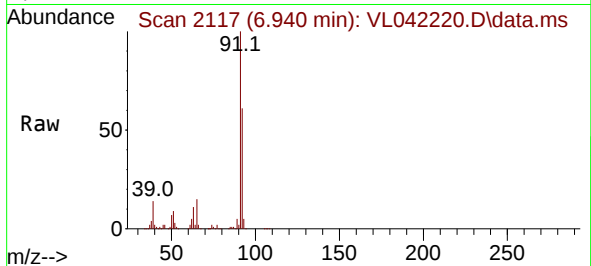
#53
Toluene
Concen: 9.041 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 91 Resp: 54086
Ion Ratio Lower Upper
91 100
92 60.0 48.4 72.6

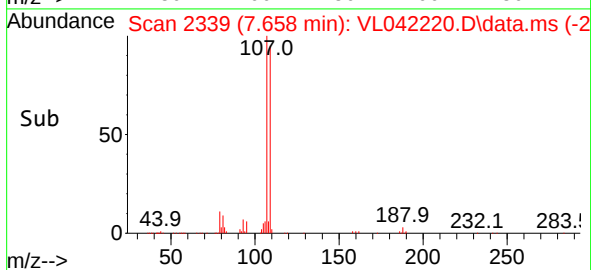
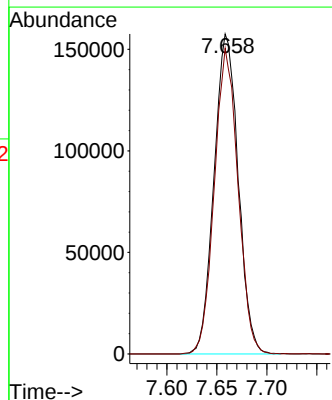
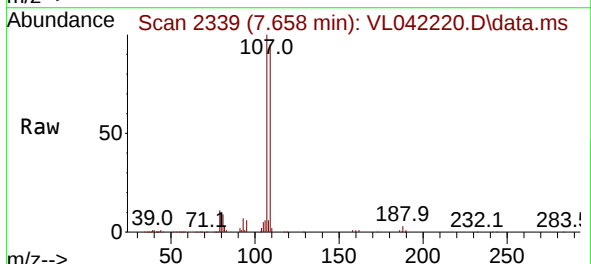
Manual Integrations
APPROVED

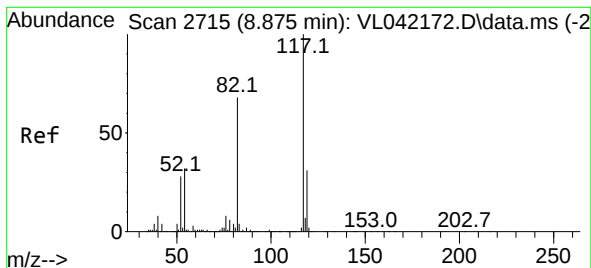
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#54
1,2-Dibromoethane
Concen: 9.786 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion:107 Resp: 265033
Ion Ratio Lower Upper
107 100
109 95.5 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.013 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

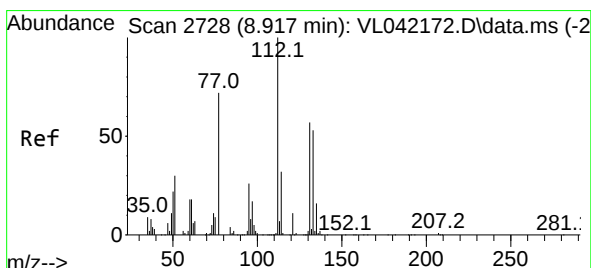
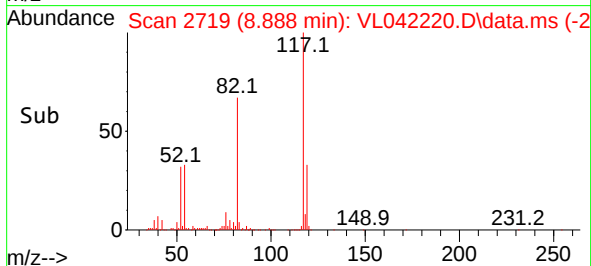
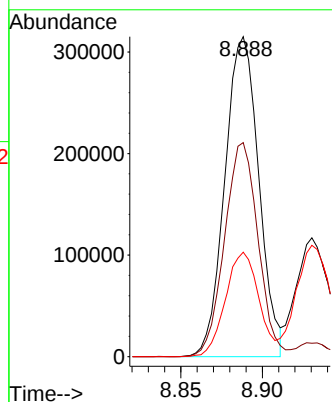
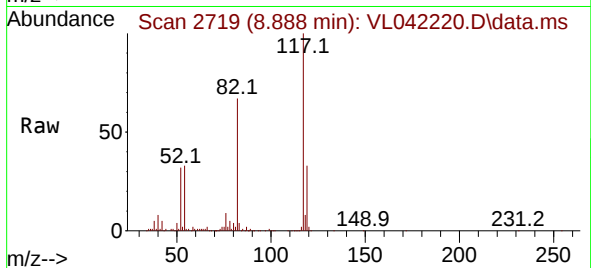
VL0404ABS01

Tgt Ion:	117	Resp:	456962
Ion Ratio	Lower	Upper	
117	100		
82	70.1	55.8	83.6
119	32.8	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.724 ppbv

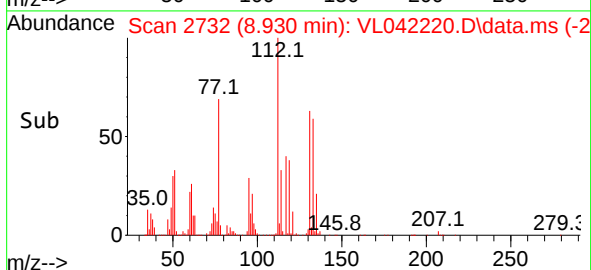
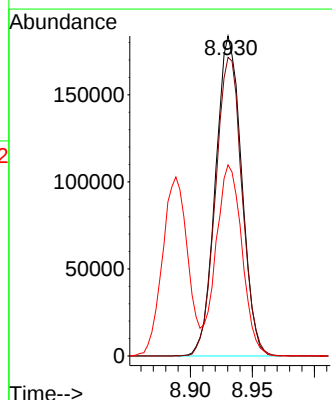
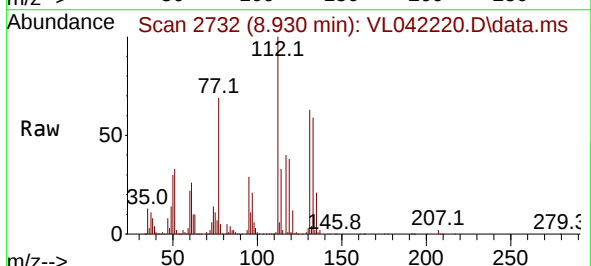
RT: 8.930 min Scan# 2732

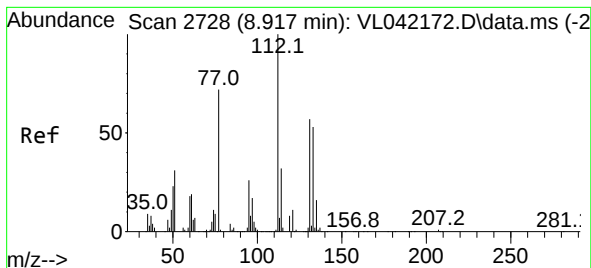
Delta R.T. 0.013 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion:	131	Resp:	269744
Ion Ratio	Lower	Upper	
131	100		
133	95.1	76.6	114.8
119	61.0	49.8	74.6





