

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042733.D
 Acq On : 22 Jul 2025 16:32
 Operator : SY/MD
 Sample : VL0722ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:02:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 02:51:39 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	97823	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	290819	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	268264	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 225022 10.378 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	143536	9.399	ppbv	96
3) Chlorodifluoromethane	1.476	51	162590	9.414	ppbv	100
4) Chloromethane	1.534	50	59683	9.544	ppbv	98
5) Vinyl Chloride	1.583	62	50815	8.226	ppbv	96
6) Bromomethane	1.670	94	21272	8.509	ppbv	92
7) Chloroethane	1.706	64	20227	8.612	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	115022	8.930	ppbv	99
9) Propene	1.486	41	55388	9.039	ppbv	96
10) Heptane	4.981	43	157605	9.248	ppbv	98
11) Trichlorofluoromethane	1.877	101	143830	9.152	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	112187	9.123	ppbv	99
13) Ethanol	1.722	45	5737	5.565	ppbv	91
14) Bromoethene	1.784	108	39398	8.986	ppbv	100
15) Acetone	1.835	43	122258	7.464	ppbv	97
16) 1,3-Butadiene	1.612	39	60681	8.650	ppbv	99
17) tert-Butyl alcohol	2.043	59	137907	8.867	ppbv	98
18) 1,1-Dichloroethene	2.036	96	48434	9.262	ppbv	93
19) Isopropyl Alcohol	1.887	45	78421	9.034	ppbv	98
20) Methylene Chloride	2.062	84	42708	8.295	ppbv	92
21) Allyl Chloride	2.098	41	96083	9.151	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	54842	9.142	ppbv	87
23) Vinyl Acetate	2.463	43	178206	9.543	ppbv	98
24) 1,1-Dichloroethane	2.412	63	111347	9.281	ppbv	99
25) Ethyl Acetate	2.836	43	290508	9.611	ppbv	99
26) Hexane	2.829	57	126516	9.541	ppbv	99
27) Carbon Disulfide	2.153	76	133103	9.398	ppbv #	86
28) Methyl tert-Butyl Ether	2.441	73	82264	10.672	ppbv	95
29) Chloroform	2.852	83	208004	9.500	ppbv	99
30) Cyclohexane	3.858	84	109684	9.480	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	134759	9.439	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	219257	9.510	ppbv	99
34) 2-Butanone	2.557	43	192160	9.596	ppbv	99
35) Carbon Tetrachloride	3.764	117	224904	9.439	ppbv	94
36) Benzene	3.658	78	257369	9.526	ppbv	96
37) 1,2-Dichloroethane	3.221	62	172489	10.009	ppbv	99
38) Trichloroethene	4.551	130	120693	9.163	ppbv	94
39) 1,2-Dichloropropane	4.318	63	94386	9.382	ppbv	96
40) 1,4-Dioxane	4.583	88	43593	9.098	ppbv #	96
41) Tetrahydrofuran	3.056	42	100664	9.970	ppbv	98
42) Bromodichloromethane	4.493	83	228958	10.156	ppbv	100
43) Methyl Methacrylate	4.881	69	103186	9.942	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	427143	9.632	ppbv	98
45) t-1,3-Dichloropropene	6.422	75	125243	9.828	ppbv	100

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:02:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 02:51:39 2025

Response via : Initial Calibration

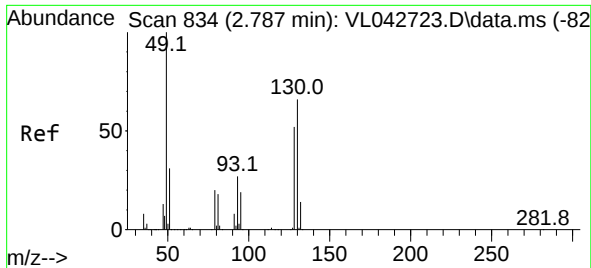
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	152104	10.034	ppbv	98
47) 1,1,2-Trichloroethane	6.584	97	102620	9.306	ppbv	95
48) Dibromochloromethane	7.393	129	185773	10.142	ppbv	99
49) Bromoform	9.490	173	166279	10.514	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	257624	9.816	ppbv	99
51) 2-Hexanone	7.438	43	210937	10.078	ppbv	99
52) Tetrachloroethene	8.231	164	100199	9.203	ppbv	99
53) Toluene	6.940	91	299782	9.841	ppbv	100
54) 1,2-Dibromoethane	7.658	107	153862	9.376	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.930	131	139123	9.626	ppbv	98
57) Chlorobenzene	8.924	112	237132	9.280	ppbv	97
58) Ethyl Benzene	9.357	91	430280	9.601	ppbv	100
59) m/p-Xylene	9.555	91	698653m	19.489	ppbv	
60) o-Xylene	9.969	91	349644	9.660	ppbv	100
61) Styrene	9.875	104	155696	9.986	ppbv	99
62) Isopropylbenzene	10.542	105	506806	9.418	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	188186	9.093	ppbv	99
64) n-propylbenzene	10.992	120	129876	9.568	ppbv	99
65) tert-Butylbenzene	11.536	119	454274	9.434	ppbv	100
66) Benzyl Chloride	11.620	91	49022	10.703	ppbv	97
67) sec-Butylbenzene	11.769	105	639426	9.667	ppbv	100
69) p-Isopropyltoluene	11.927	119	544843	9.835	ppbv	100
70) n-Butylbenzene	12.283	91	548863	10.366	ppbv	99
71) 2-Chlorotoluene	10.904	91	390805	9.581	ppbv	99
72) 4-Ethyltoluene	11.128	105	435847	10.097	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	364240	10.202	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	394467	10.071	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	247613	9.453	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	250979	9.905	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	238567	9.500	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	203981	8.345	ppbv	99
79) Naphthalene	13.516	128	397198	13.555	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	195754	20.301	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219493	12.282	ppbv	100

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

Manual Integrations

Quant Time: Jul 23 03:02:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration





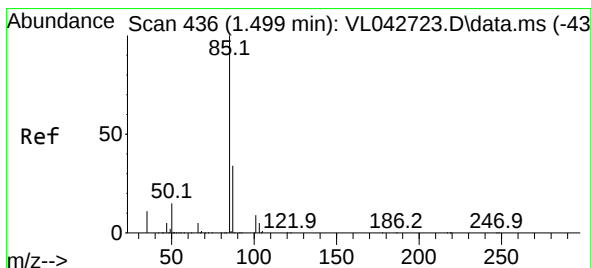
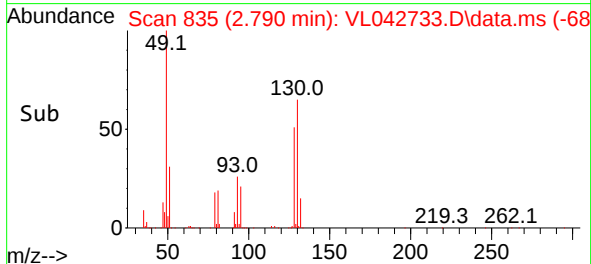
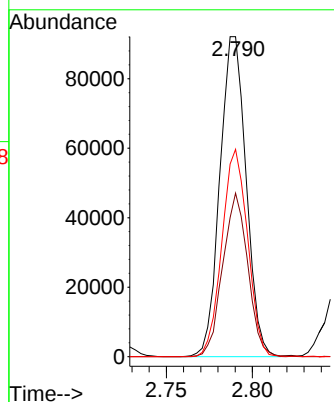
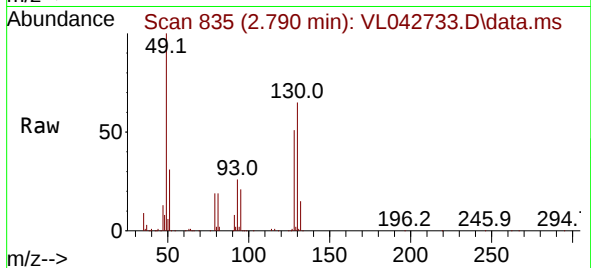
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 49 Resp: 9782
Ion Ratio Lower Upper
49 100
128 48.7 24.5 73.5
130 63.5 31.7 95.1

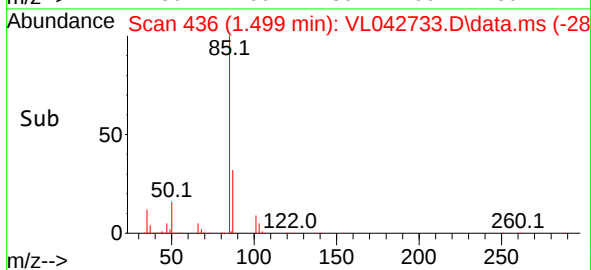
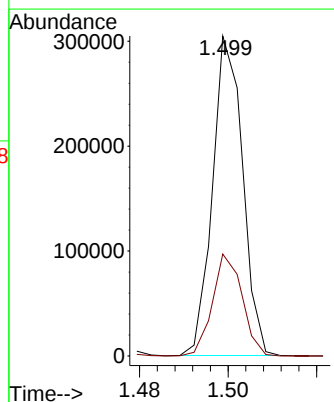
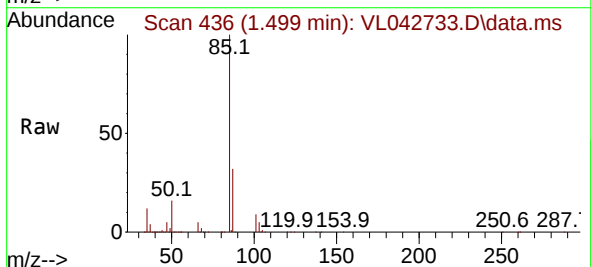
Manual Integrations
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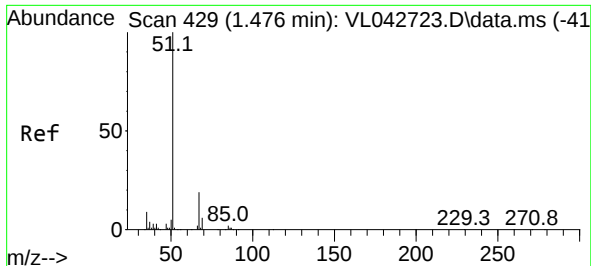
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#2
Dichlorodifluoromethane
Concen: 9.399 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

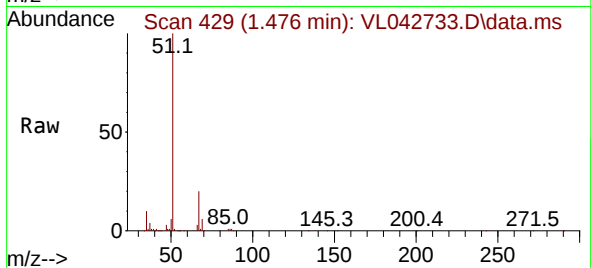
Tgt Ion: 85 Resp: 143536
Ion Ratio Lower Upper
85 100
87 31.9 27.5 41.3





#3
Chlorodifluoromethane
Concen: 9.414 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

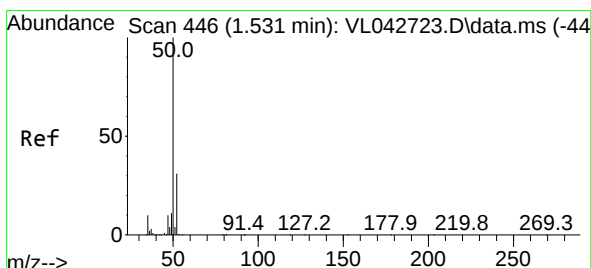
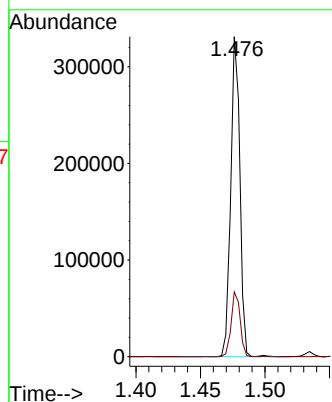
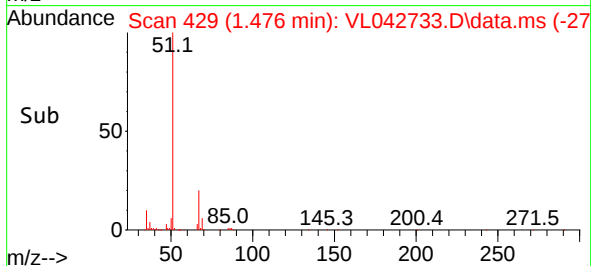
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



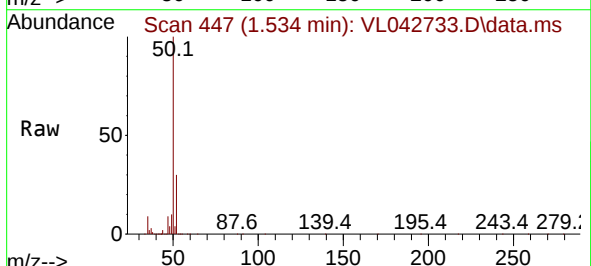
Tgt Ion: 51 Resp: 162590
Ion Ratio Lower Upper
51 100
67 20.0 16.0 24.0

Manual Integrations
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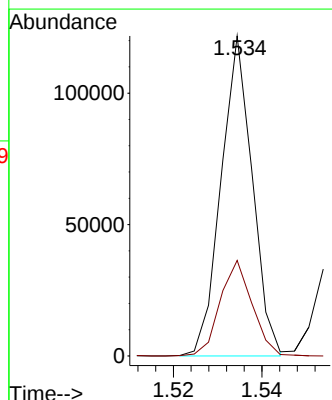
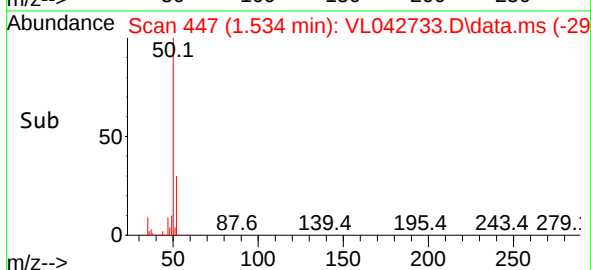
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

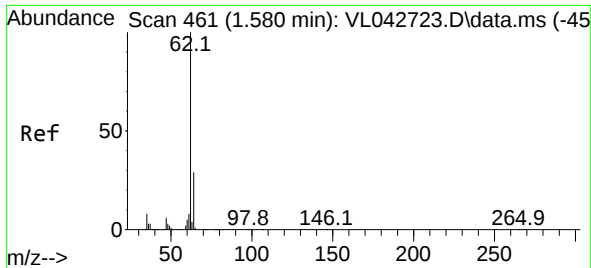


#4
Chloromethane
Concen: 9.544 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion: 50 Resp: 59683
Ion Ratio Lower Upper
50 100
52 29.8 24.9 37.3





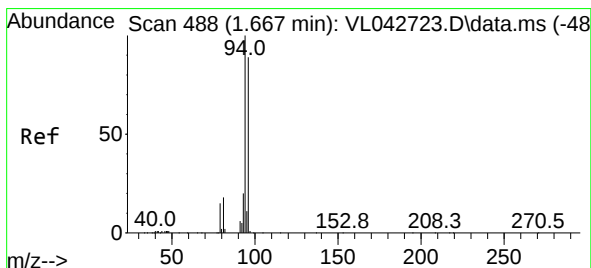
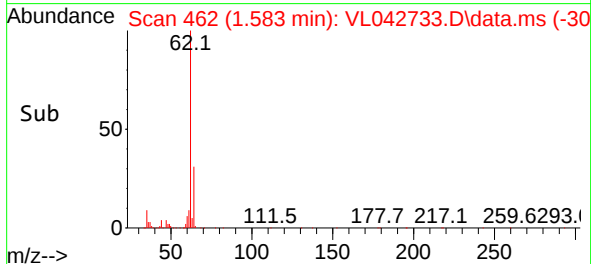
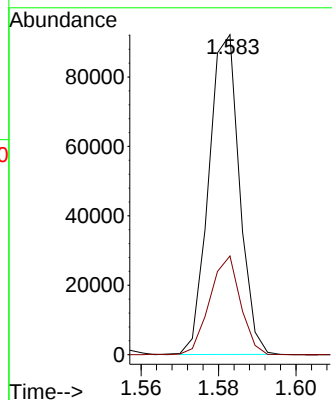
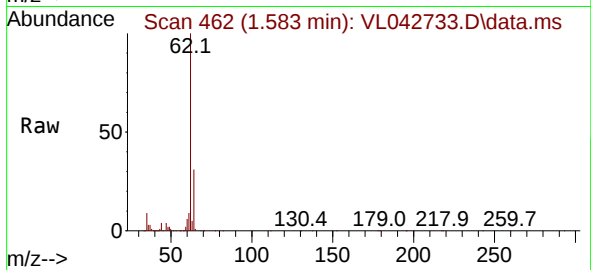
#5
 Vinyl Chloride
 Concen: 8.226 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Tgt Ion: 62 Resp: 50815
 Ion Ratio Lower Upper
 62 100
 64 30.8 23.0 34.6

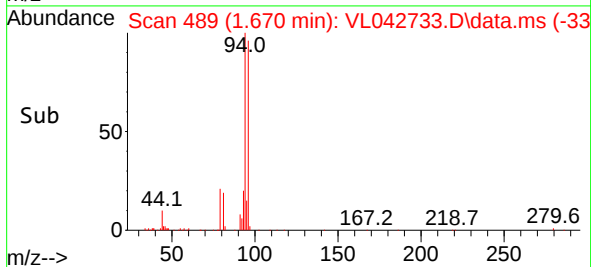
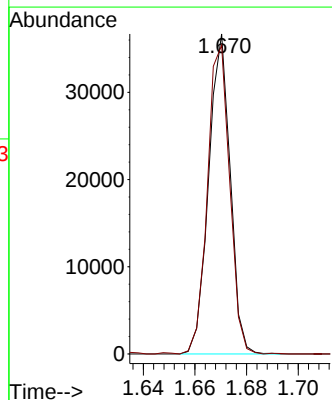
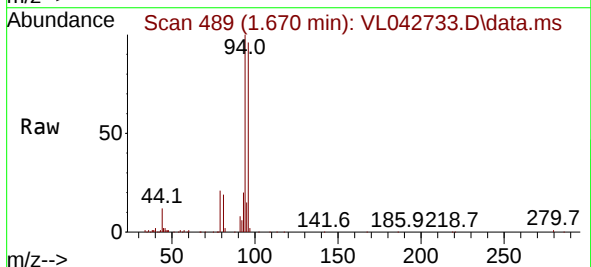
Manual Integrations
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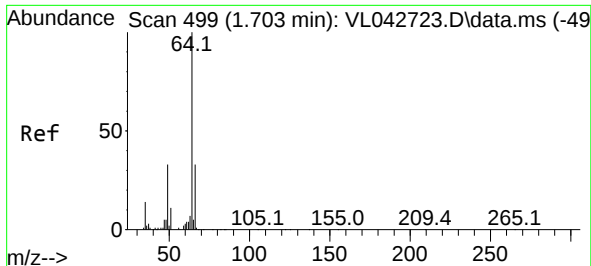
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#6
 Bromomethane
 Concen: 8.509 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