#57

Chlorobenzene

Concen: 10.085 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

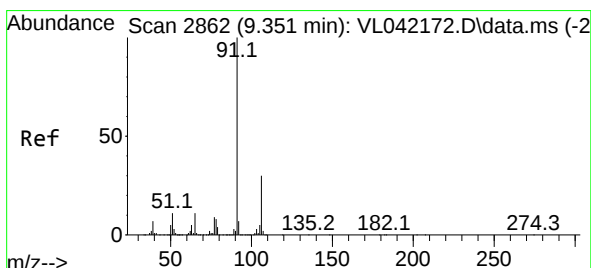
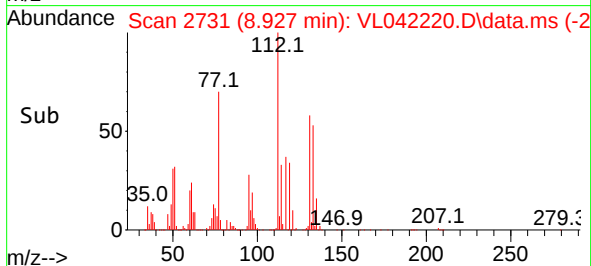
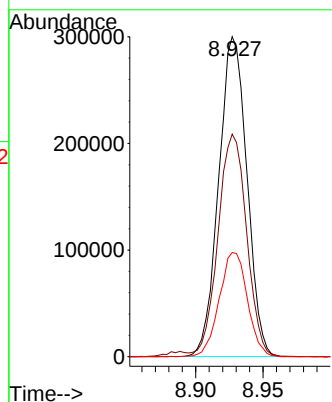
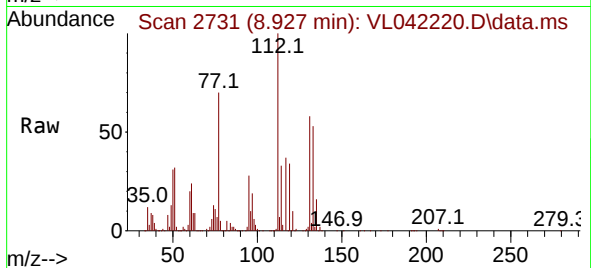
VL0404ABS01

Tgt Ion:112	Resp: 437108
Ion Ratio	Lower Upper
112 100	
77 69.4	58.2 87.2
114 32.6	29.1 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#58

Ethyl Benzene

Concen: 9.753 ppbv

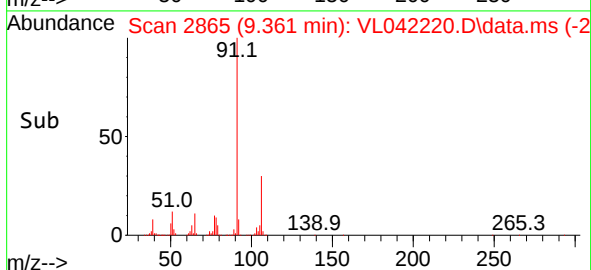
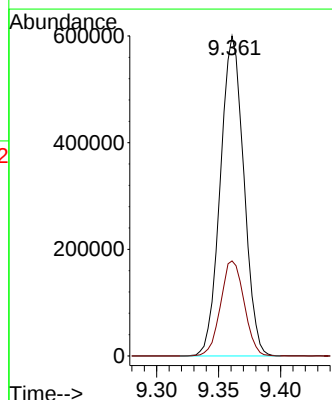
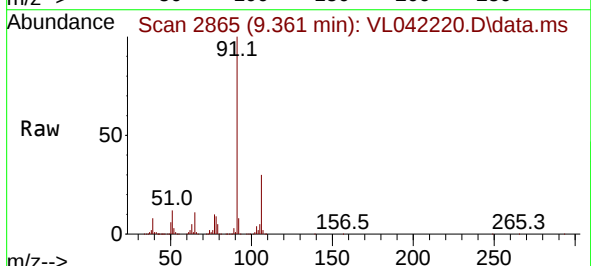
RT: 9.361 min Scan# 2865

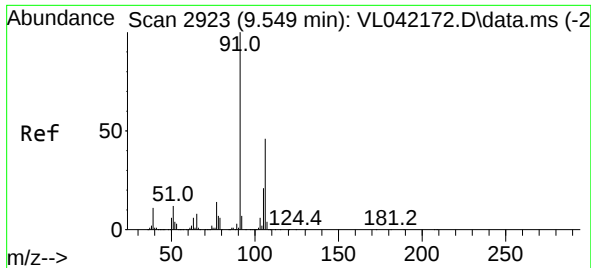
Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion: 91	Resp: 791626
Ion Ratio	Lower Upper
91 100	
106 29.7	24.2 36.2





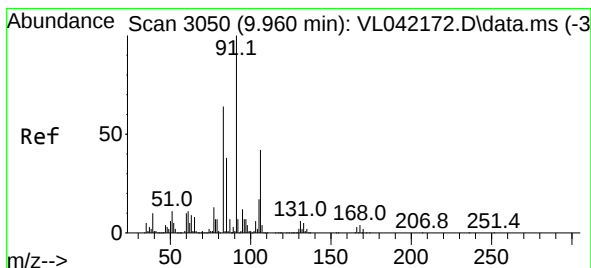
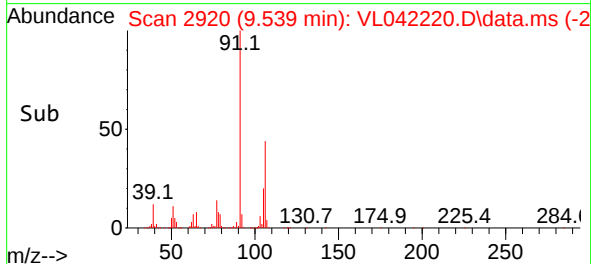
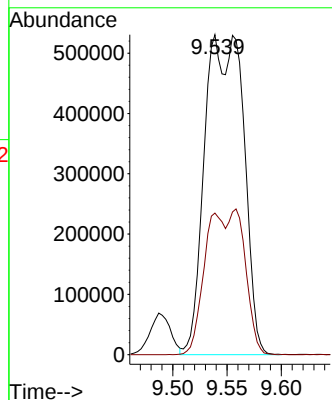
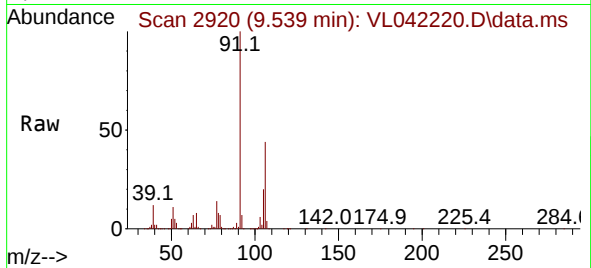
#59
m/p-Xylene
Concen: 20.400 ppbv m
RT: 9.539 min Scan# 2923
Delta R.T. -0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01

Tgt Ion: 91 Resp: 1322210
Ion Ratio Lower Upper
91 100
106 45.7 36.4 54.6

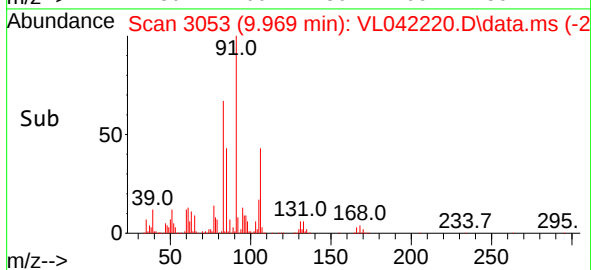
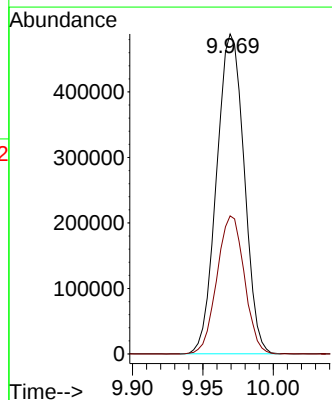
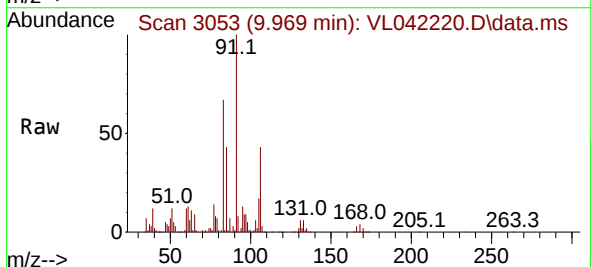
Manual Integrations
APPROVED