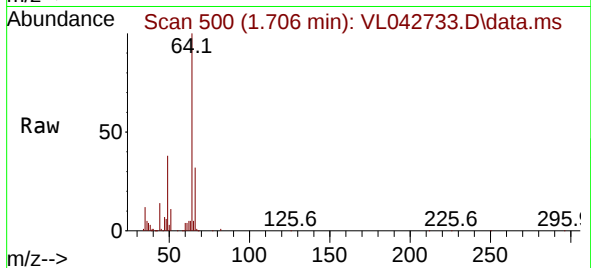
Tgt Ion: 94 Resp: 21272
 Ion Ratio Lower Upper
 94 100
 96 96.5 71.1 106.7





#7
Chloroethane
Concen: 8.612 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

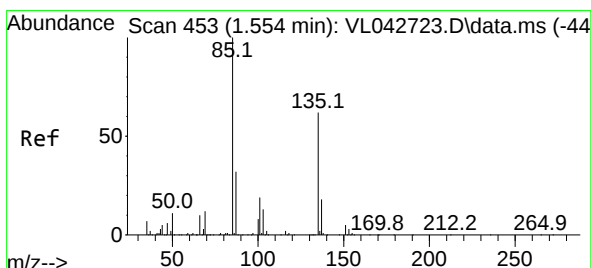
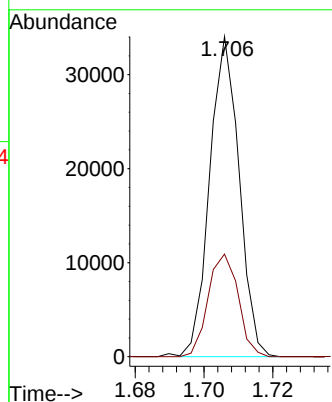
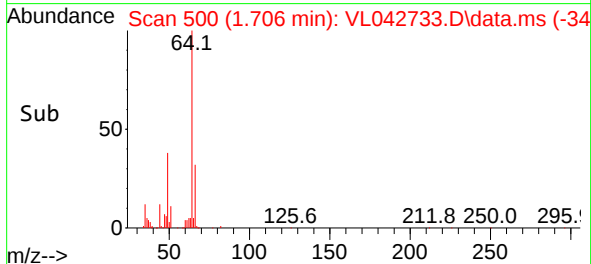
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



Tgt Ion: 64 Resp: 2022
Ion Ratio Lower Upper
64 100
66 32.0 26.4 39.6

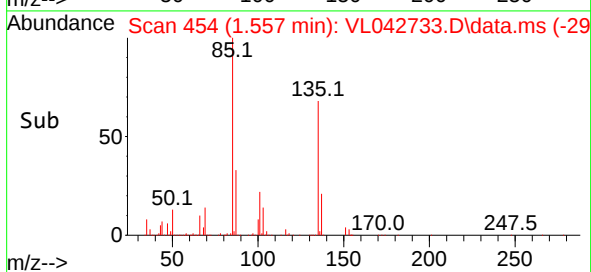
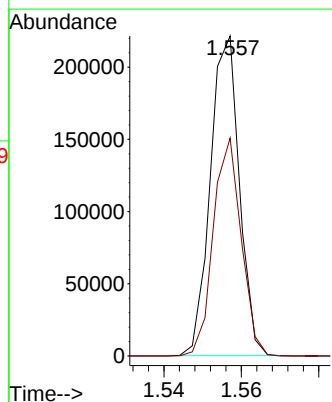
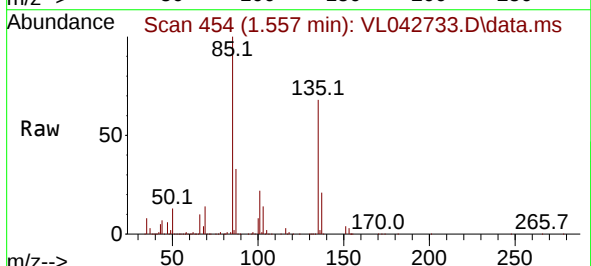
Manual Integrations
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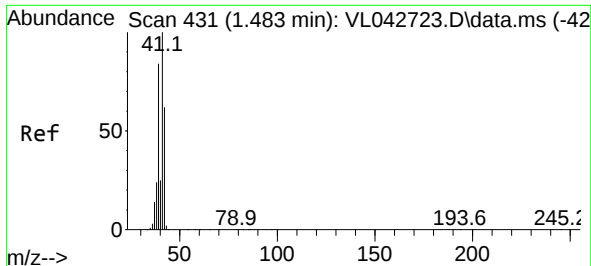
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#8
Dichlorotetrafluoroethane
Concen: 8.930 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

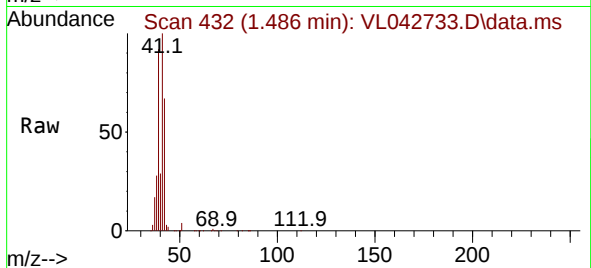
Tgt Ion: 85 Resp: 115022
Ion Ratio Lower Upper
85 100
135 65.7 52.0 78.0





#9
Propene
Concen: 9.039 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

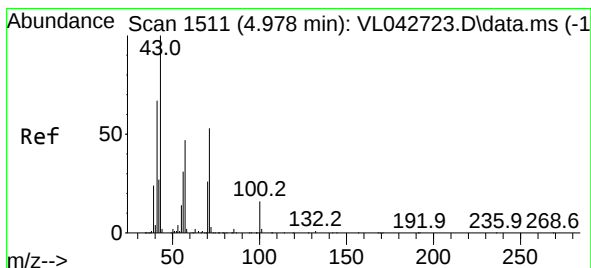
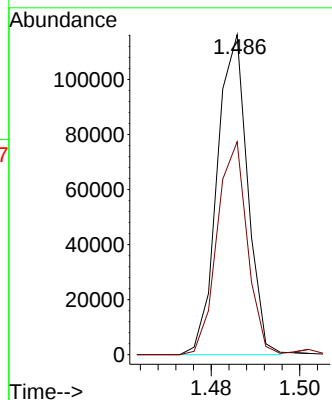
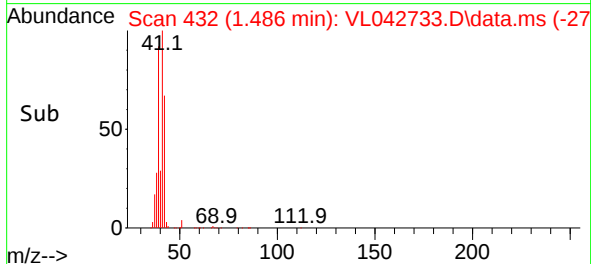
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



Tgt Ion: 41 Resp: 5538
Ion Ratio Lower Upper
41 100
42 67.9 52.0 78.0

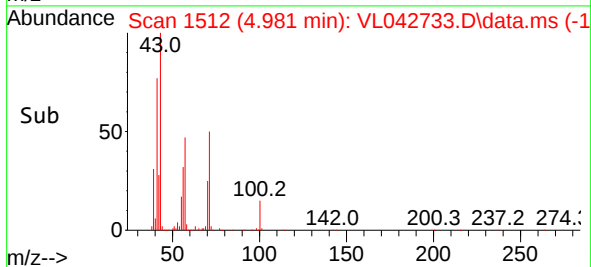
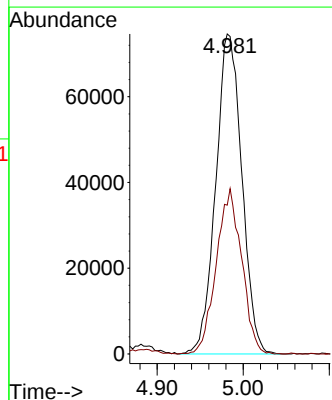
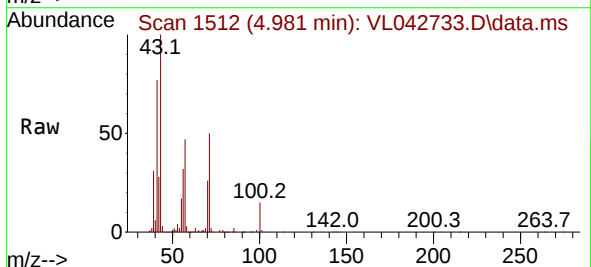
Manual Integrations
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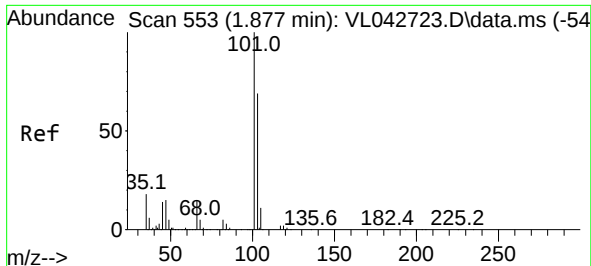
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#10
Heptane
Concen: 9.248 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 43 Resp: 157605
Ion Ratio Lower Upper
43 100
57 50.1 39.1 58.7





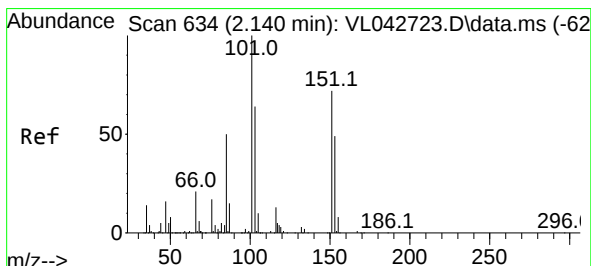
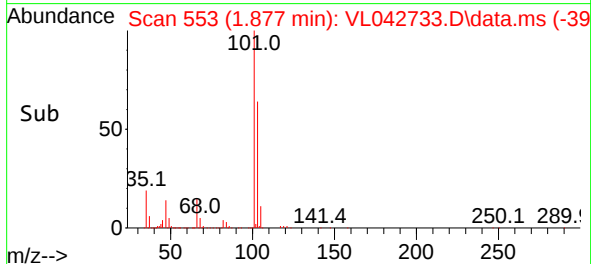
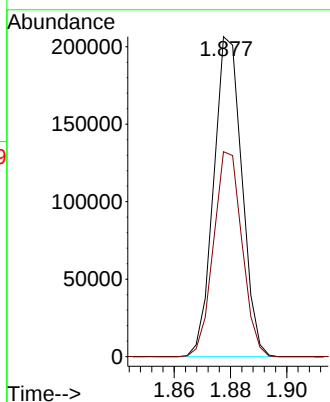
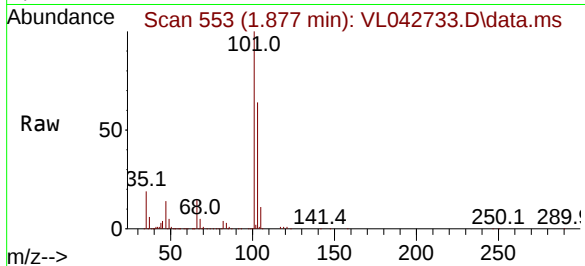
#11
 Trichlorofluoromethane
 Concen: 9.152 ppbv
 RT: 1.877 min Scan# 553
 Delta R.T. 0.000 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Tgt Ion:101 Resp: 143830
 Ion Ratio Lower Upper
 101 100
 103 64.1 55.2 82.8

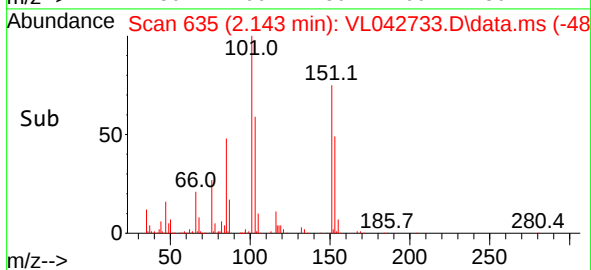
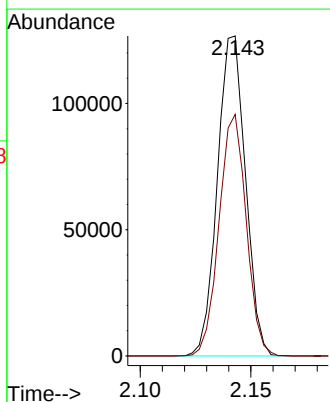
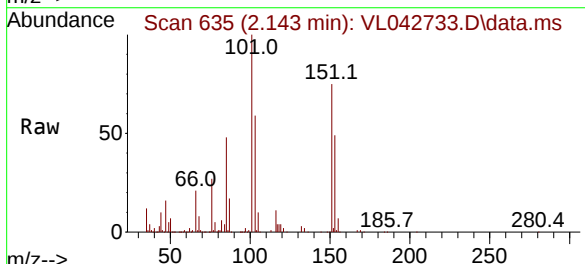
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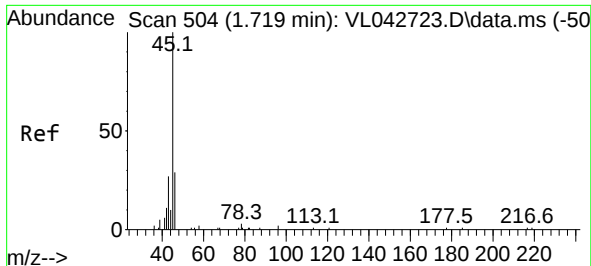
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.123 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Tgt Ion:101 Resp: 112187
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.1 88.7





#13

Ethanol

Concen: 5.565 ppbv

RT: 1.722 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion: 45 Resp: 573

Ion Ratio Lower Upper

45 100

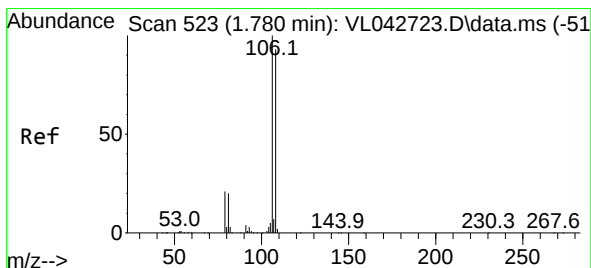
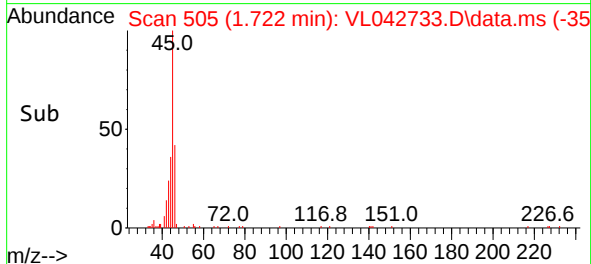
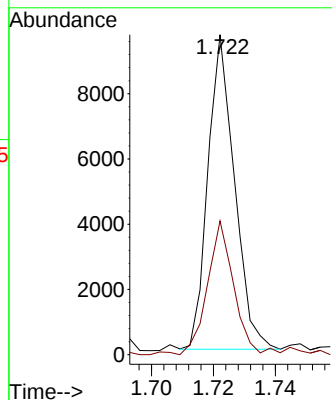
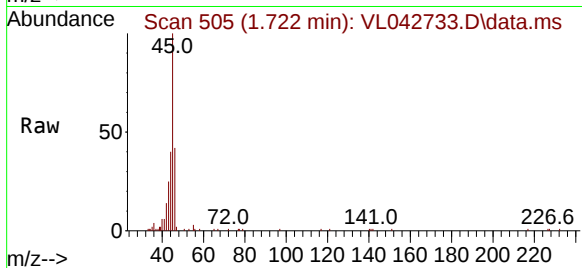
46 46.2 16.3 65.1

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#14

Bromoethene

Concen: 8.986 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

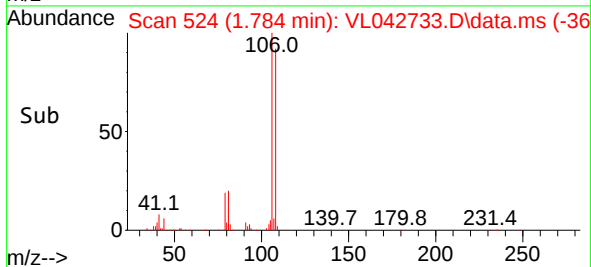
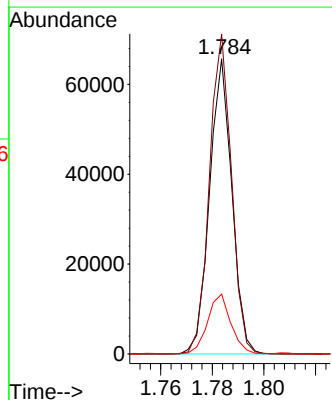
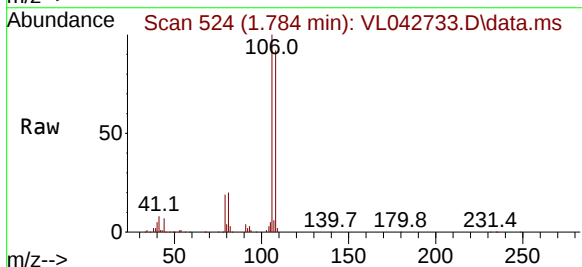
Tgt Ion:108 Resp: 39398

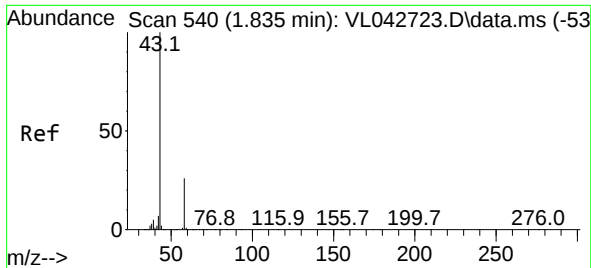
Ion Ratio Lower Upper

108 100

106 106.6 85.4 128.0

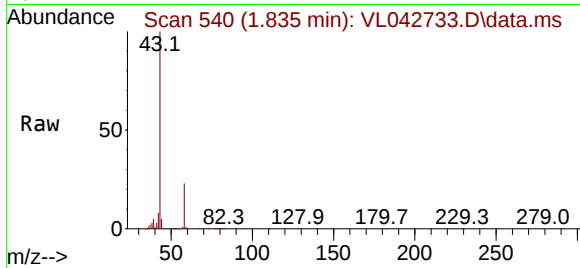
79 21.7 17.4 26.2





#15
Acetone
Concen: 7.464 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

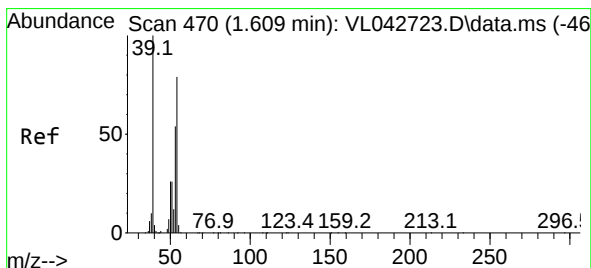
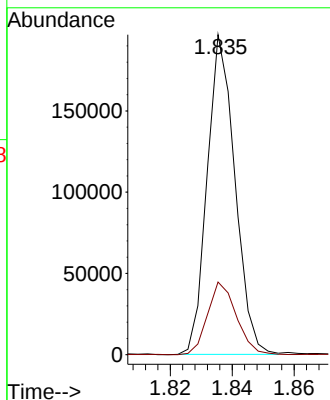
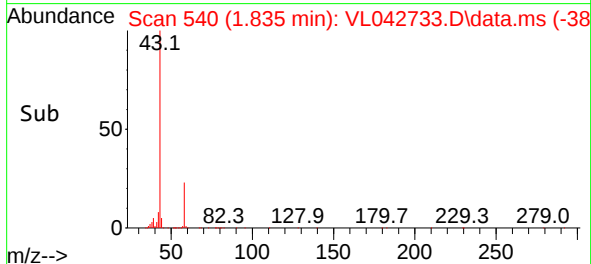
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



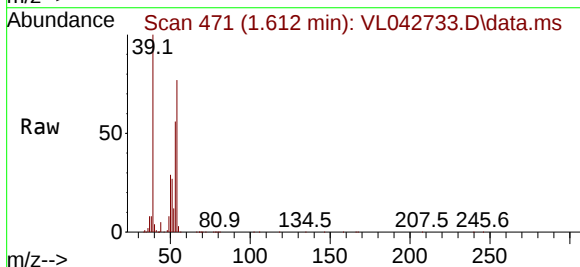
Tgt Ion: 43 Resp: 122258
Ion Ratio Lower Upper
43 100
58 23.9 20.5 30.7

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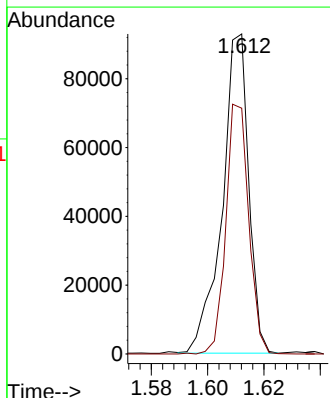
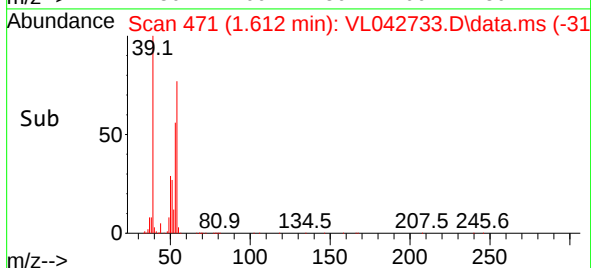
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

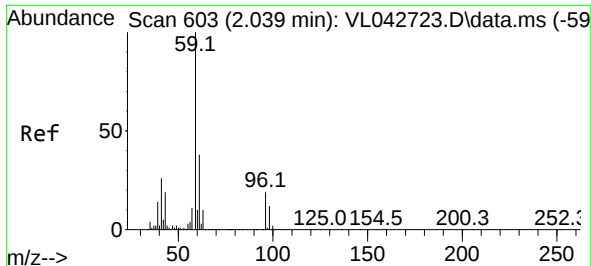


#16
1,3-Butadiene
Concen: 8.650 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion: 39 Resp: 60681
Ion Ratio Lower Upper
39 100
54 67.4 54.6 82.0





#17

tert-Butyl alcohol

Concen: 8.867 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion: 59 Resp: 13790

Ion Ratio Lower Upper

59 100

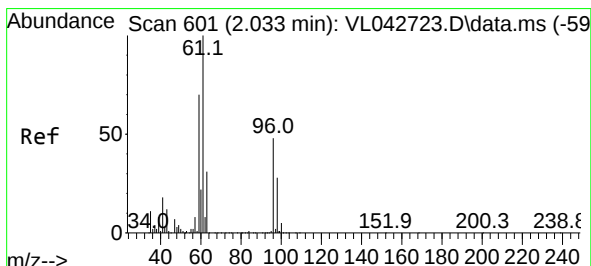
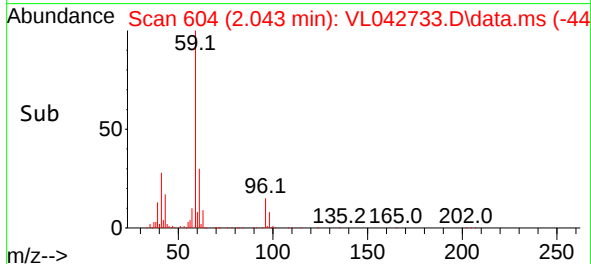
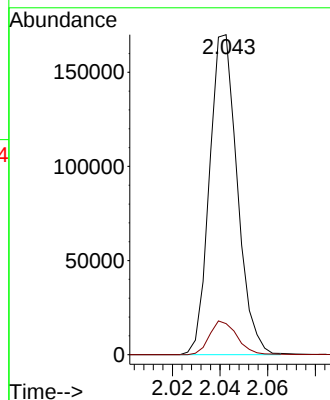
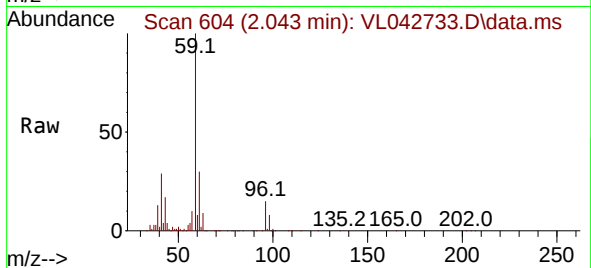
57 10.5 9.1 13.7

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#18

1,1-Dichloroethene

Concen: 9.262 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

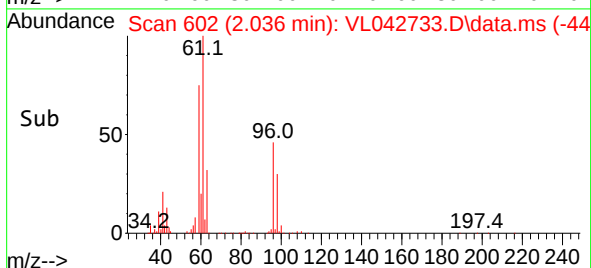
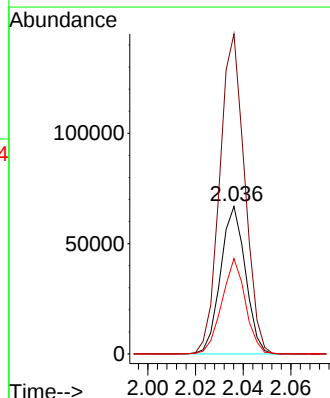
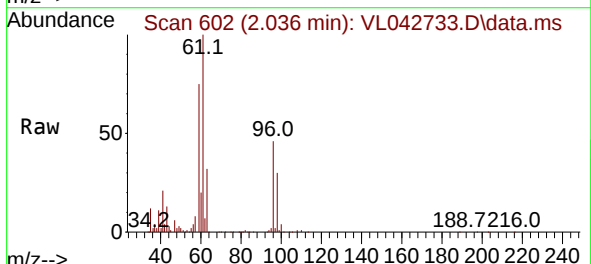
Tgt Ion: 96 Resp: 48434

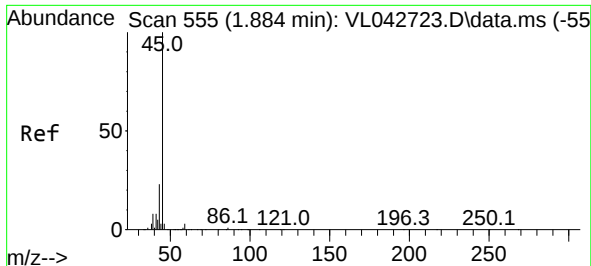
Ion Ratio Lower Upper

96 100

61 216.8 166.2 249.4

98 64.6 46.1 69.1





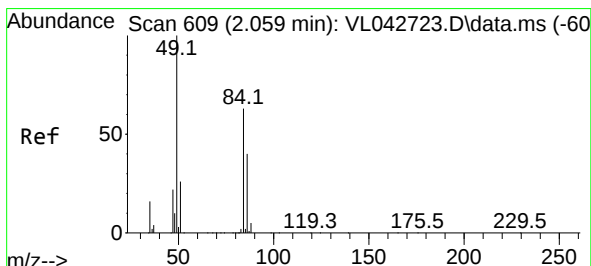
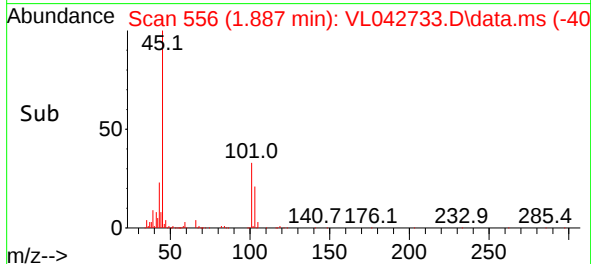
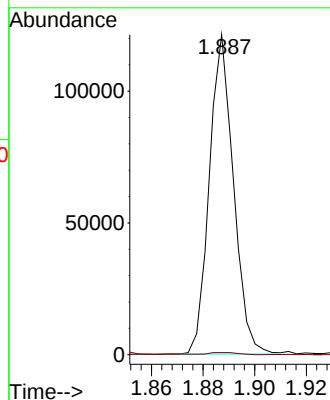
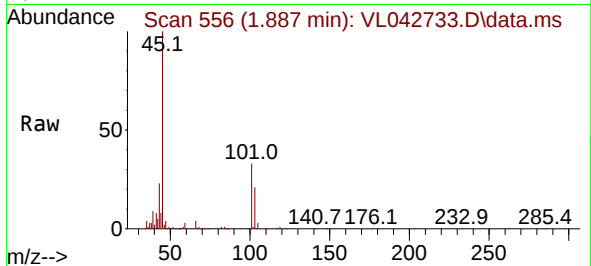
#19
Isopropyl Alcohol
Concen: 9.034 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 45 Resp: 7842
Ion Ratio Lower Upper
45 100
58 37.3 30.6 46.0

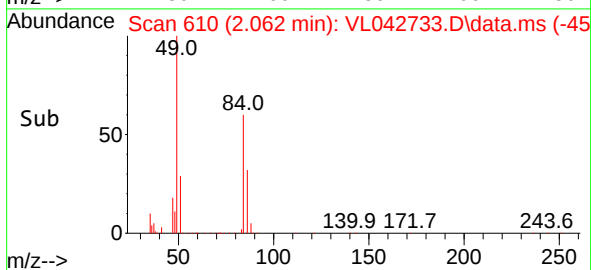
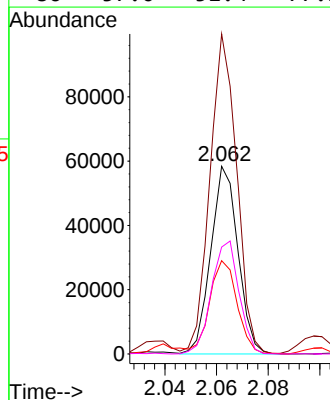
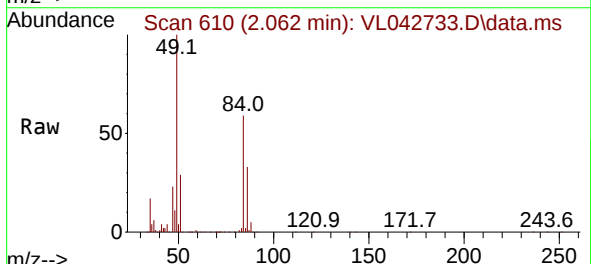
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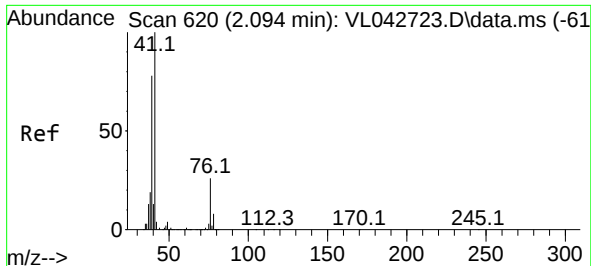
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 8.295 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

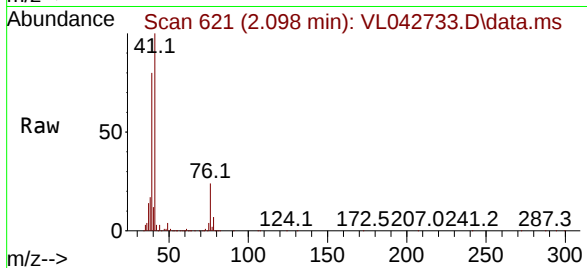
Tgt Ion: 84 Resp: 42708
Ion Ratio Lower Upper
84 100
49 170.2 128.2 192.4
51 49.5 34.5 51.7
86 57.0 51.4 77.2





#21
 Allyl Chloride
 Concen: 9.151 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

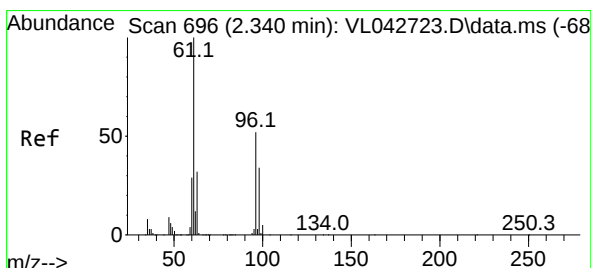
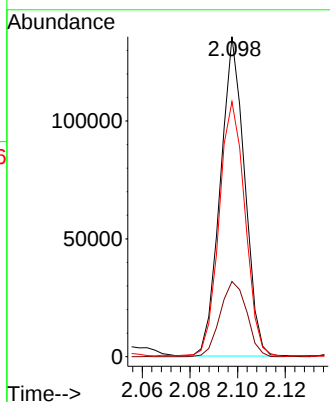
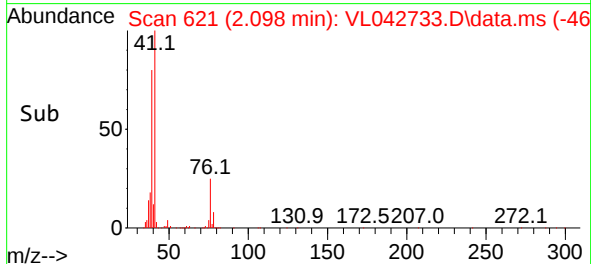
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01



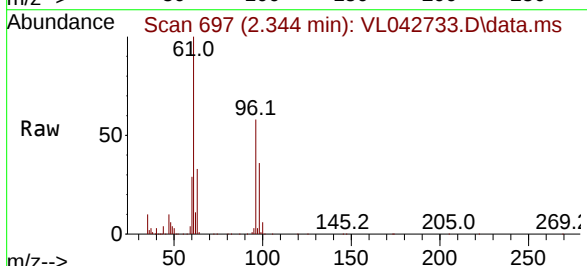
Tgt Ion: 41 Resp: 9608
 Ion Ratio Lower Upper
 41 100
 76 25.8 22.1 33.1
 39 84.2 64.7 97.1

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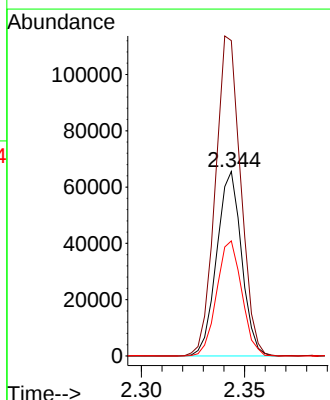
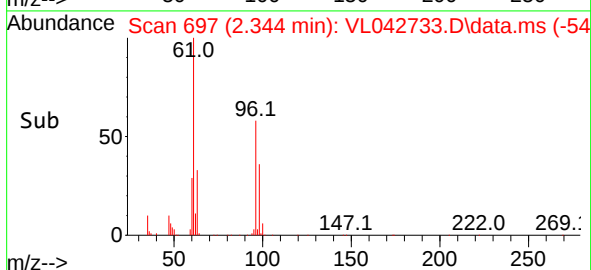
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

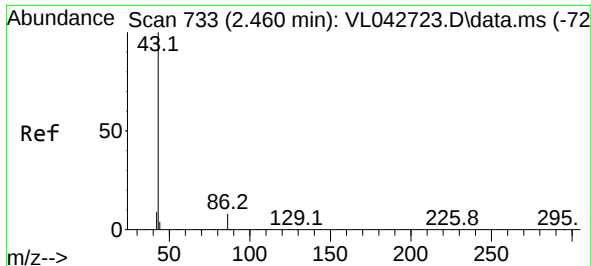


#22
 trans-1,2-Dichloroethene
 Concen: 9.142 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32



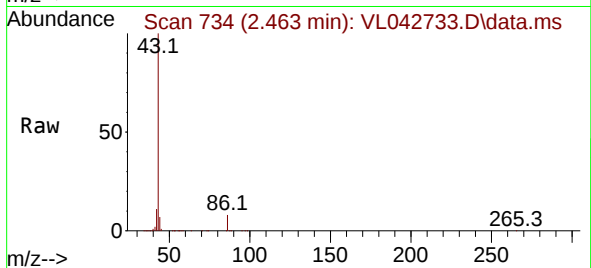
Tgt Ion: 96 Resp: 54842
 Ion Ratio Lower Upper
 96 100
 61 171.0 154.6 232.0
 98 62.3 53.1 79.7





#23
 Vinyl Acetate
 Concen: 9.543 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

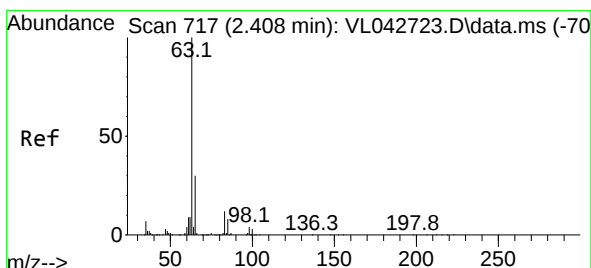
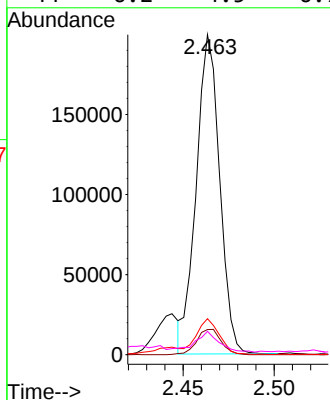
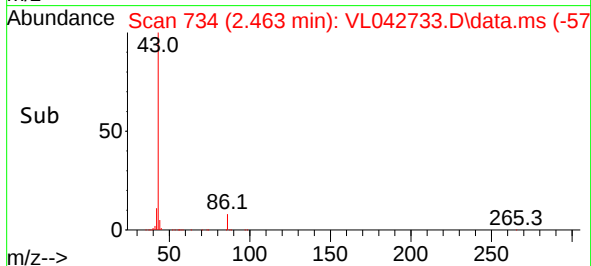
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01



Tgt Ion: 43 Resp: 178200
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.7 8.5
 42 10.9 7.9 11.9
 44 6.2 4.5 6.7