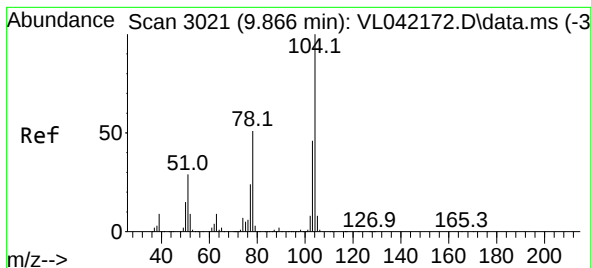
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#60
o-Xylene
Concen: 10.236 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

Tgt Ion: 91 Resp: 665062
Ion Ratio Lower Upper
91 100
106 43.0 20.8 62.5





#61

Styrene

Concen: 9.470 ppbv

RT: 9.875 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

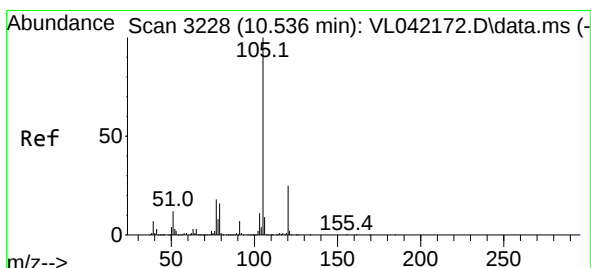
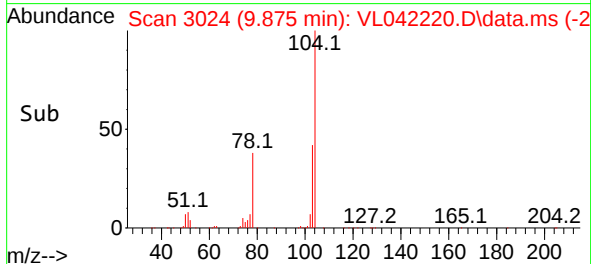
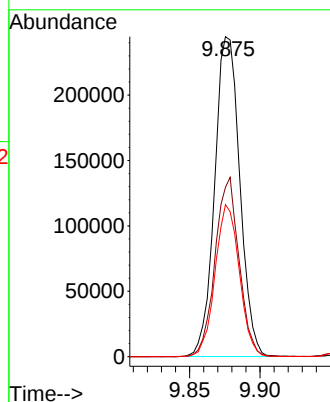
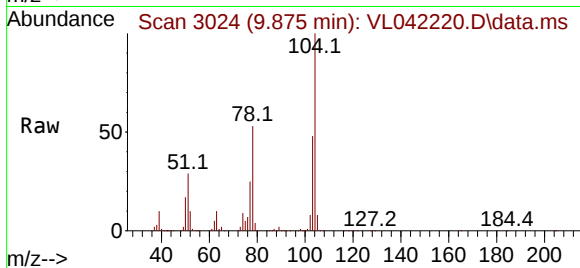
VL0404ABS01

Tgt Ion:104 Resp: 304392
 Ion Ratio Lower Upper
 104 100
 78 53.3 41.8 62.6
 103 46.0 37.0 55.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/07/2025
 Supervised By :Mahesh Dadoda 04/08/2025



#62

Isopropylbenzene

Concen: 10.383 ppbv

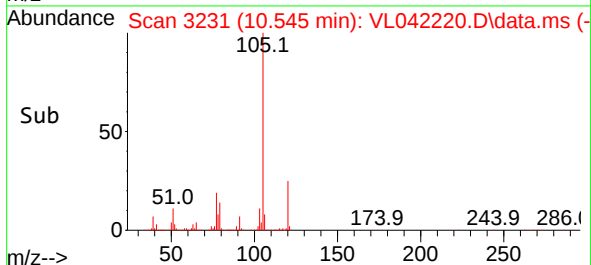
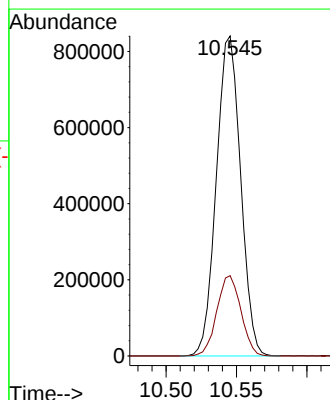
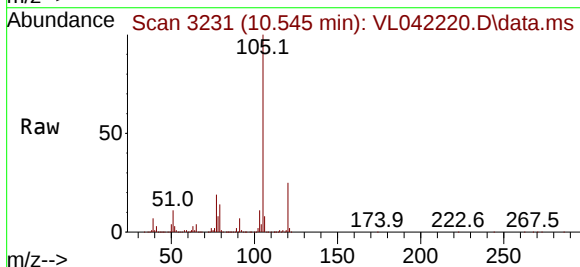
RT: 10.545 min Scan# 3231

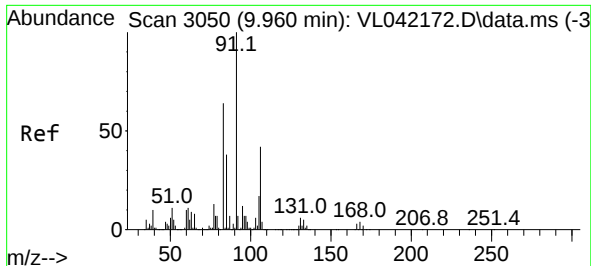
Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

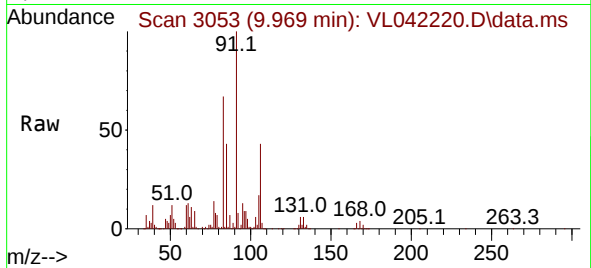
Tgt Ion:105 Resp: 1008886
 Ion Ratio Lower Upper
 105 100
 120 24.9 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 10.694 ppbv
RT: 9.969 min Scan# 3050
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

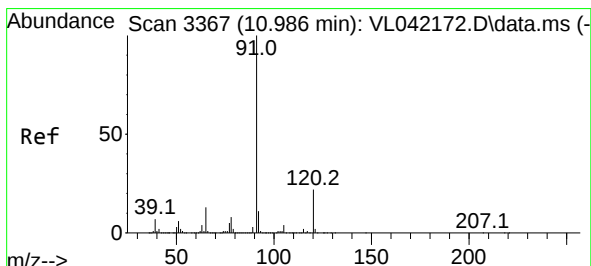
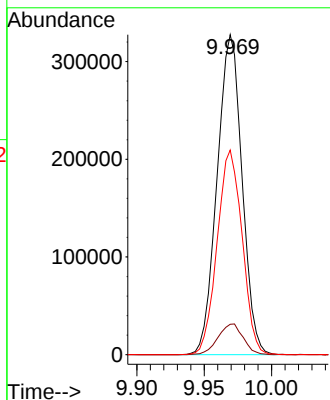
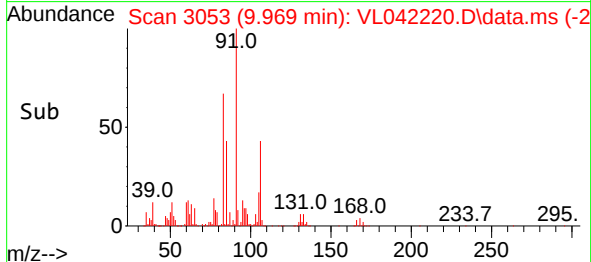
Instrument : MSVOA_L
ClientSampleId : VL0404ABS01