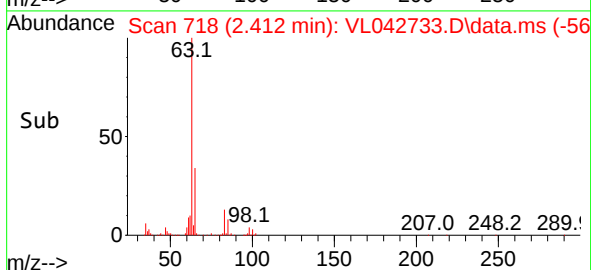
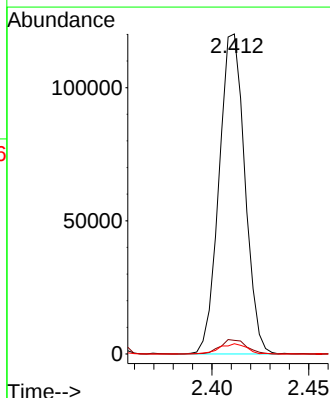
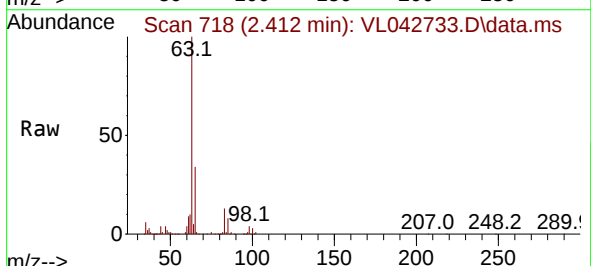
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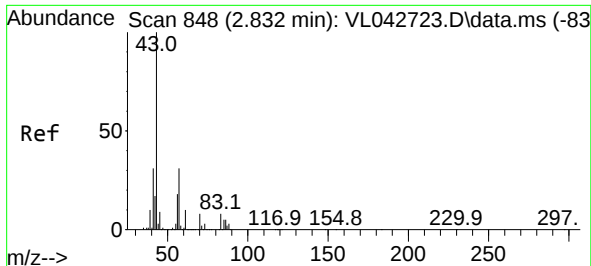
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#24
 1,1-Dichloroethane
 Concen: 9.281 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Tgt Ion: 63 Resp: 111347
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.0 5.8
 100 3.2 1.6 4.7





#25

Ethyl Acetate

Concen: 9.611 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042733.D

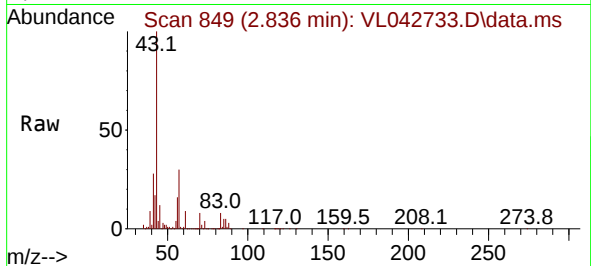
Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01



Tgt Ion: 43 Resp: 290508

Ion Ratio Lower Upper

43 100

45 10.3 7.8 11.6

61 8.6 7.0 10.6

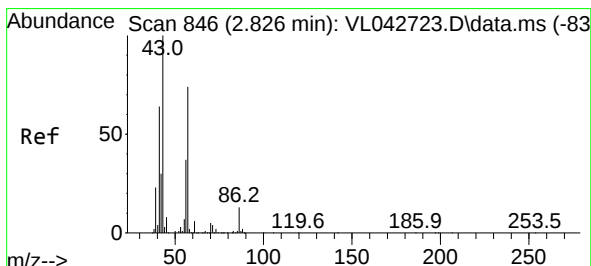
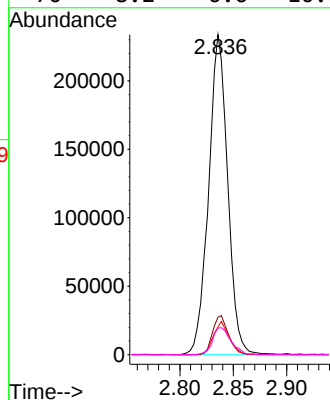
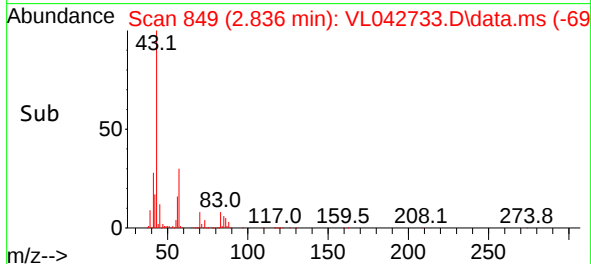
70 8.2 6.6 10.0

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#26

Hexane

Concen: 9.541 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Tgt Ion: 57 Resp: 126516

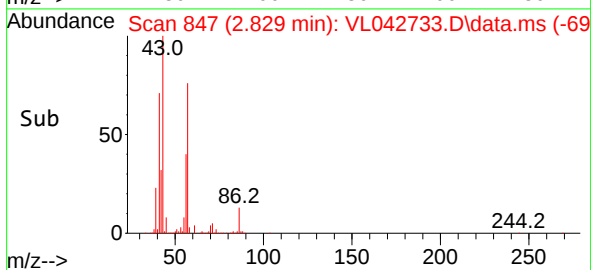
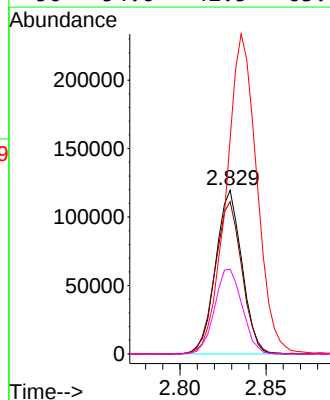
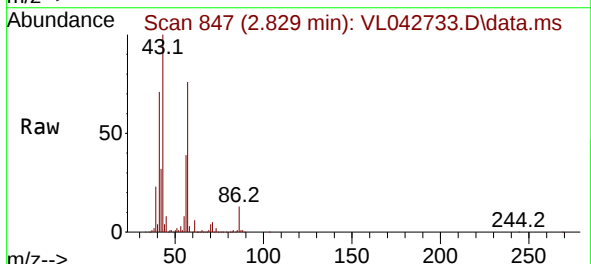
Ion Ratio Lower Upper

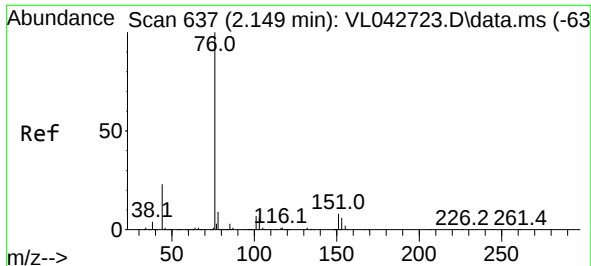
57 100

41 96.4 77.3 115.9

43 230.2 182.3 273.5

56 54.6 42.5 63.7





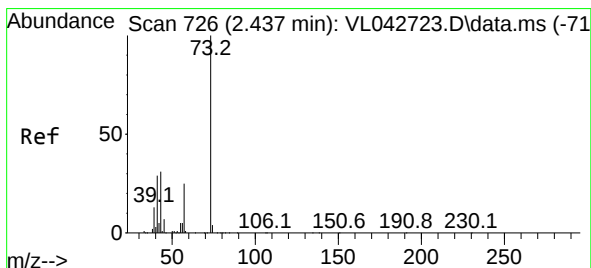
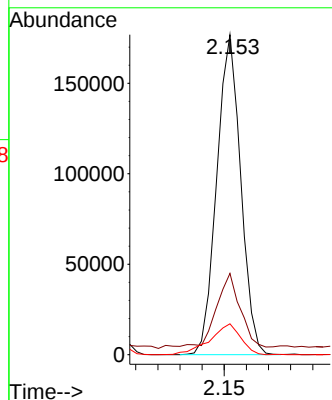
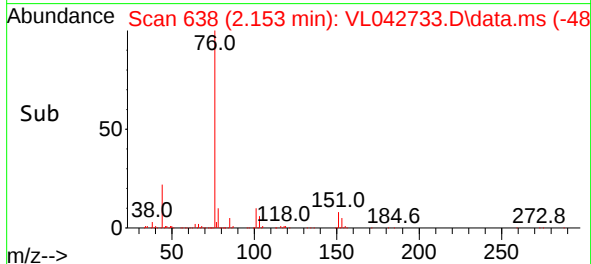
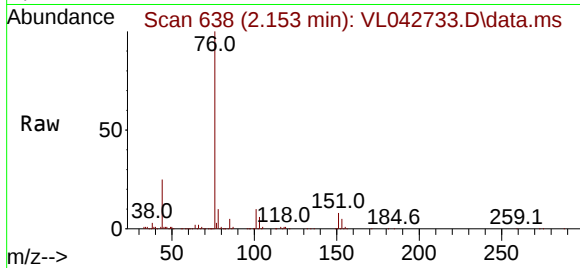
#27
Carbon Disulfide
Concen: 9.398 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 76 Resp: 13310
Ion Ratio Lower Upper
76 100
44 33.6 18.8 28.2
78 12.4 9.5 14.3

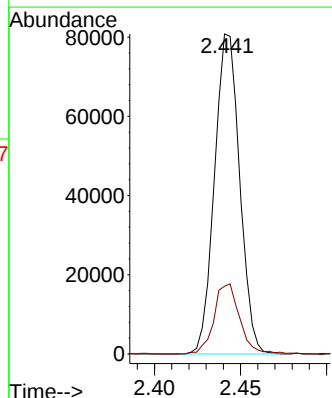
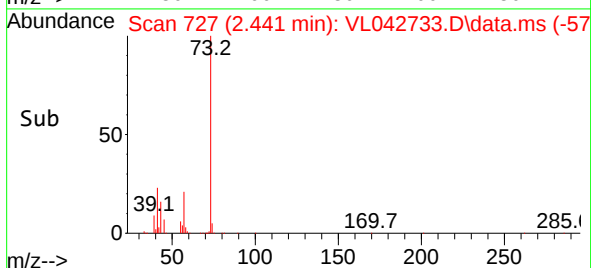
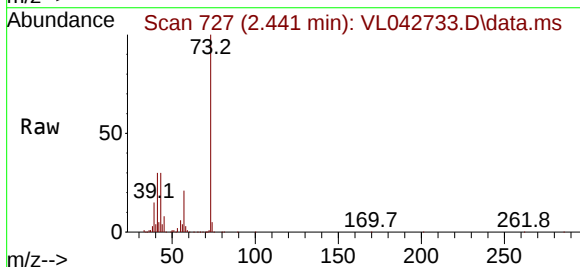
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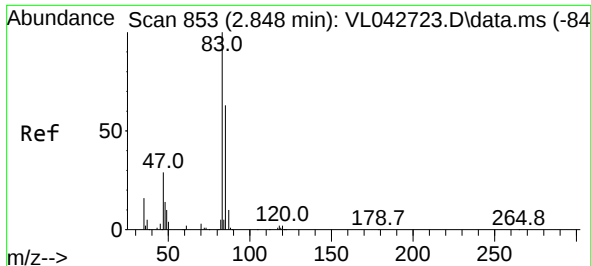
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#28
Methyl tert-Butyl Ether
Concen: 10.672 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 73 Resp: 82264
Ion Ratio Lower Upper
73 100
57 22.4 19.8 29.8





#29

Chloroform

Concen: 9.500 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion: 83 Resp: 208004

Ion Ratio Lower Upper

83 100

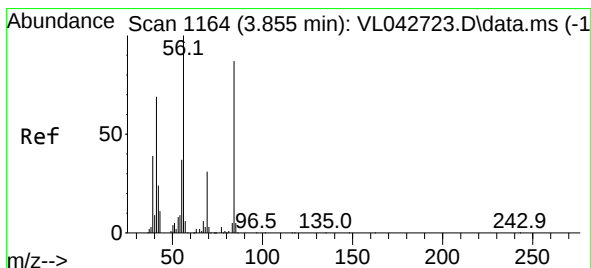
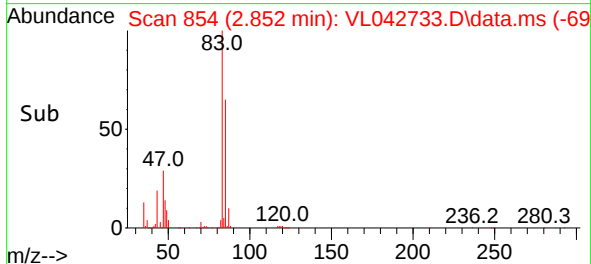
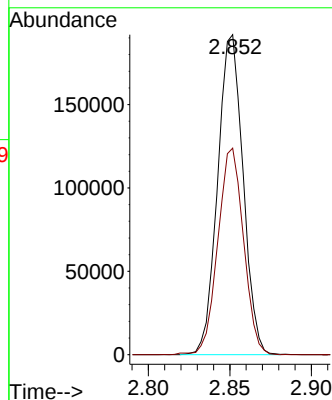
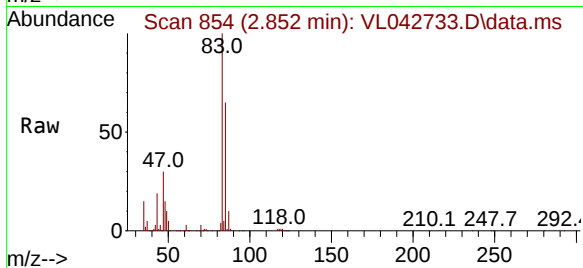
85 64.5 50.9 76.3

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#30

Cyclohexane

Concen: 9.480 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

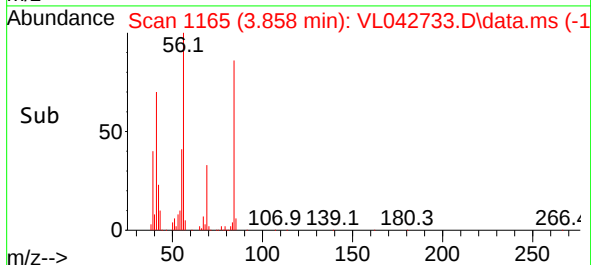
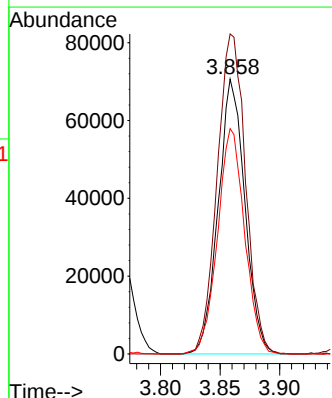
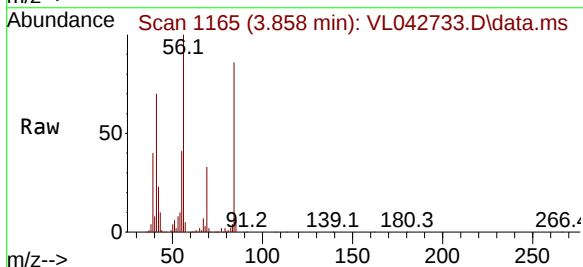
Tgt Ion: 84 Resp: 109684

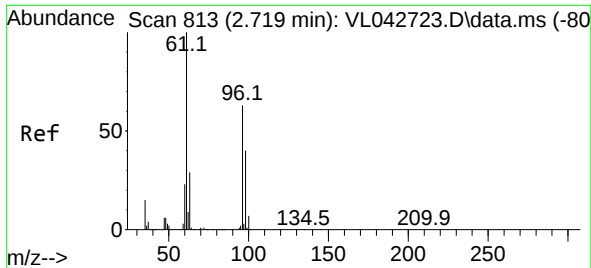
Ion Ratio Lower Upper

84 100

56 123.9 94.2 141.4

41 83.2 66.4 99.6





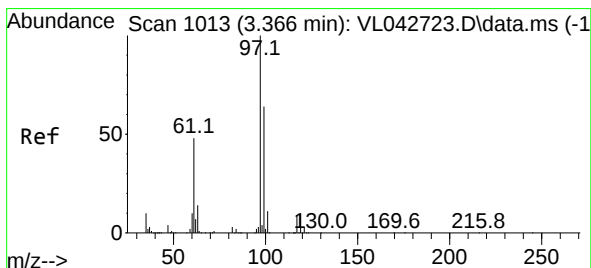
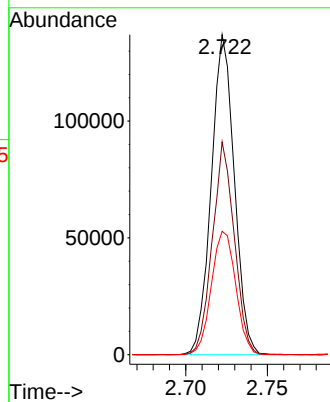
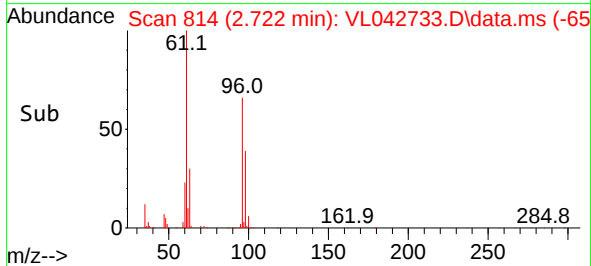
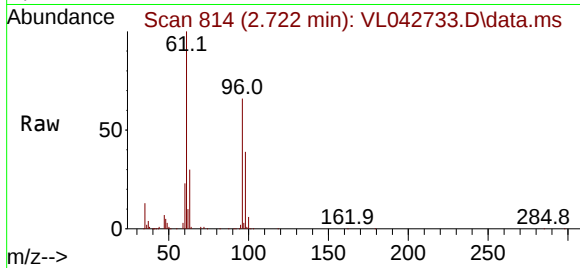
#31
 cis-1,2-Dichloroethene
 Concen: 9.439 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01

Tgt Ion: 61 Resp: 134759
 Ion Ratio Lower Upper
 61 100
 96 66.5 50.6 75.8
 98 38.5 32.2 48.2

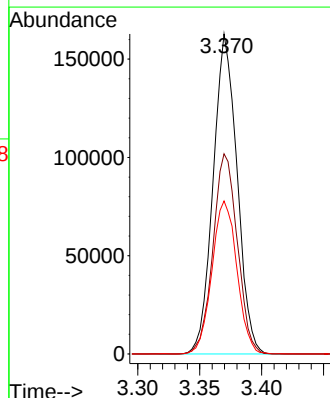
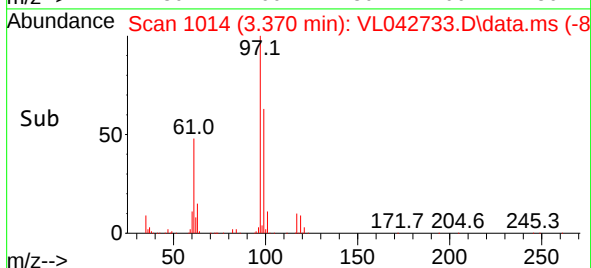
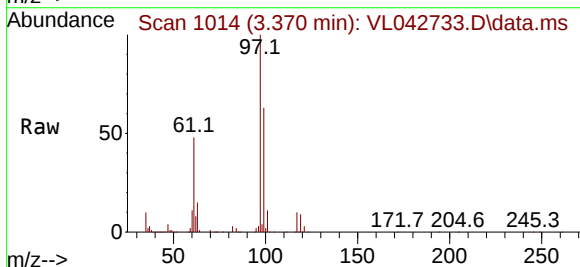
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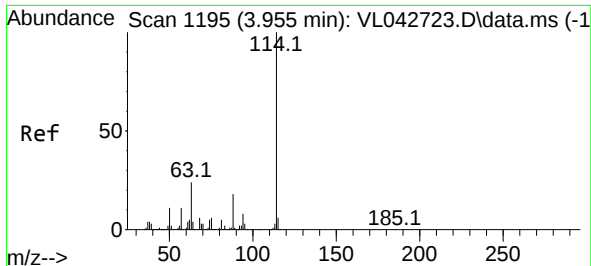
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.510 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Tgt Ion: 97 Resp: 219257
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.4 77.0
 61 49.9 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion:114 Resp: 290819

Ion Ratio Lower Upper

114 100

63 27.0 20.4 30.6

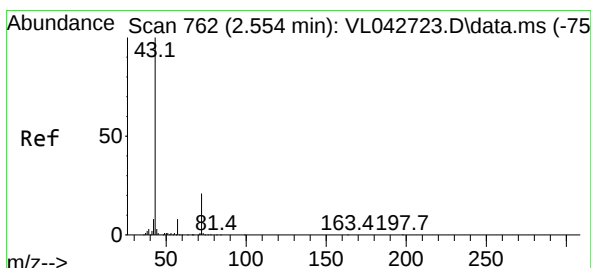
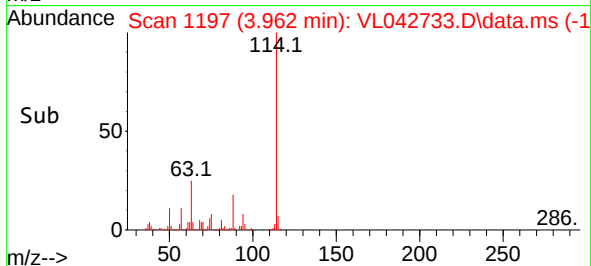
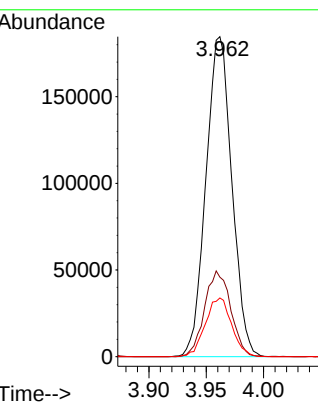
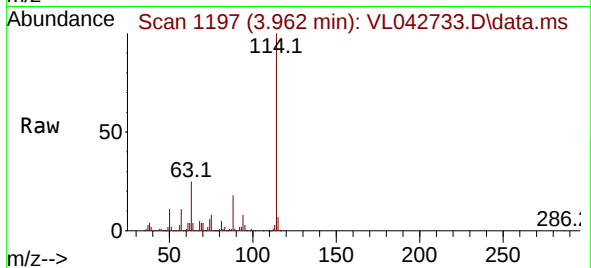
88 18.6 14.5 21.7

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#34

2-Butanone

Concen: 9.596 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042733.D

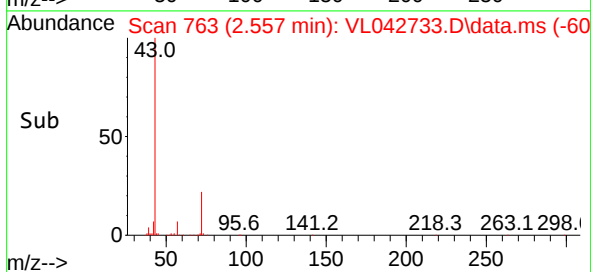
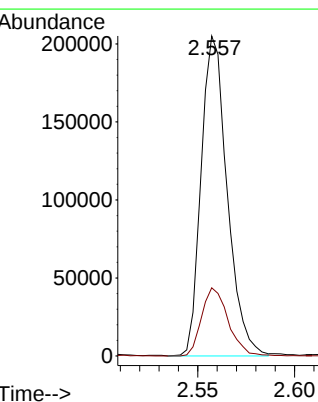
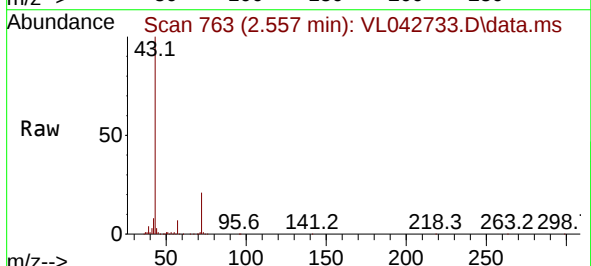
Acq: 22 Jul 2025 16:32

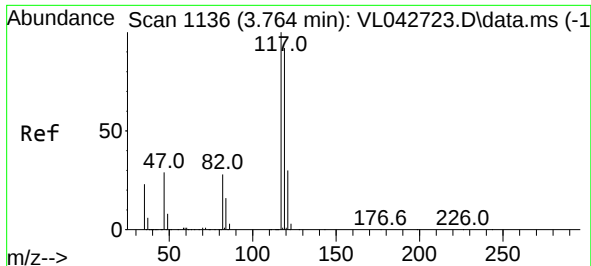
Tgt Ion: 43 Resp: 192160

Ion Ratio Lower Upper

43 100

72 21.9 17.0 25.6





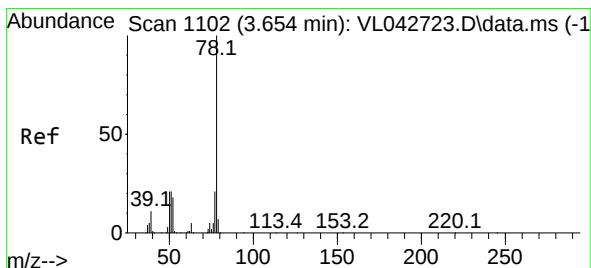
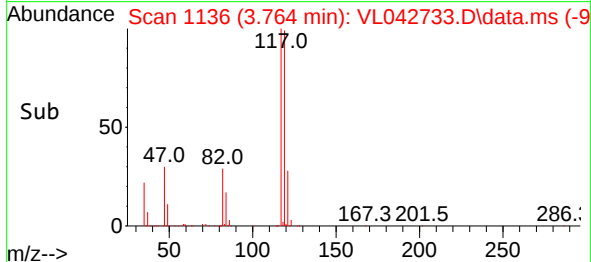
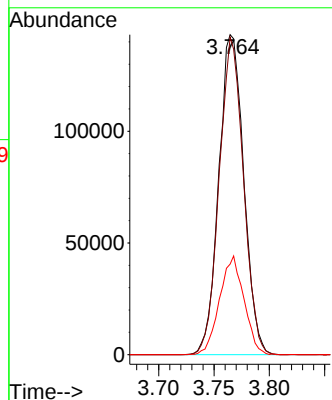
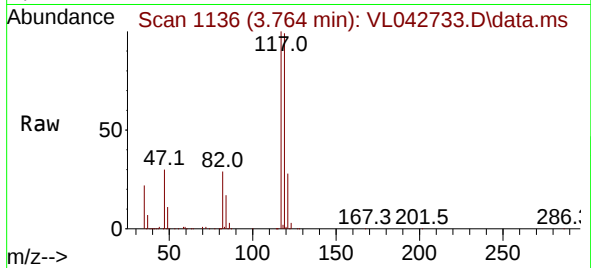
#35
Carbon Tetrachloride
Concen: 9.439 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion:117 Resp: 224904
Ion Ratio Lower Upper
117 100
119 99.2 73.7 110.5
121 28.3 23.8 35.8

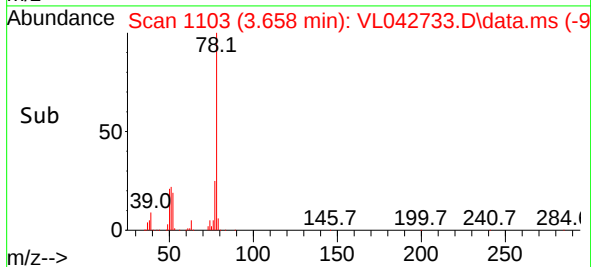
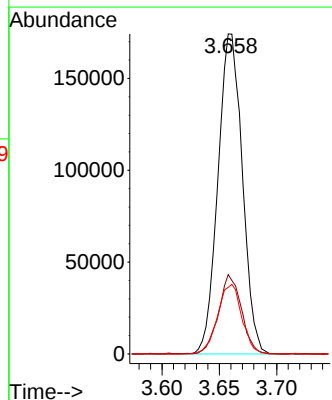
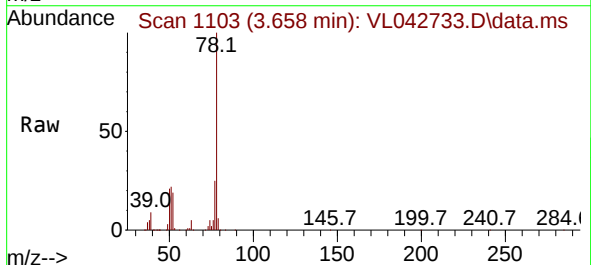
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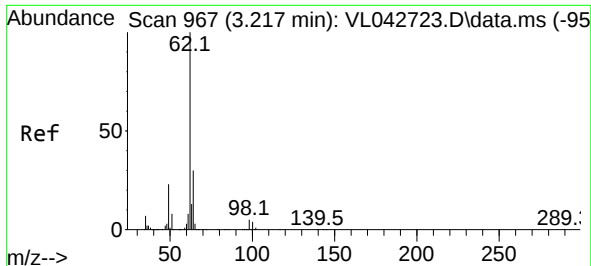
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#36
Benzene
Concen: 9.526 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 78 Resp: 257369
Ion Ratio Lower Upper
78 100
77 24.8 17.0 25.4
50 20.8 16.9 25.3





#37

1,2-Dichloroethane

Concen: 10.009 ppbv

RT: 3.221 min Scan# 967

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion: 62 Resp: 172489

Ion Ratio Lower Upper

62 100

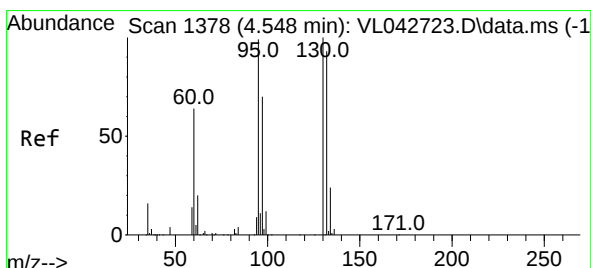
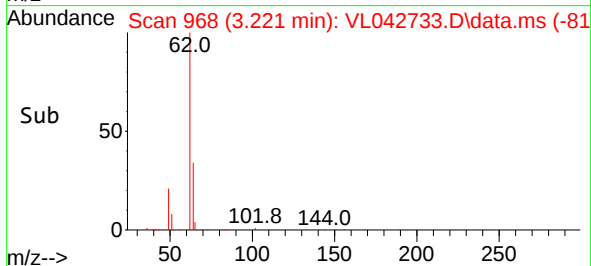
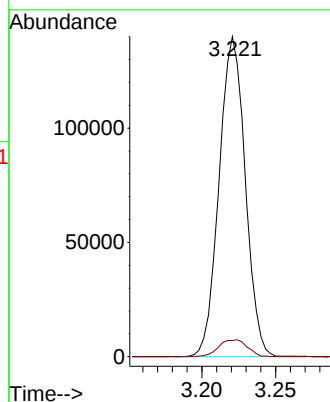
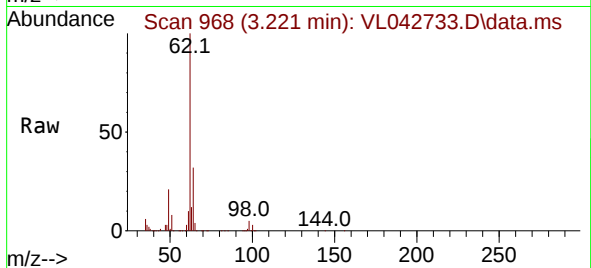
98 5.8 4.8 7.2

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#38

Trichloroethene

Concen: 9.163 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Tgt Ion:130 Resp: 120693

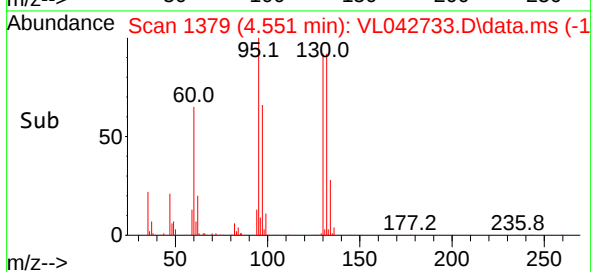
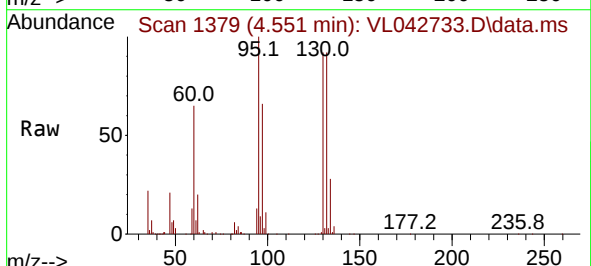
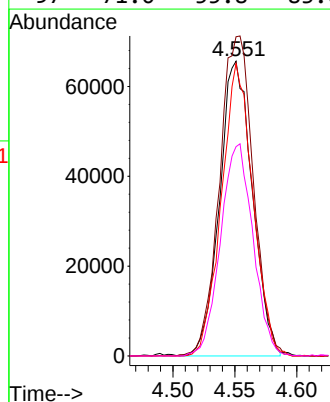
Ion Ratio Lower Upper

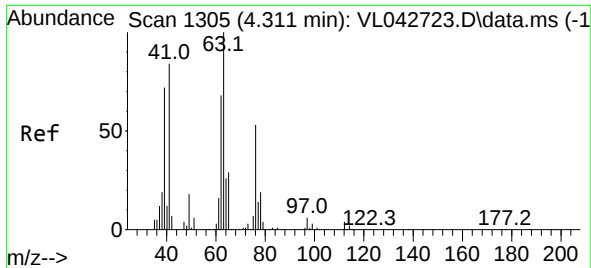
130 100

95 107.9 79.2 118.8

132 99.2 74.1 111.1

97 71.0 55.8 83.6





#39

1,2-Dichloropropane

Concen: 9.382 ppbv

RT: 4.318 min Scan# 1305

Delta R.T. 0.007 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

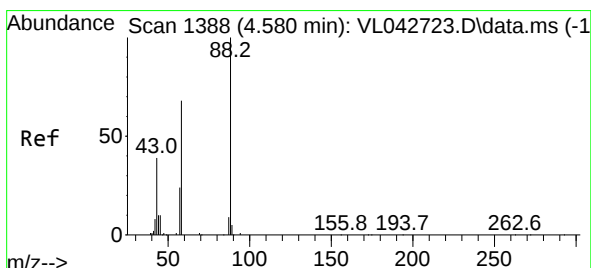
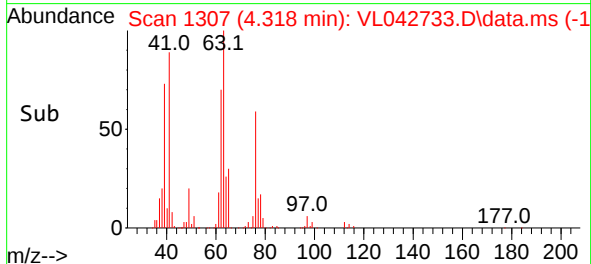
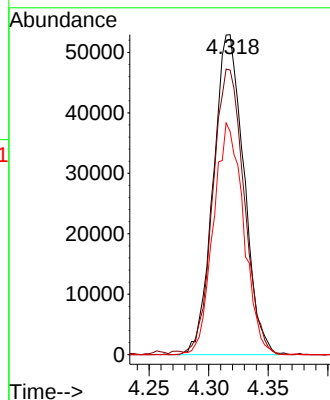
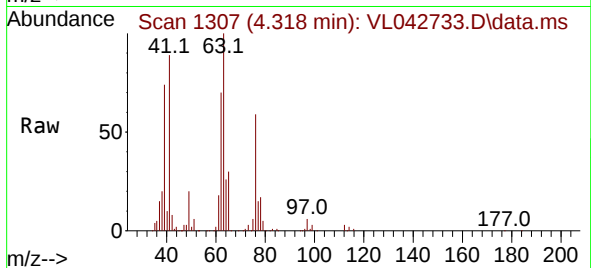
Tgt Ion: 63 Resp: 9438

Ion	Ratio	Lower	Upper
63	100		
41	88.8	67.7	101.5
62	69.6	54.1	81.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#40

1,4-Dioxane

Concen: 9.098 ppbv

RT: 4.583 min Scan# 1389

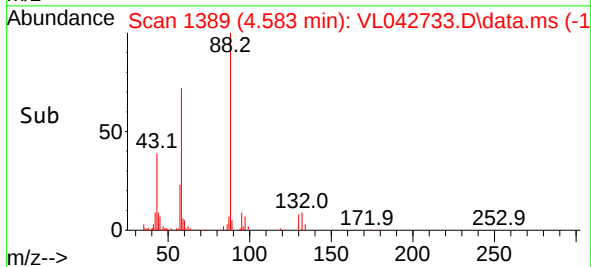
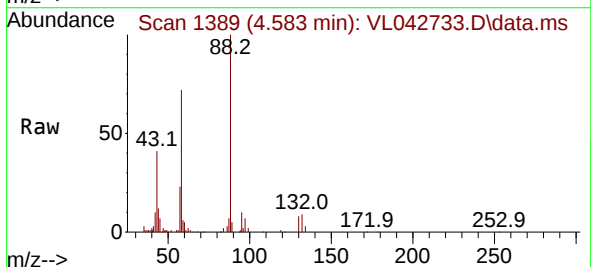
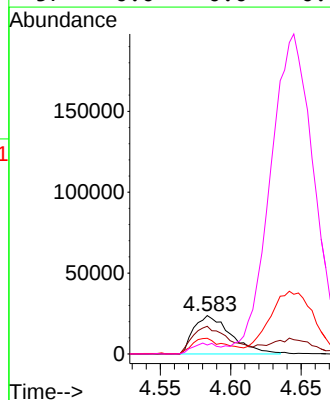
Delta R.T. 0.003 min

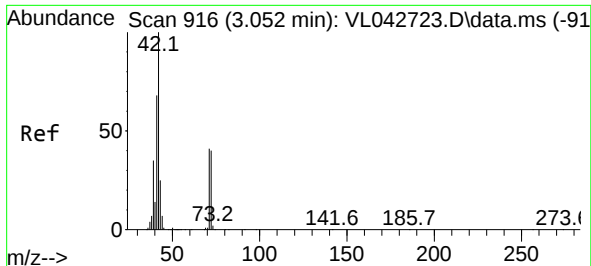
Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Tgt Ion: 88 Resp: 43593

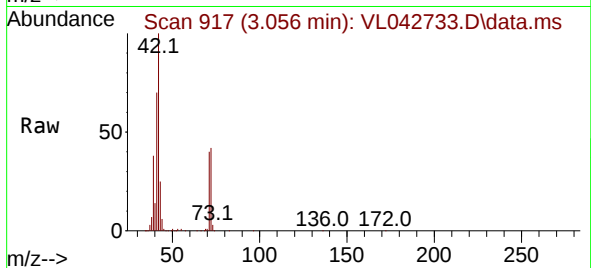
Ion	Ratio	Lower	Upper
88	100		
58	69.9	59.8	89.8
43	40.5	32.6	48.8
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.970 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