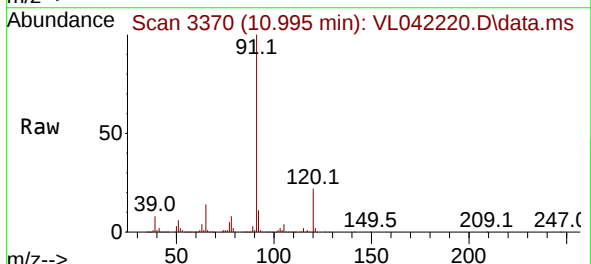
Tgt Ion: 83 Resp: 422180
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 64.0 32.5 97.5

Manual Integrations
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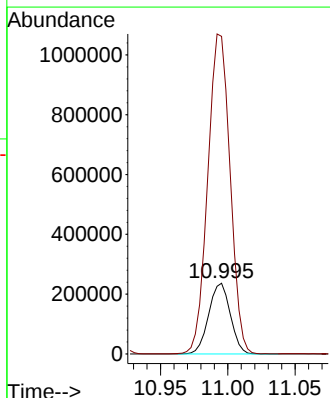
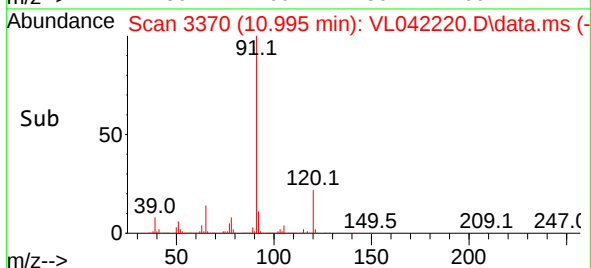
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

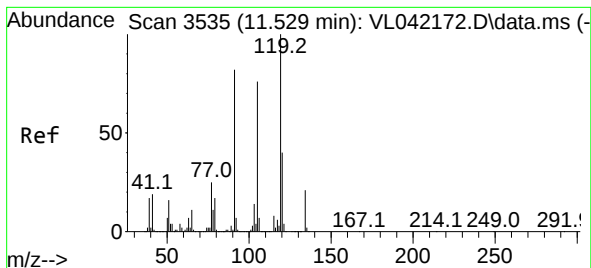


#64
n-propylbenzene
Concen: 10.543 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



Tgt Ion:120 Resp: 263691
Ion Ratio Lower Upper
120 100
91 468.0 376.9 565.3





#65

tert-Butylbenzene

Concen: 10.252 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

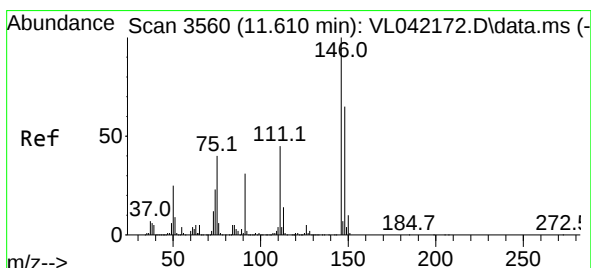
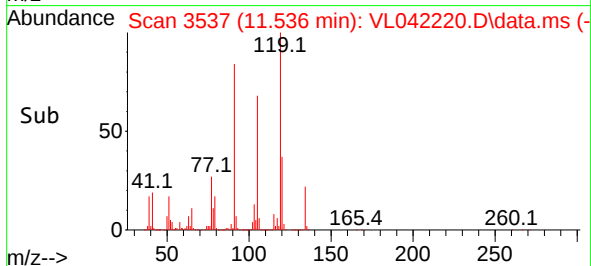
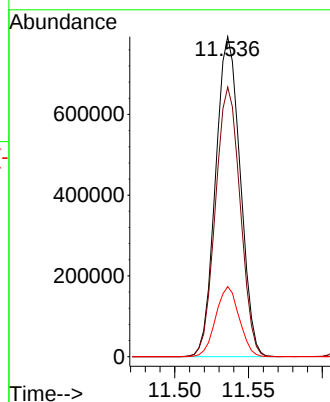
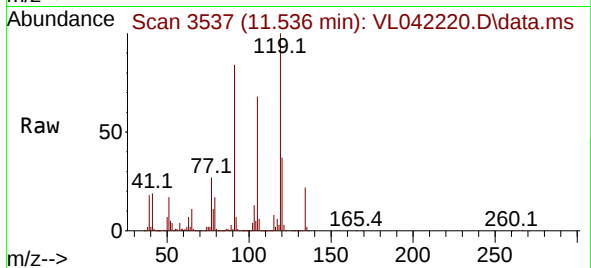
VL0404ABS01

Tgt Ion:	119	Resp:	92128
Ion Ratio	Lower	Upper	
119	100		
91	84.4	66.0	99.0
134	20.9	16.7	25.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#66

Benzyl Chloride

Concen: 6.872 ppbv

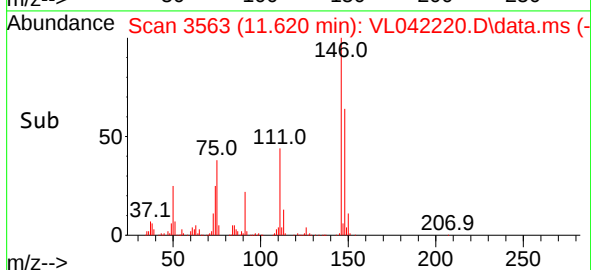
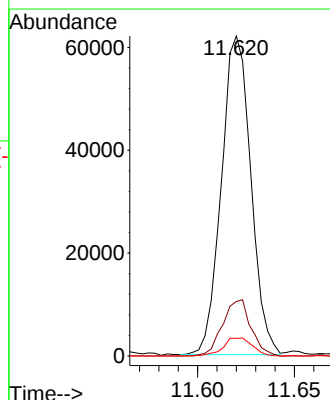
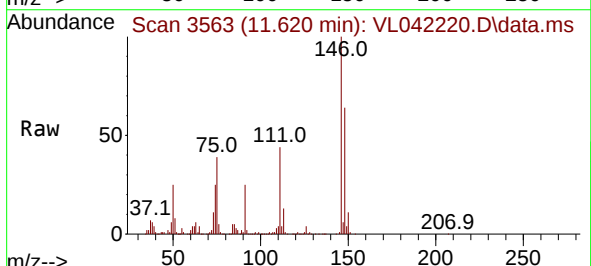
RT: 11.620 min Scan# 3563

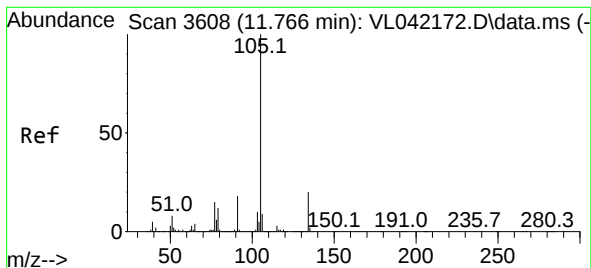
Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion:	91	Resp:	65520
Ion Ratio	Lower	Upper	
91	100		
126	16.9	13.8	20.6
128	5.6	4.5	6.7





#67

sec-Butylbenzene

Concen: 10.379 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01

Tgt Ion:105 Resp: 1296409

Ion Ratio Lower Upper

105 100

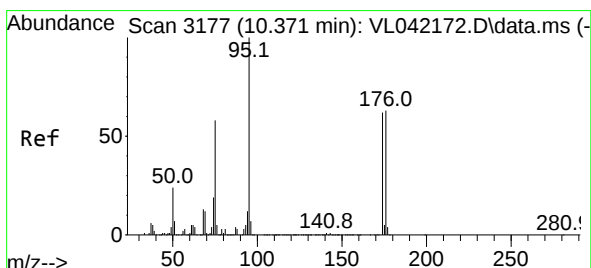
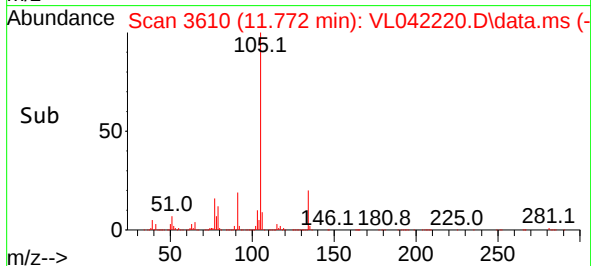
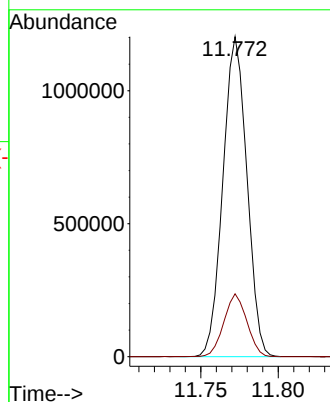
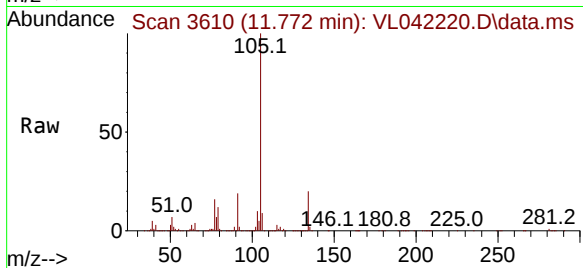
134 18.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.234 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