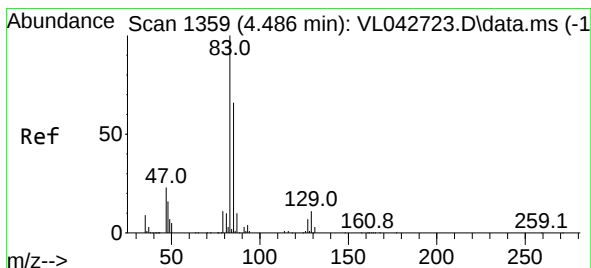
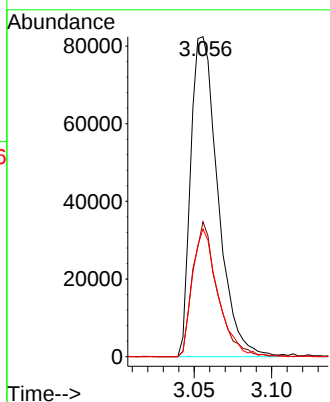
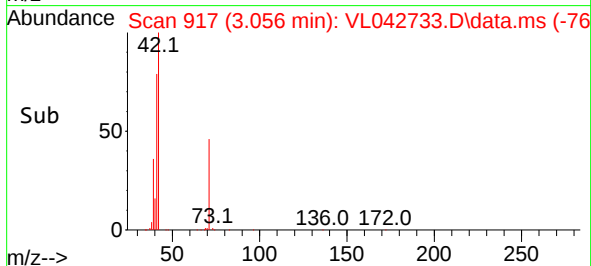
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



Tgt Ion: 42 Resp: 100664
Ion Ratio Lower Upper
42 100
72 38.6 32.2 48.2
71 38.0 29.8 44.6

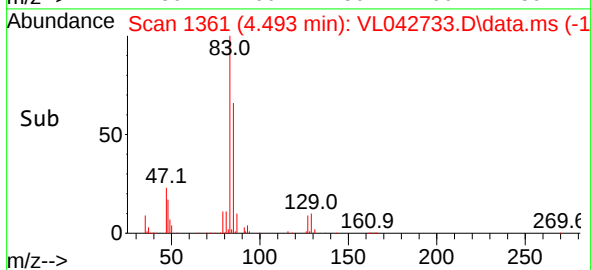
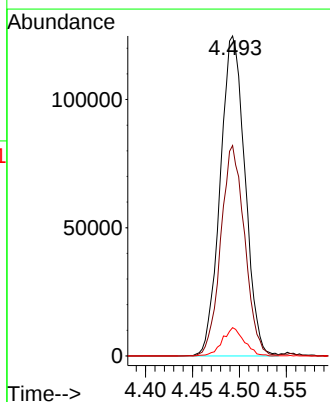
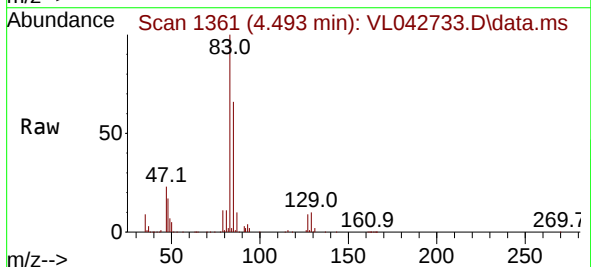
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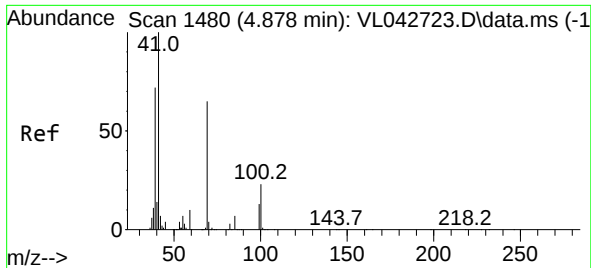
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#42
Bromodichloromethane
Concen: 10.156 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

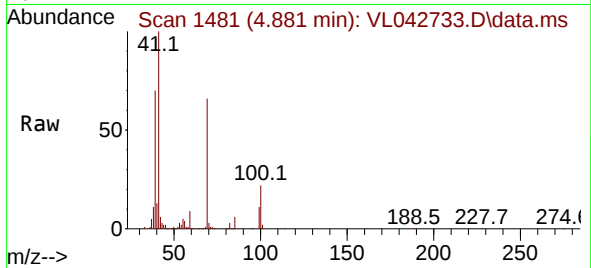
Tgt Ion: 83 Resp: 228958
Ion Ratio Lower Upper
83 100
85 65.8 52.6 78.8
127 8.9 6.0 9.0





#43
Methyl Methacrylate
Concen: 9.942 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

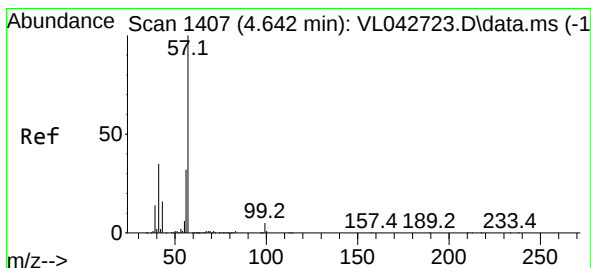
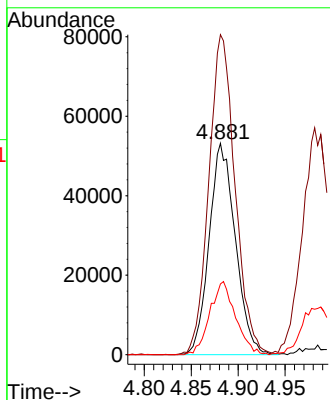
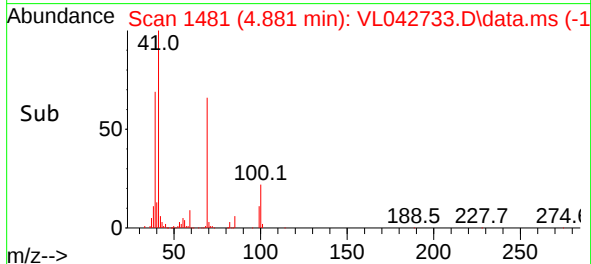
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



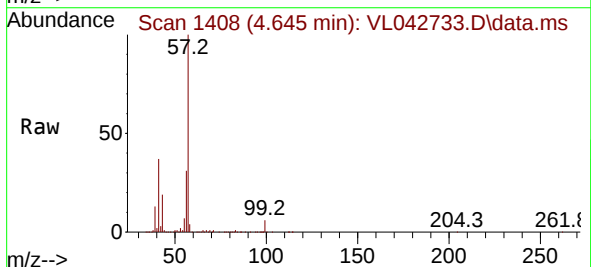
Tgt Ion: 69 Resp: 103180
Ion Ratio Lower Upper
69 100
41 151.5 125.8 188.6
100 34.1 29.9 44.9

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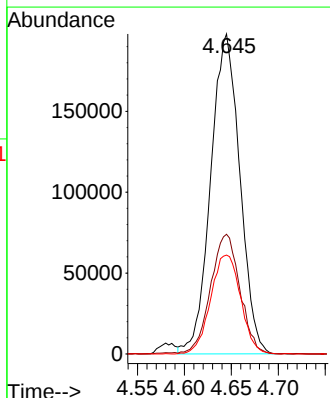
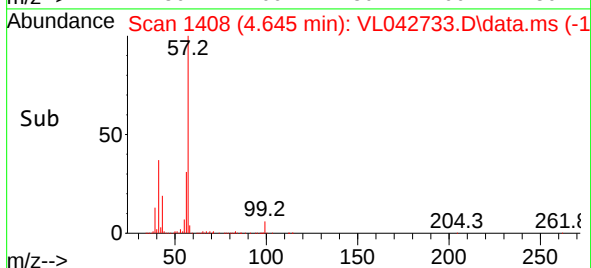
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

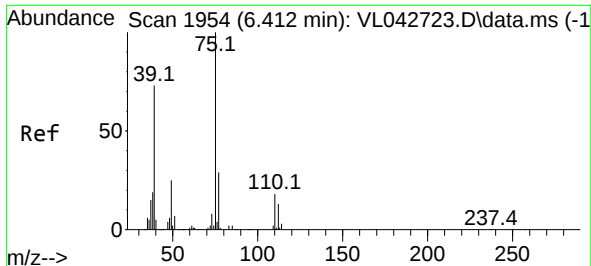


#44
2,2,4-Trimethylpentane
Concen: 9.632 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion: 57 Resp: 427143
Ion Ratio Lower Upper
57 100
41 38.0 29.4 44.0
56 31.9 26.1 39.1





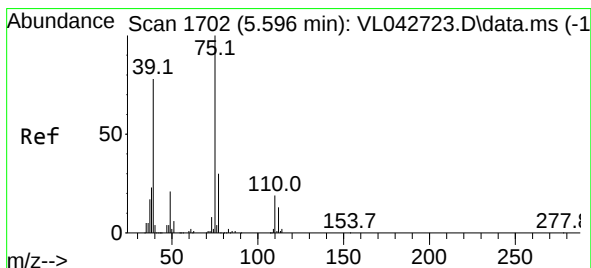
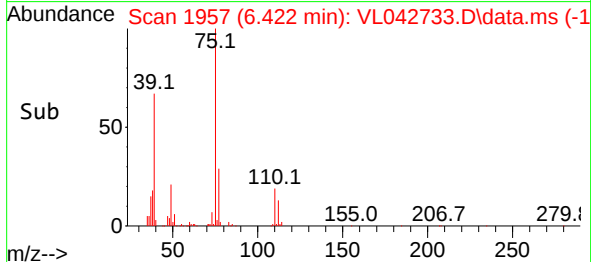
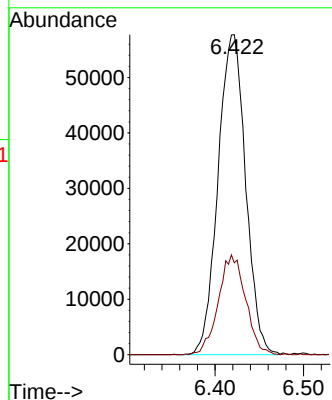
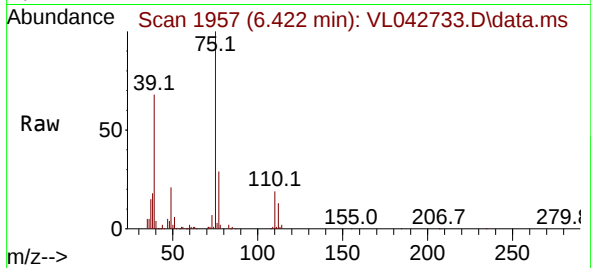
#45
t-1,3-Dichloropropene
Concen: 9.828 ppbv
RT: 6.422 min Scan# 1954
Delta R.T. 0.010 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 75 Resp: 12524
Ion Ratio Lower Upper
75 100
77 28.7 23.0 34.6

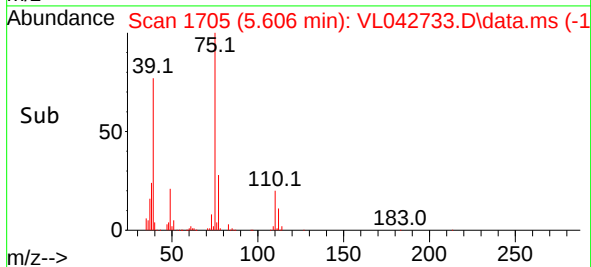
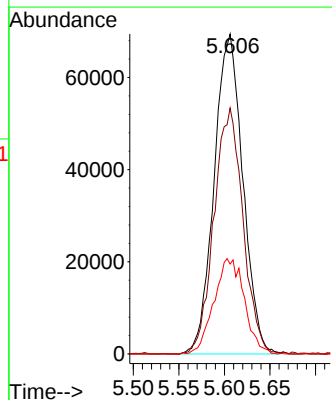
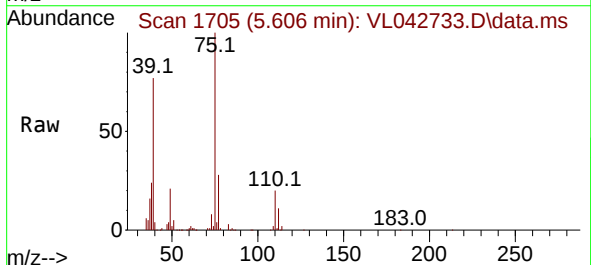
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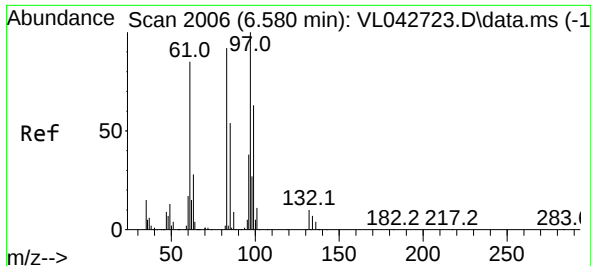
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#46
cis-1,3-Dichloropropene
Concen: 10.034 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.010 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 75 Resp: 152104
Ion Ratio Lower Upper
75 100
39 76.8 62.1 93.1
77 28.1 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 9.306 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion: 97 Resp: 102620

Ion Ratio Lower Upper

97 100

83 84.8 73.2 109.8

85 49.6 42.7 64.1

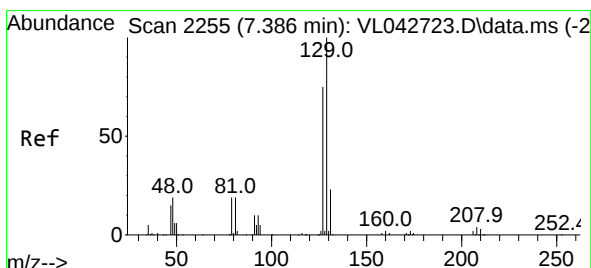
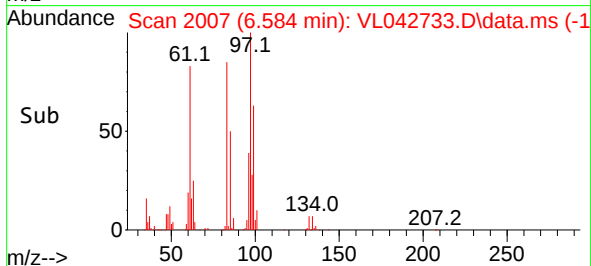
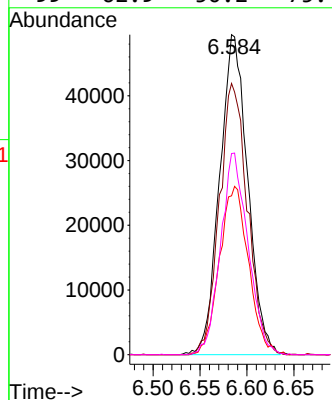
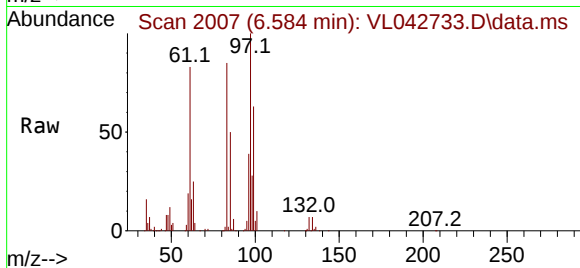
99 62.9 50.2 75.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#48

Dibromochloromethane

Concen: 10.142 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.007 min

Lab File: VL042733.D

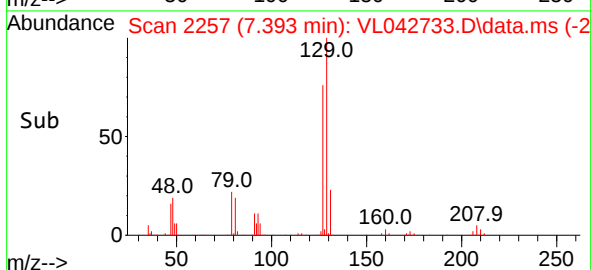
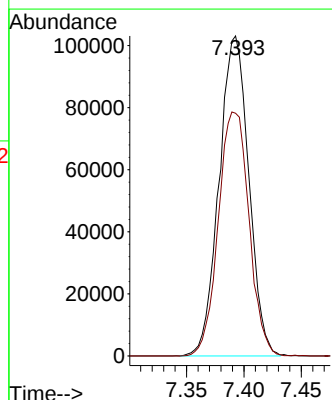
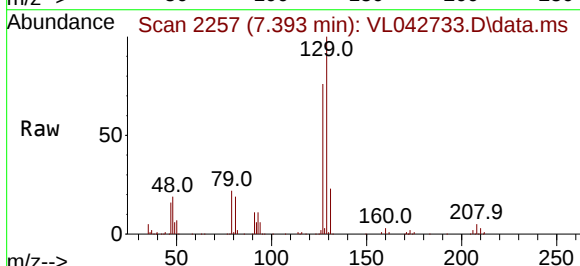
Acq: 22 Jul 2025 16:32

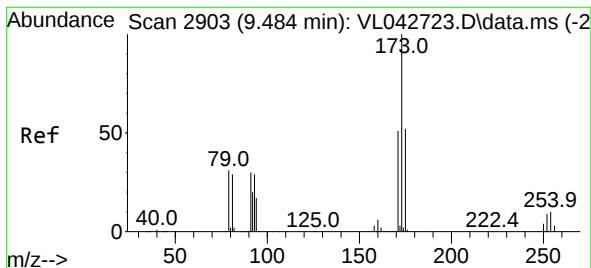
Tgt Ion:129 Resp: 185773

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.3





#49

Bromoform

Concen: 10.514 ppbv

RT: 9.490 min Scan# 2903

Delta R.T. 0.007 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

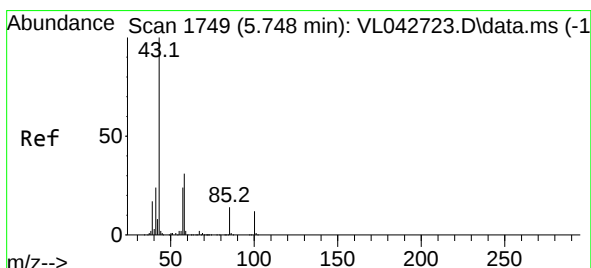
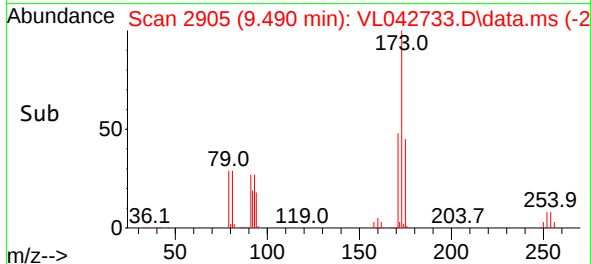
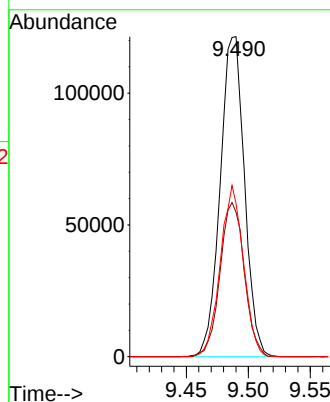
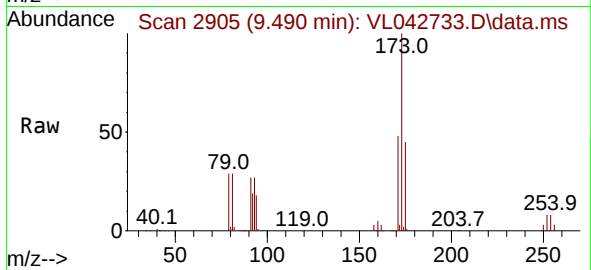
VL0722ABS01

Tgt Ion:173 Resp: 166279
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.9 58.3
 171 50.9 41.1 61.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#50

4-Methyl-2-Pentanone

Concen: 9.816 ppbv

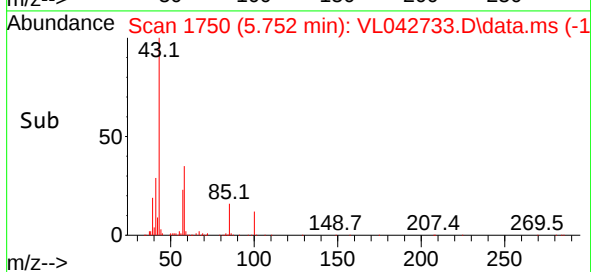
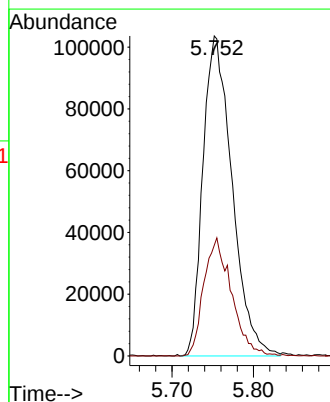
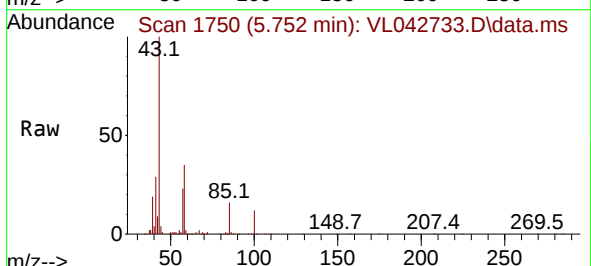
RT: 5.752 min Scan# 1750

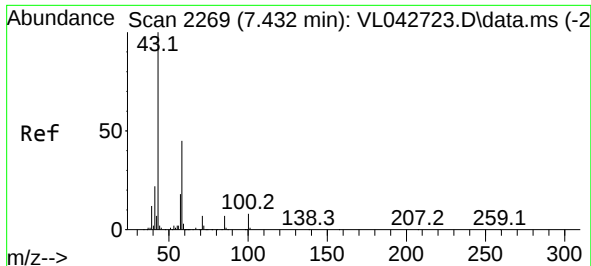
Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

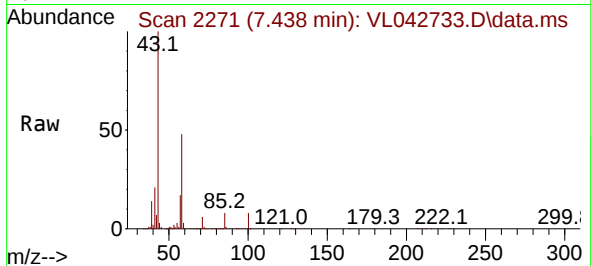
Tgt Ion: 43 Resp: 257624
 Ion Ratio Lower Upper
 43 100
 58 35.2 27.6 41.4





#51
2-Hexanone
Concen: 10.078 ppbv
RT: 7.438 min Scan# 21093
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

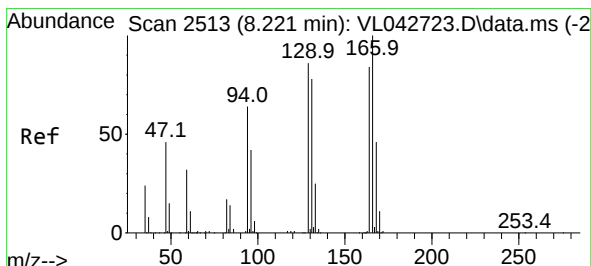
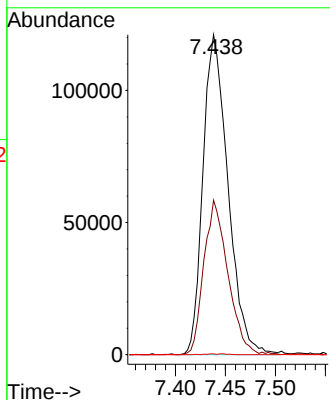
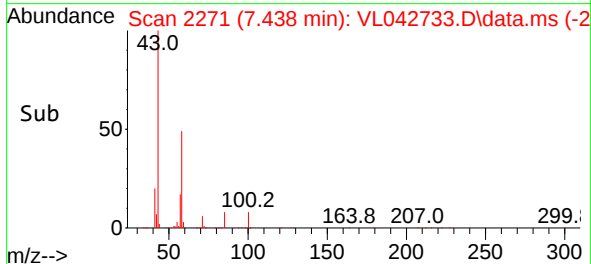
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



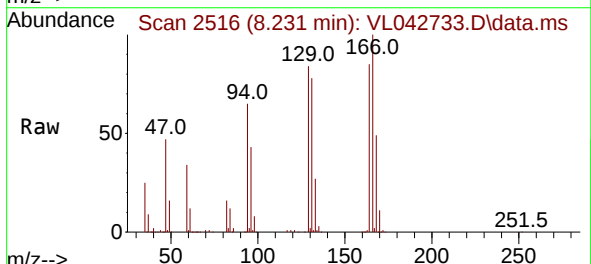
Tgt Ion: 43 Resp: 21093
Ion Ratio Lower Upper
43 100
58 46.6 37.9 56.9
98 0.2 0.2 0.2

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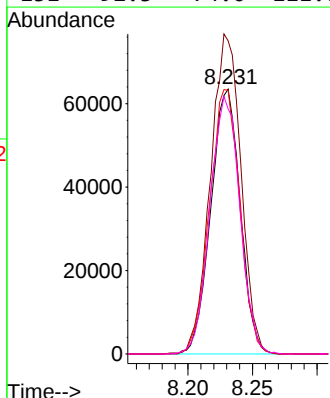
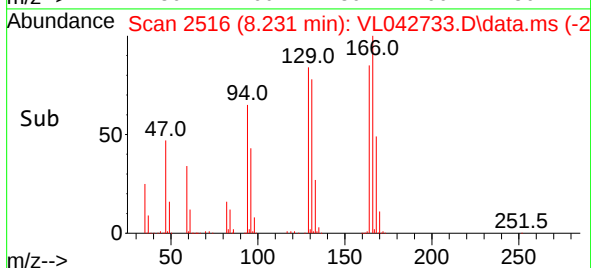
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

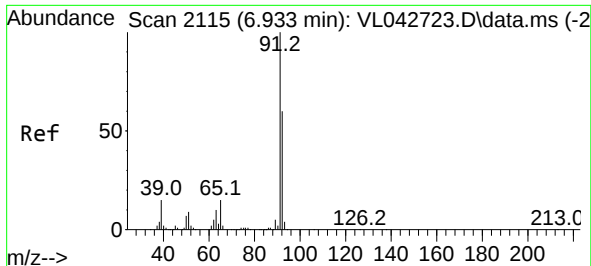


#52
Tetrachloroethene
Concen: 9.203 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion:164 Resp: 100199
Ion Ratio Lower Upper
164 100
166 118.3 95.1 142.7
129 99.5 81.9 122.9
131 92.3 74.0 111.0





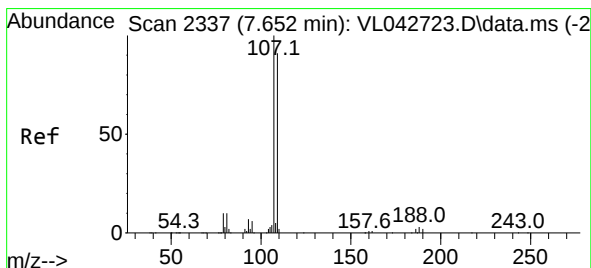
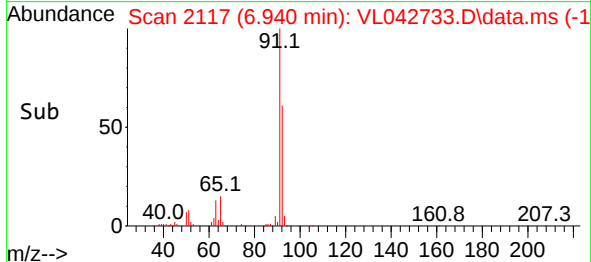
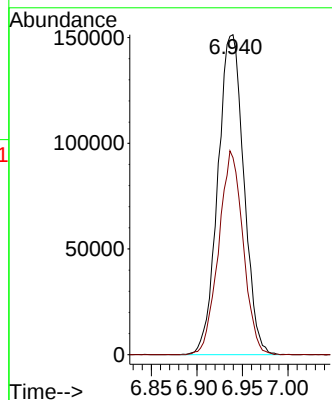
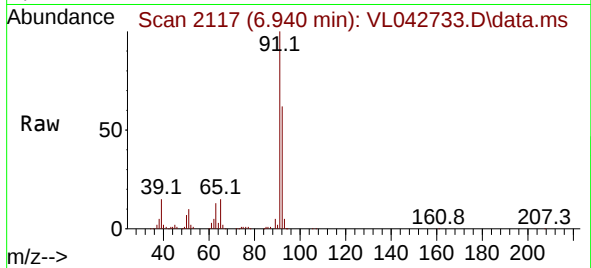
#53
Toluene
Concen: 9.841 ppbv
RT: 6.940 min Scan# 2115
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 91 Resp: 29978
Ion Ratio Lower Upper
91 100
92 60.1 48.2 72.4

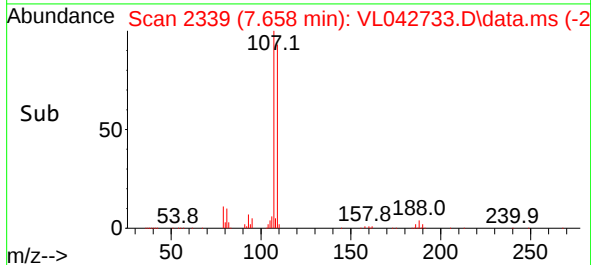
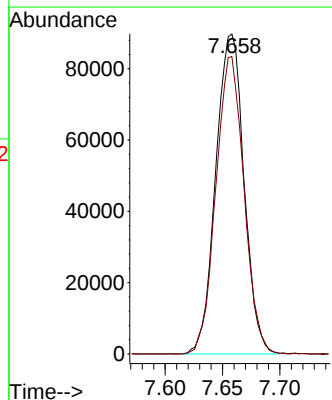
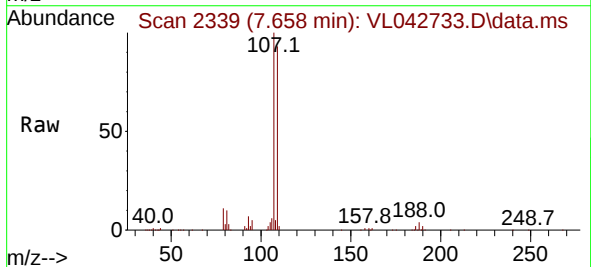
Manual Integrations
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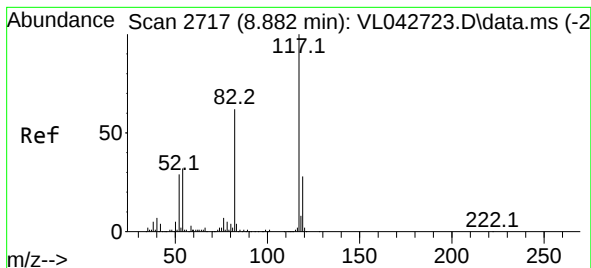
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#54
1,2-Dibromoethane
Concen: 9.376 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion:107 Resp: 153862
Ion Ratio Lower Upper
107 100
109 92.8 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

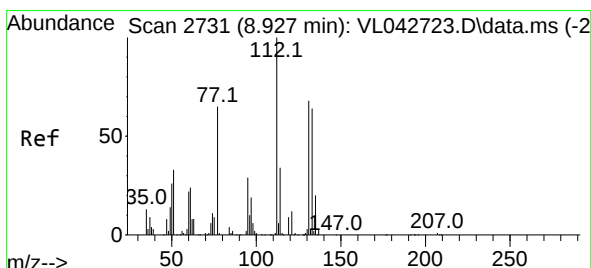
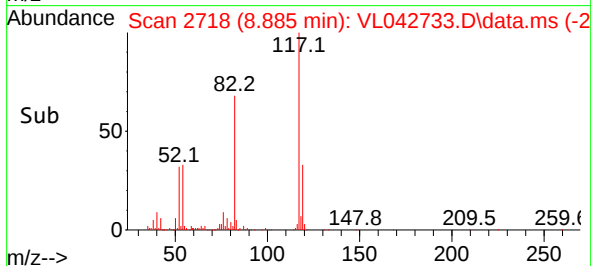
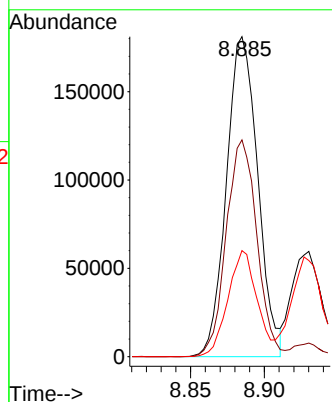
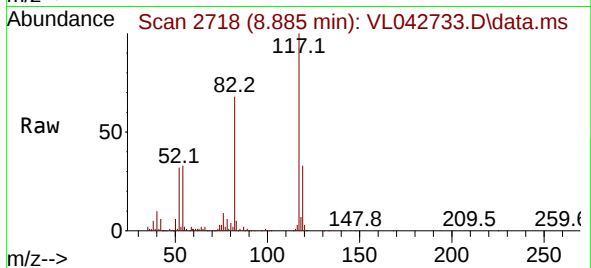
Tgt Ion:	117	Resp:	26826
Ion Ratio	Lower	Upper	
117	100		
82	69.9	54.6	81.8
119	32.0	25.3	37.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.626 ppbv

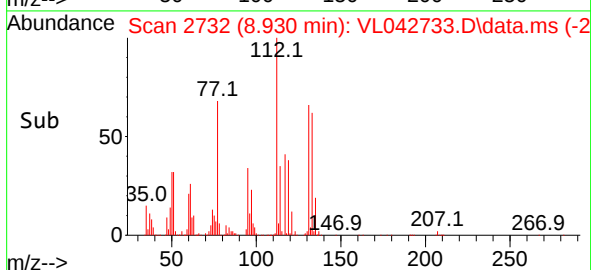
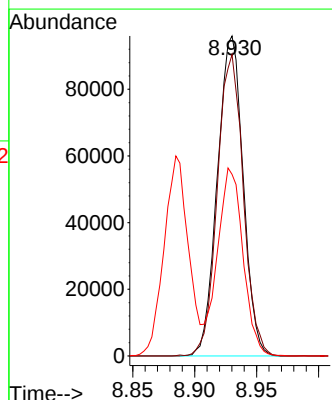
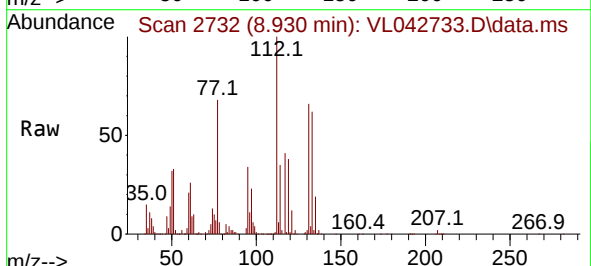
RT: 8.930 min Scan# 2732

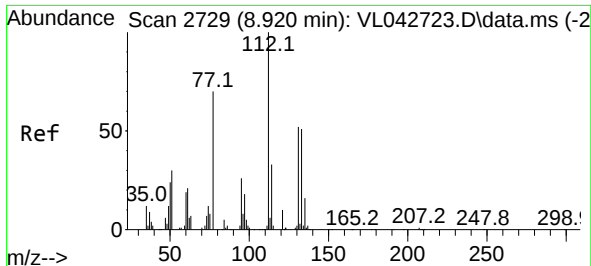
Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

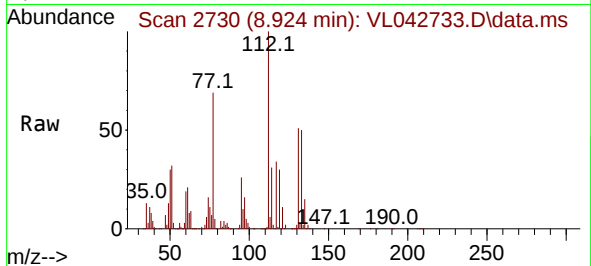
Tgt Ion:	131	Resp:	139123
Ion Ratio	Lower	Upper	
131	100		
133	94.8	77.4	116.0
119	59.0	48.6	73.0





#57
Chlorobenzene
Concen: 9.280 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

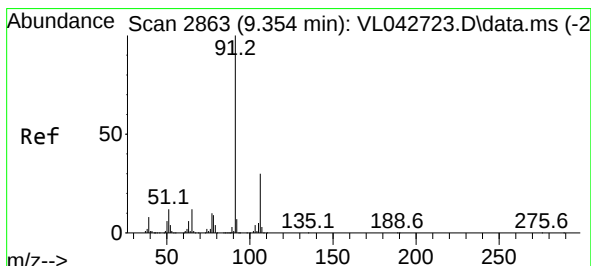
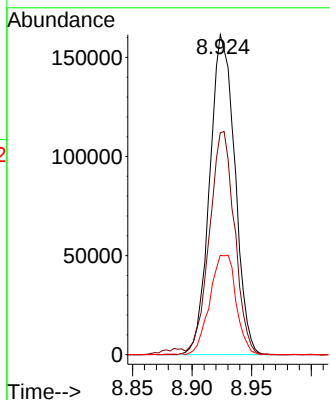
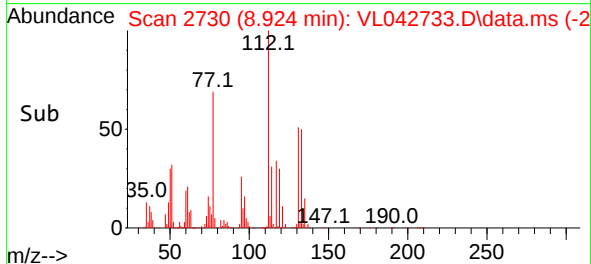
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



Tgt Ion: 112 Resp: 23713
Ion Ratio Lower Upper
112 100
77 69.4 57.2 85.8
114 31.0 29.8 36.4