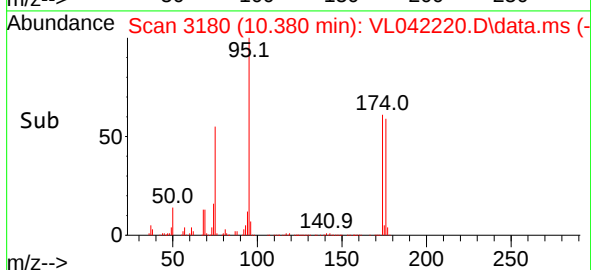
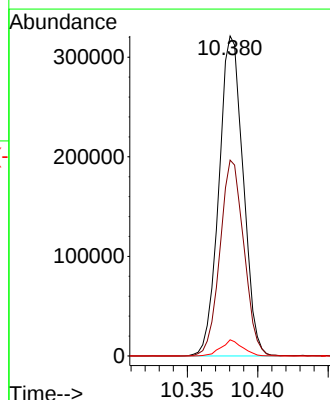
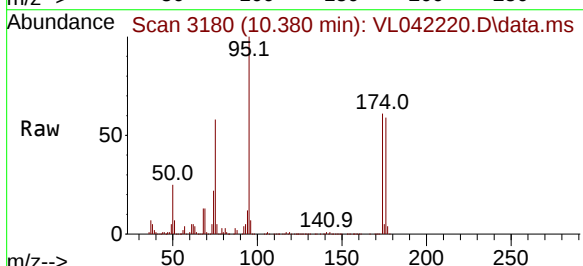
Tgt Ion: 95 Resp: 384044

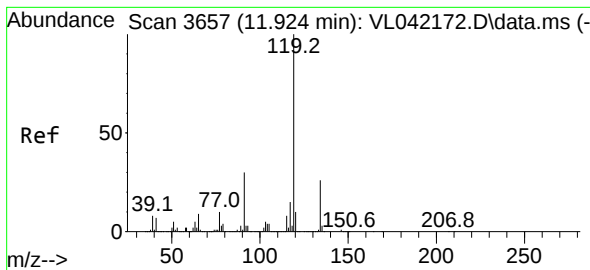
Ion Ratio Lower Upper

95 100

174 60.6 50.6 76.0

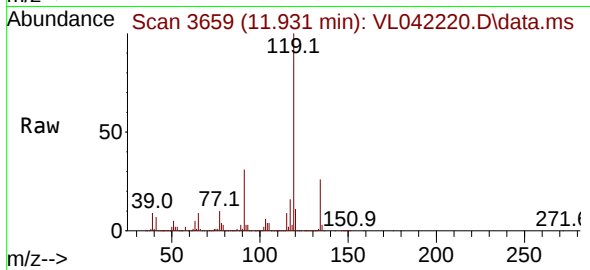
175 4.4 3.8 5.6





#69
p-Isopropyltoluene
Concen: 10.410 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

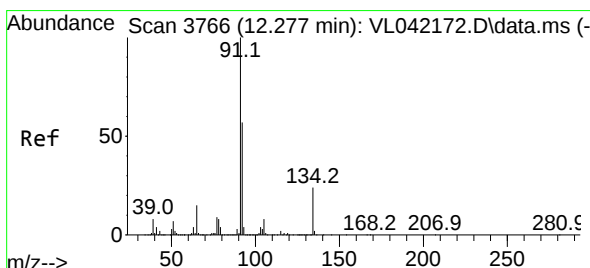
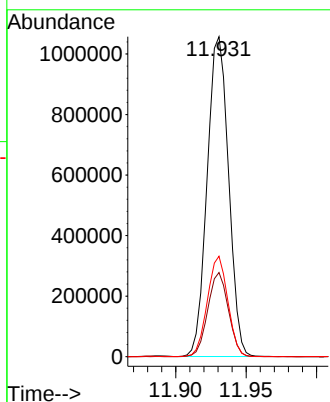
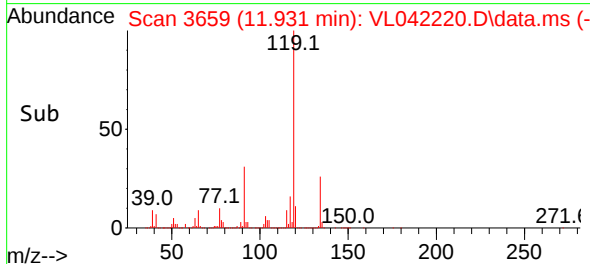
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



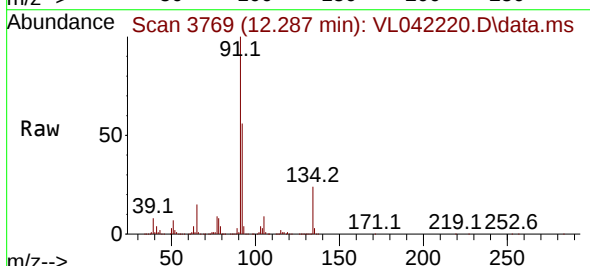
Tgt Ion:119 Resp: 1119570
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 29.9 23.7 35.5

Manual Integrations
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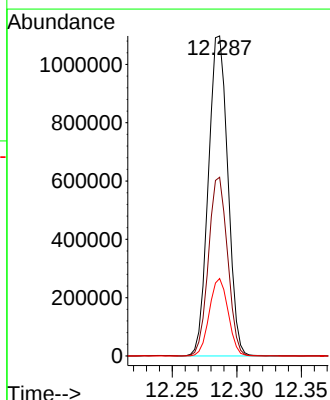
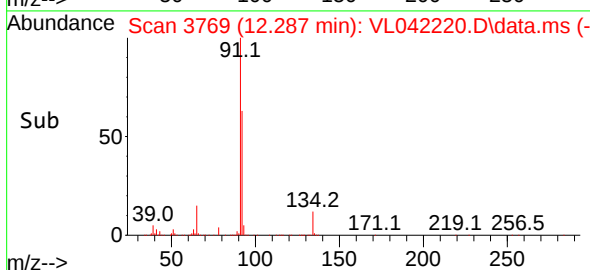
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

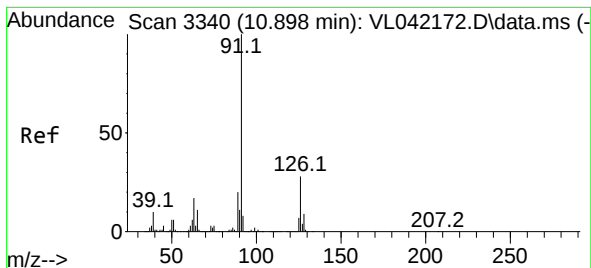


#70
n-Butylbenzene
Concen: 10.453 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



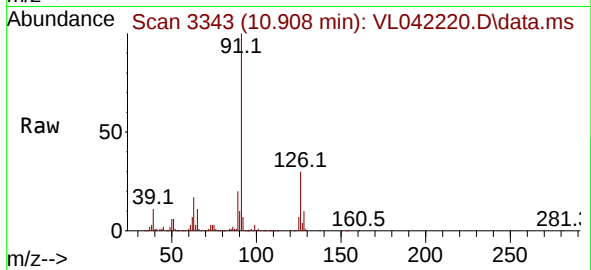
Tgt Ion: 91 Resp: 1149751
Ion Ratio Lower Upper
91 100
92 55.0 44.9 67.3
134 23.4 19.2 28.8





#71
2-Chlorotoluene
Concen: 10.312 ppbv
RT: 10.908 min Scan# 3411
Delta R.T. 0.010 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

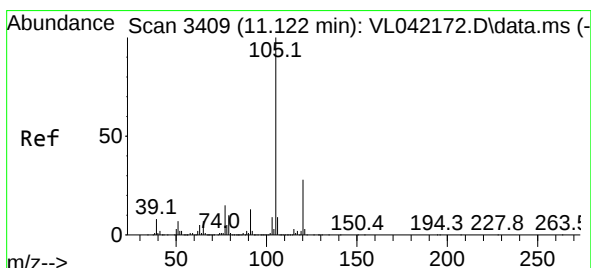
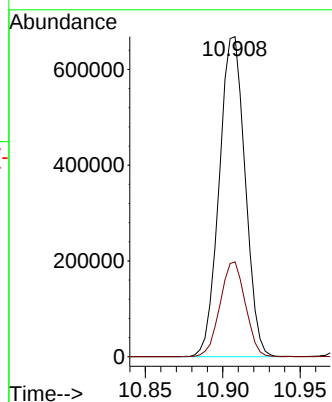
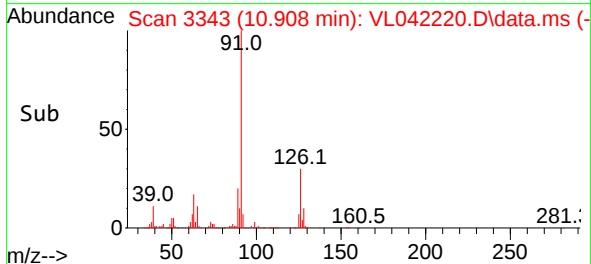
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



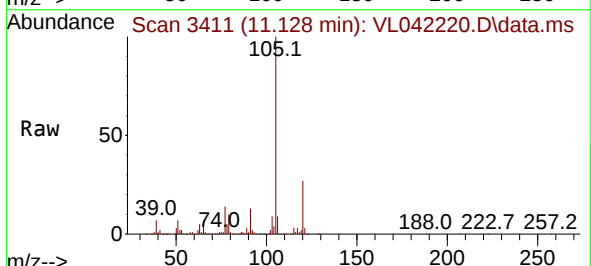
Tgt Ion: 91 Resp: 77763
Ion Ratio Lower Upper
91 100
126 28.9 11.6 46.4

Manual Integrations
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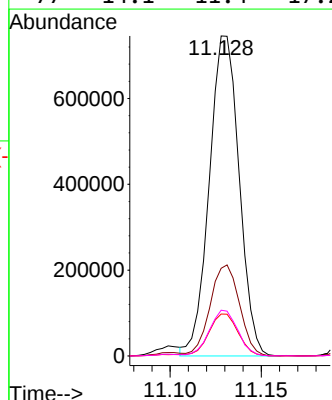
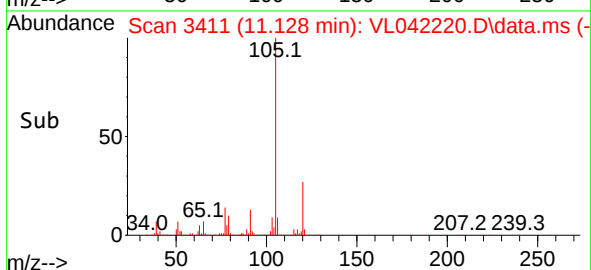
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

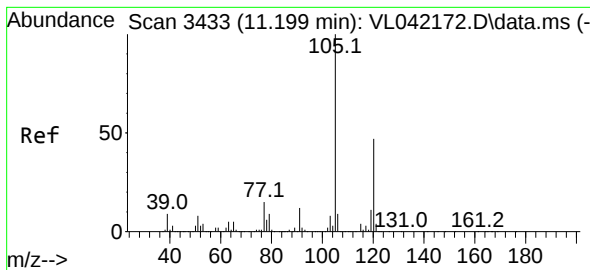


#72
4-Ethyltoluene
Concen: 10.511 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



Tgt Ion:105 Resp: 850373
Ion Ratio Lower Upper
105 100
120 28.9 23.4 35.0
91 13.3 10.3 15.5
77 14.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.437 ppbv

RT: 11.209 min Scan# 3433

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01

Tgt Ion:105 Resp: 73739

Ion Ratio Lower Upper

105 100

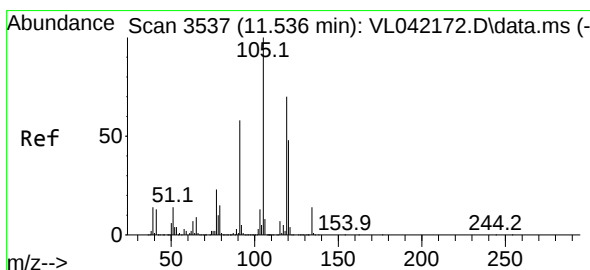
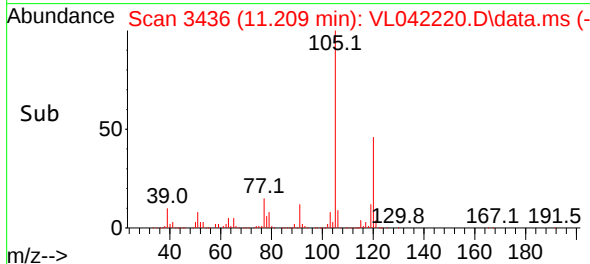
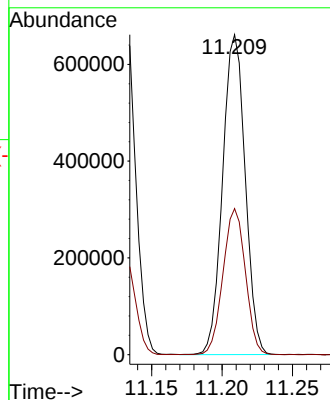
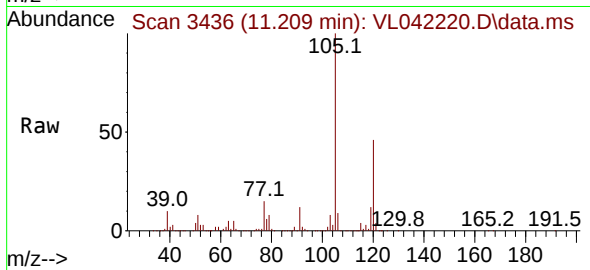
120 45.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.037 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion:105 Resp: 816996

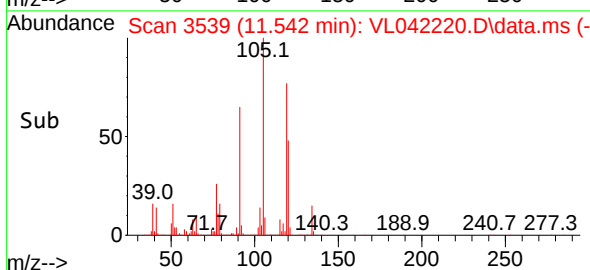
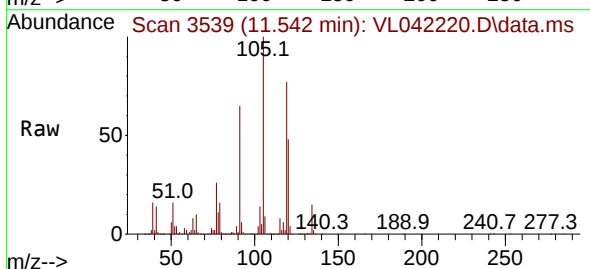
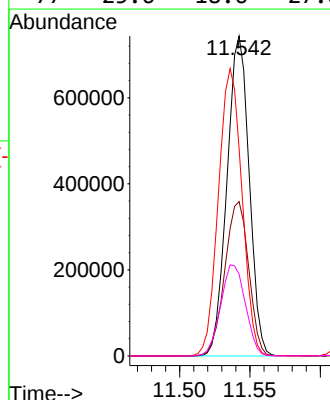
Ion Ratio Lower Upper

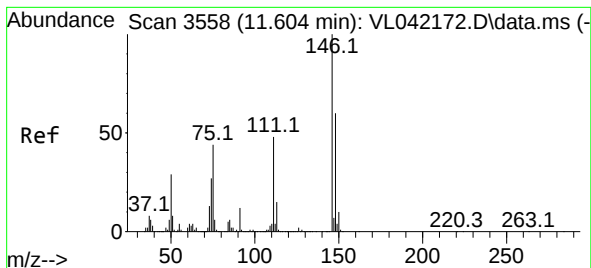
105 100

120 48.3 38.6 58.0

91 65.0 46.2 69.2

77 25.6 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.658 ppbv

RT: 11.613 min Scan# 3558

Delta R.T. 0.010 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

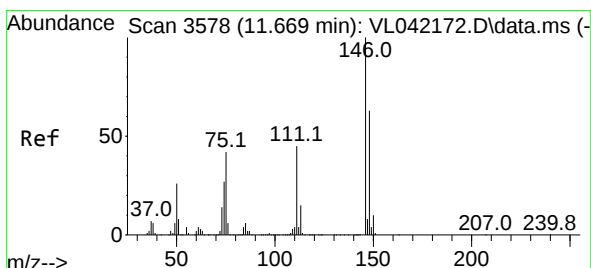
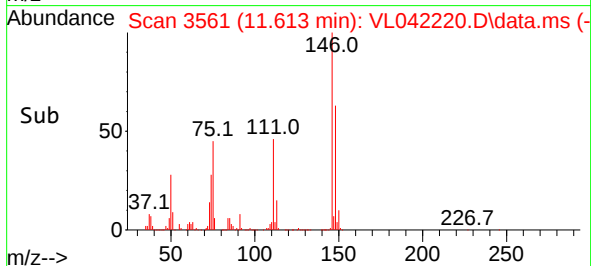
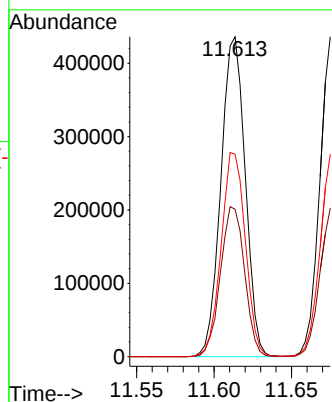
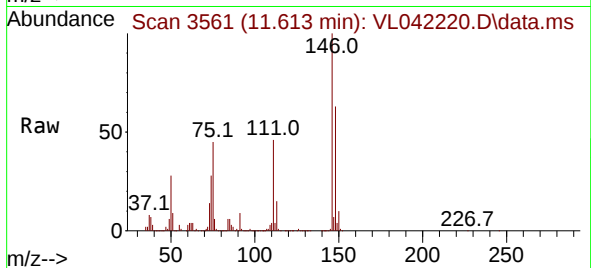
VL0404ABS01

Tgt Ion:	146	Resp:	475804
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.8	71.2
148	63.5	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025



#76

1,4-Dichlorobenzene

Concen: 10.654 ppbv

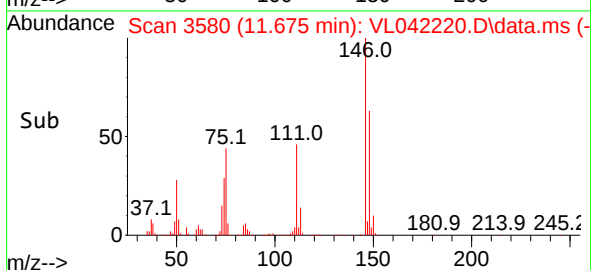
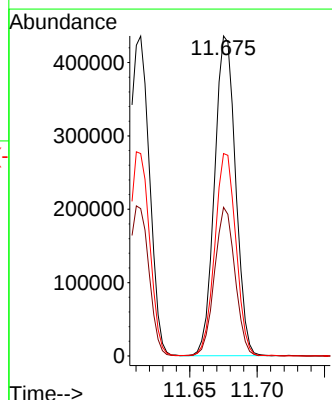
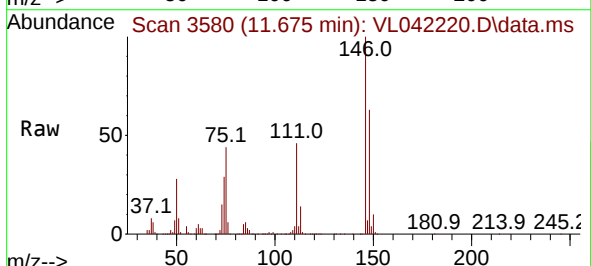
RT: 11.675 min Scan# 3580

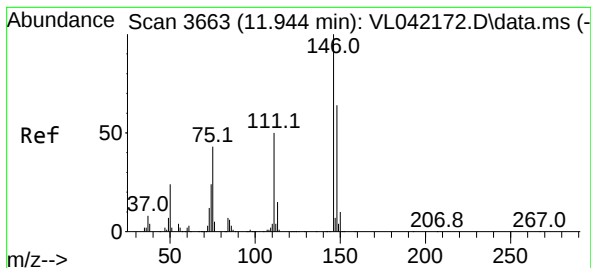
Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Tgt Ion:	146	Resp:	473366
Ion Ratio	Lower	Upper	
146	100		
111	45.3	23.0	69.0
148	63.8	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 10.833 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01

Tgt Ion:146 Resp: 47086

Ion Ratio Lower Upper

146 100

111 49.0 24.8 74.3

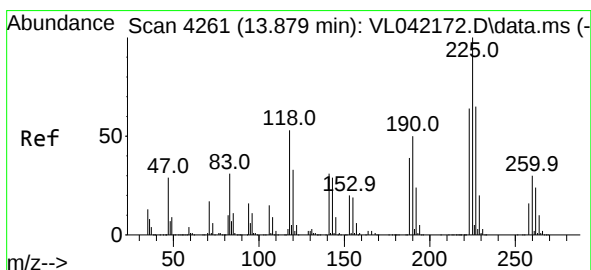
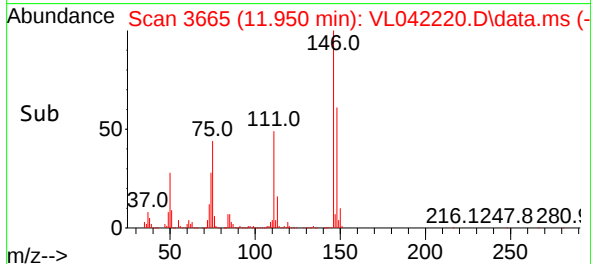
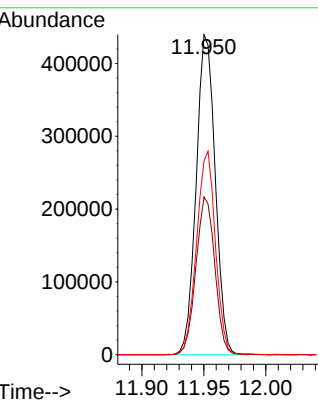
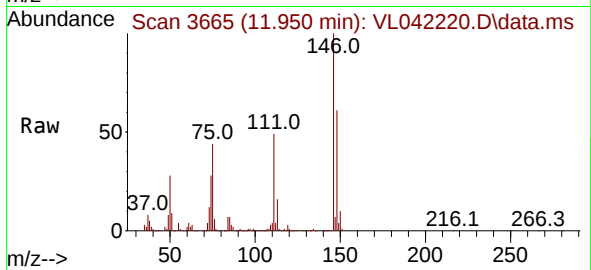
148 62.9 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.284 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.006 min

Lab File: VL042220.D

Acq: 04 Apr 2025 11:55

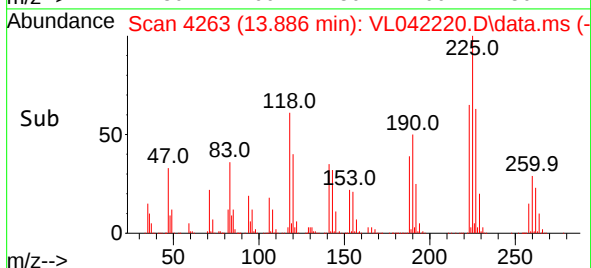
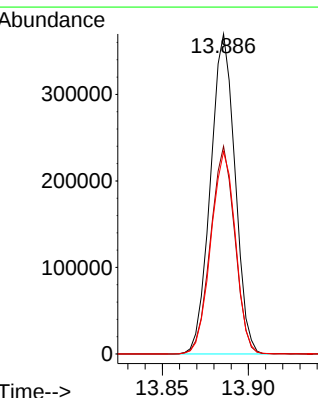
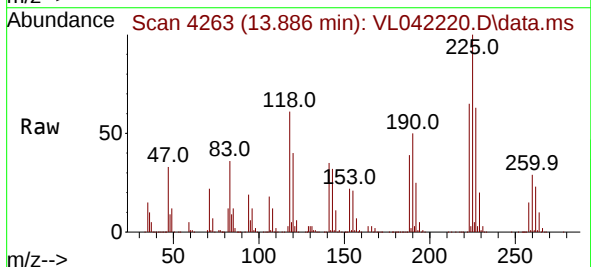
Tgt Ion:225 Resp: 366515

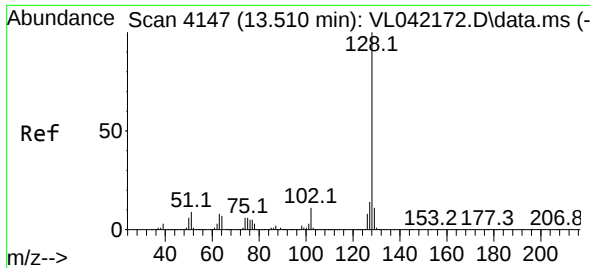
Ion Ratio Lower Upper

225 100

223 64.2 50.6 76.0

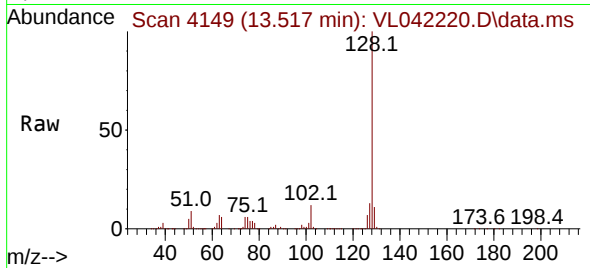
227 63.3 51.2 76.8





#79
Naphthalene
Concen: 9.460 ppbv
RT: 13.517 min Scan# 4147
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55

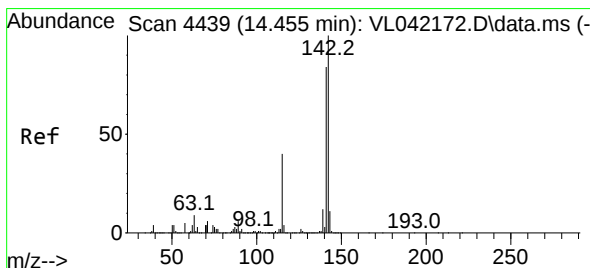
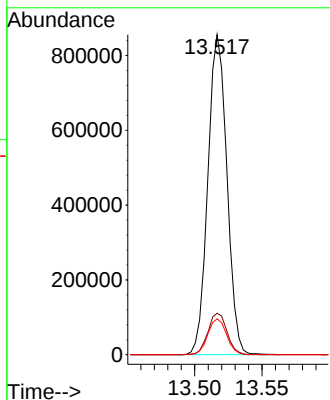
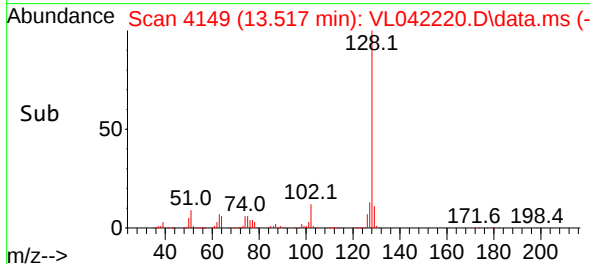
Instrument :
MSVOA_L
ClientSampleId :
VL0404ABS01



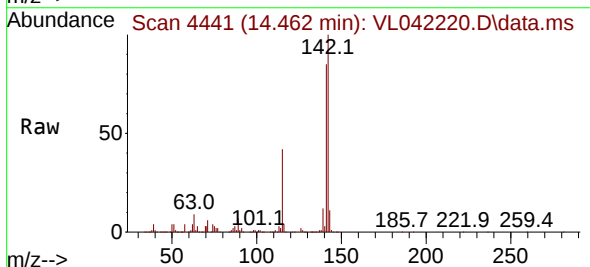
Tgt Ion:128 Resp: 842258
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.2 9.0 13.4

Manual Integrations
APPROVED

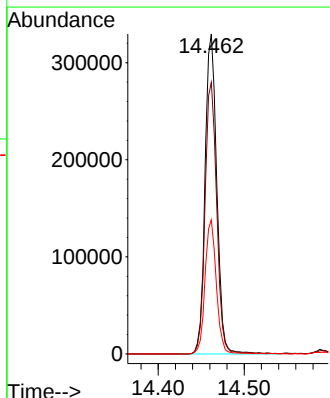
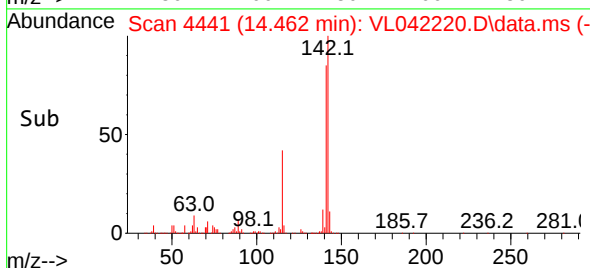
Reviewed By :Semsettin Yesilyurt 04/07/2025
Supervised By :Mahesh Dadoda 04/08/2025

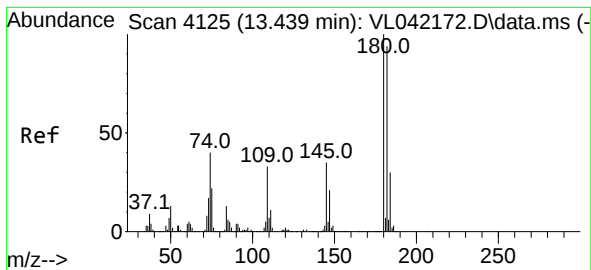


#80
Naphthalene,2-methyl-
Concen: 7.112 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.006 min
Lab File: VL042220.D
Acq: 04 Apr 2025 11:55



Tgt Ion:142 Resp: 310504
Ion Ratio Lower Upper
142 100
141 85.2 66.3 99.5
115 40.9 31.6 47.4





#81

1,2,4-Trichlorobenzene

Concen: 9.195 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042220.D

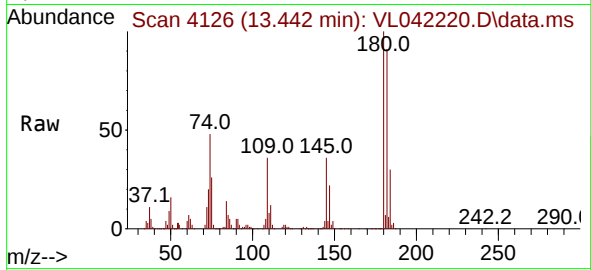
Acq: 04 Apr 2025 11:55

Instrument :

MSVOA_L

ClientSampleId :

VL0404ABS01



Tgt Ion:180 Resp: 377618

Ion Ratio Lower Upper

180 100

182 94.7 75.1 112.7

184 30.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/07/2025

Supervised By :Mahesh Dadoda 04/08/2025