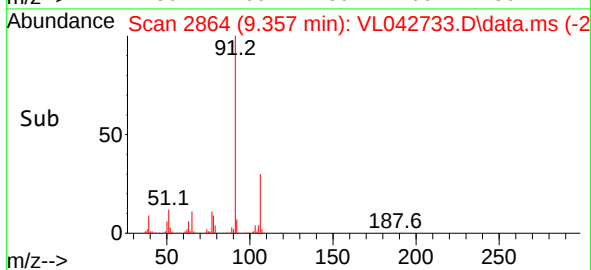
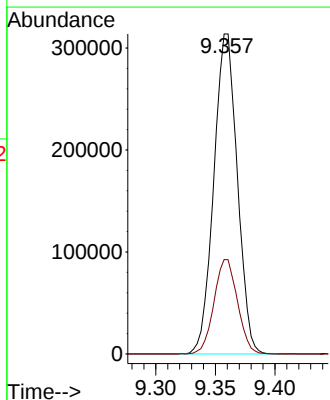
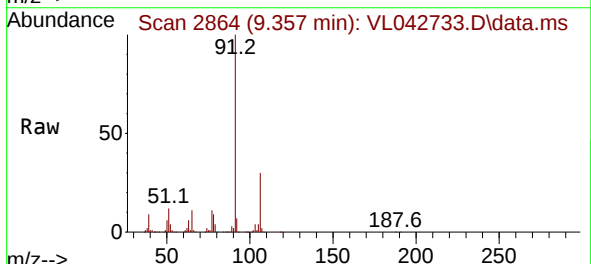
Manual Integrations
APPROVED

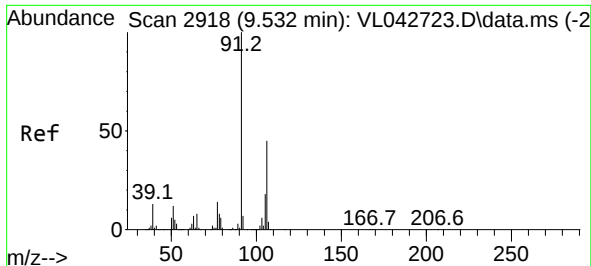
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58
Ethyl Benzene
Concen: 9.601 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 91 Resp: 430280
Ion Ratio Lower Upper
91 100
106 29.5 23.7 35.5





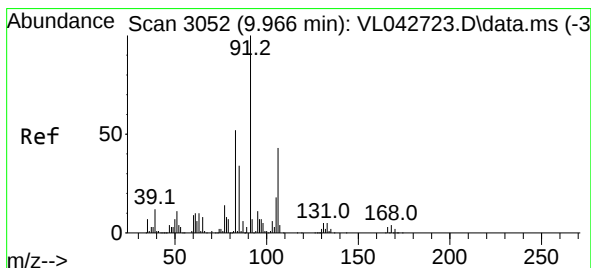
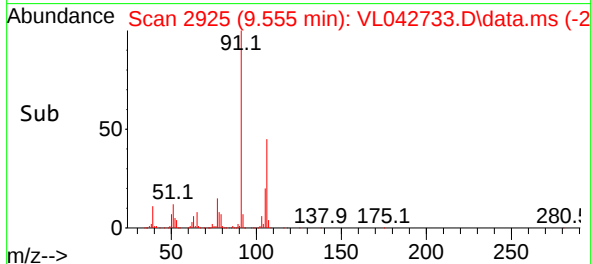
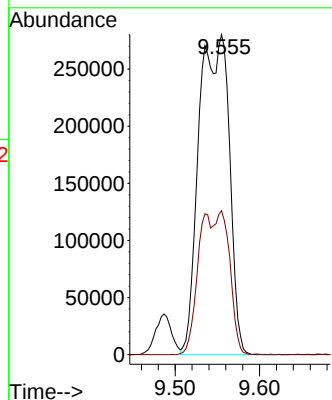
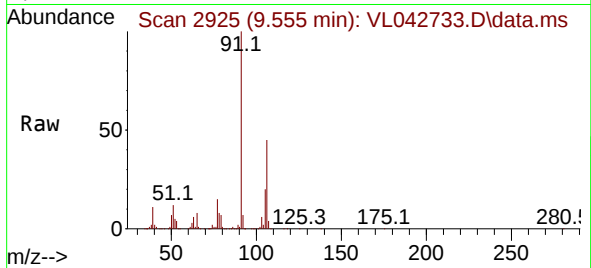
#59
m/p-Xylene
Concen: 19.489 ppbv m
RT: 9.555 min Scan# 2918
Delta R.T. 0.023 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 91 Resp: 69865
Ion Ratio Lower Upper
91 100
106 0.0 37.3 55.9

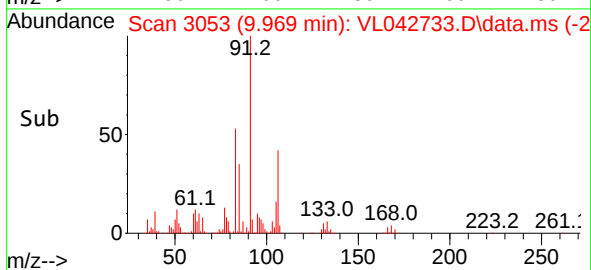
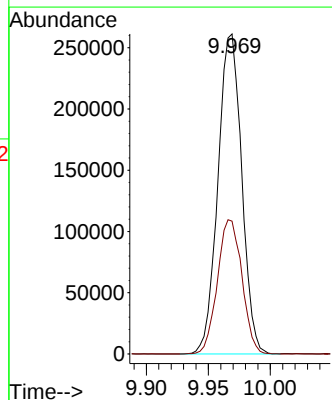
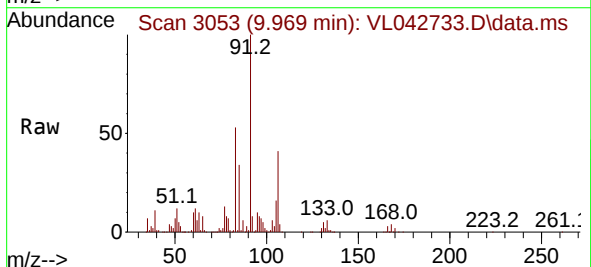
Manual Integrations
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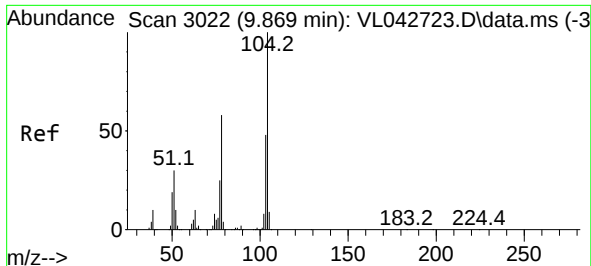
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#60
o-Xylene
Concen: 9.660 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion: 91 Resp: 349644
Ion Ratio Lower Upper
91 100
106 43.2 21.4 64.3





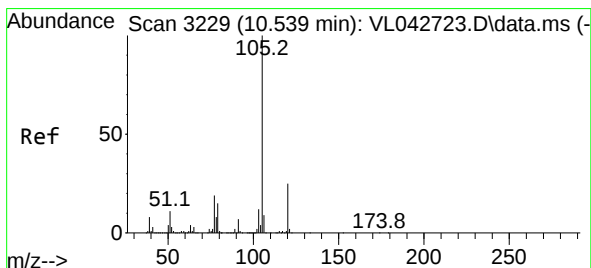
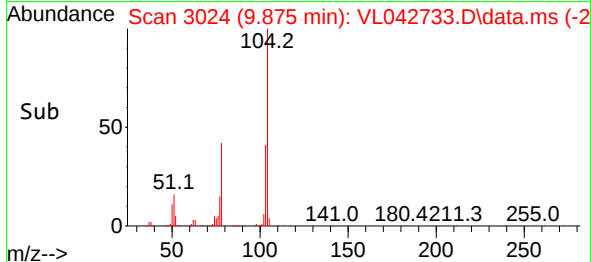
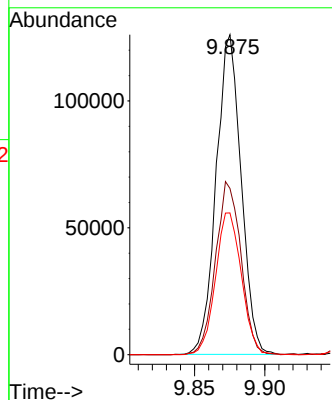
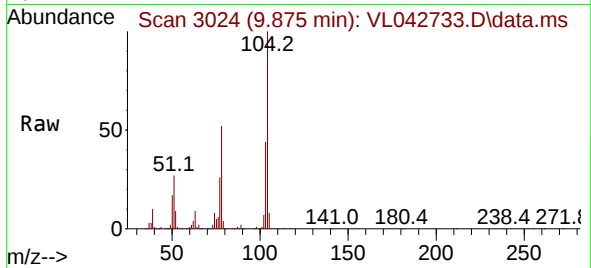
#61
Styrene
Concen: 9.986 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument : MSVOA_L
ClientSampleId : VL0722ABS01

Tgt Ion:104 Resp: 155690
Ion Ratio Lower Upper
104 100
78 55.2 43.4 65.2
103 46.1 37.8 56.6

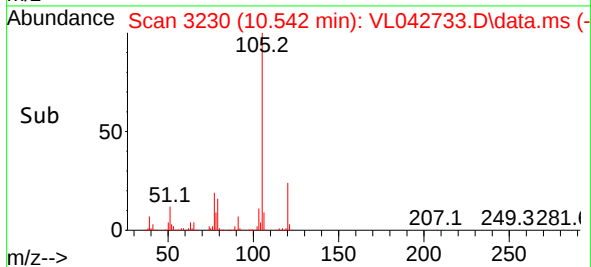
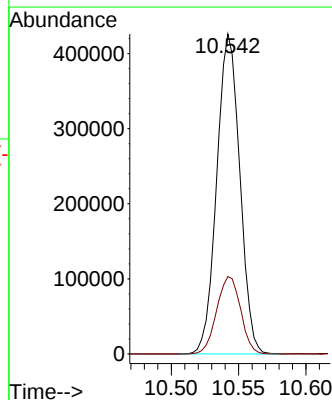
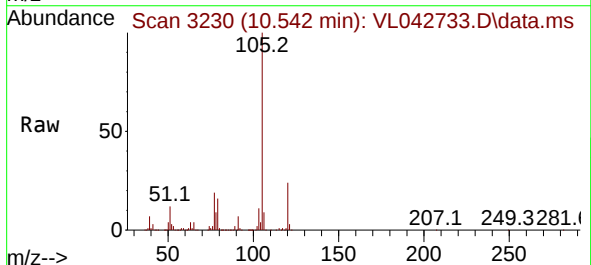
Manual Integrations
APPROVED

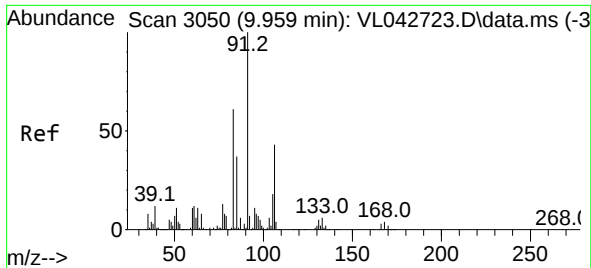
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#62
Isopropylbenzene
Concen: 9.418 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion:105 Resp: 506806
Ion Ratio Lower Upper
105 100
120 25.1 20.2 30.2





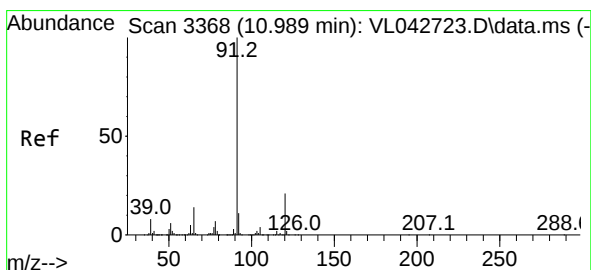
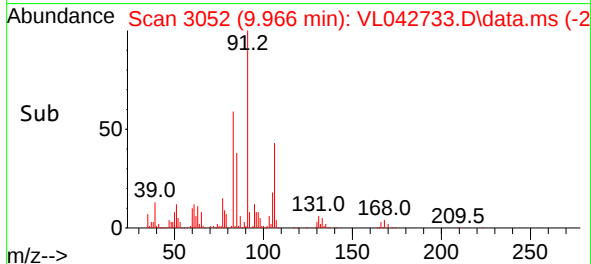
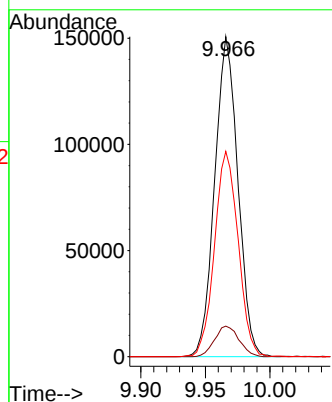
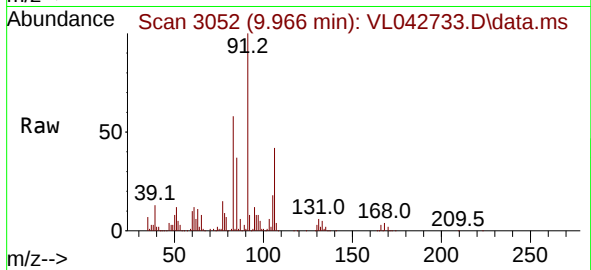
#63
1,1,2,2-Tetrachloroethane
Concen: 9.093 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 83 Resp: 188180
Ion Ratio Lower Upper
83 100
131 10.1 5.2 15.6
85 65.4 32.1 96.5

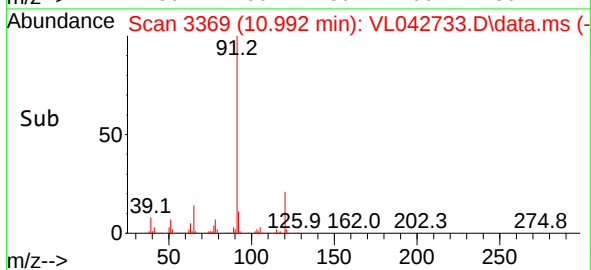
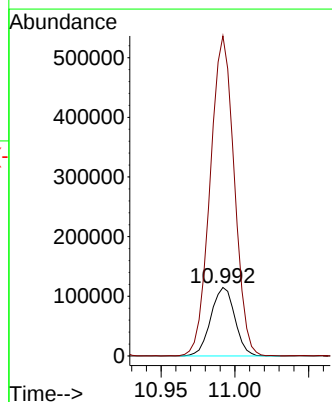
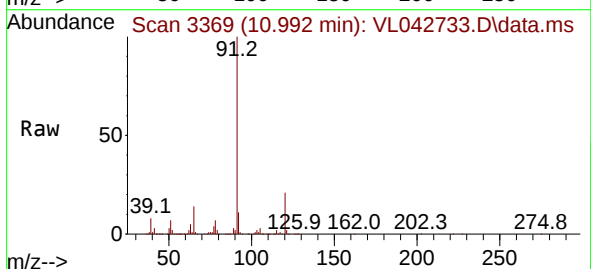
Manual Integrations
APPROVED

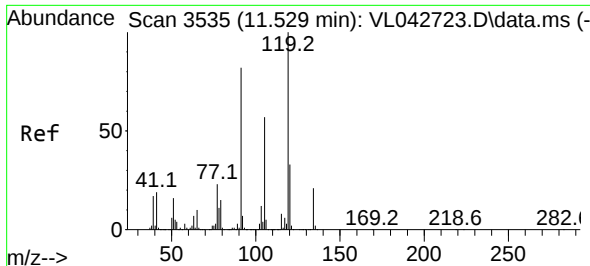
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 9.568 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

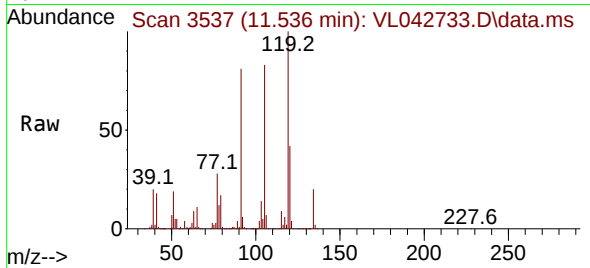
Tgt Ion:120 Resp: 129876
Ion Ratio Lower Upper
120 100
91 469.8 377.4 566.0





#65
tert-Butylbenzene
Concen: 9.434 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

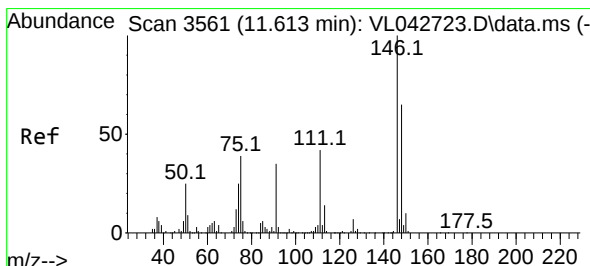
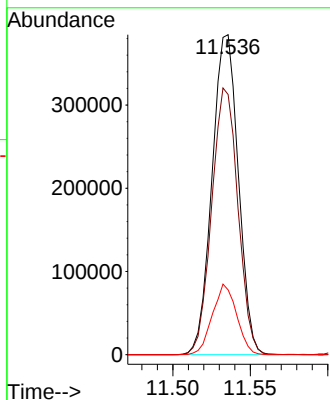
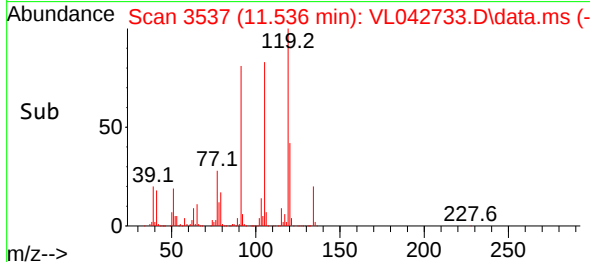
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



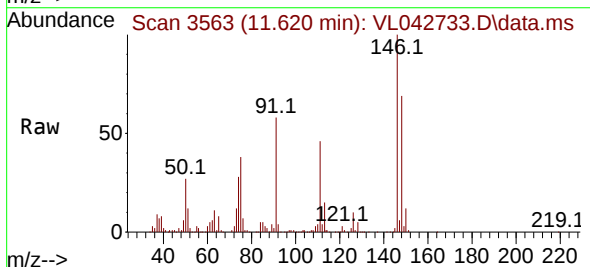
Tgt Ion: 119 Resp: 454274
Ion Ratio Lower Upper
119 100
91 83.2 66.5 99.7
134 20.3 16.7 25.1

Manual Integrations
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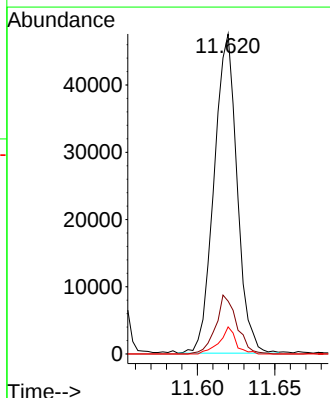
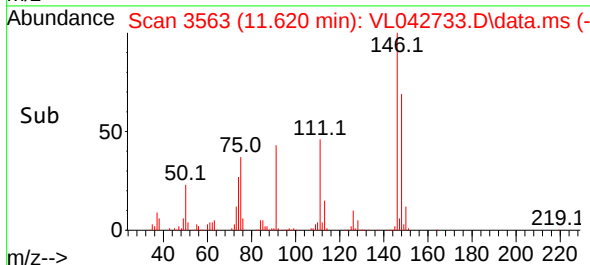
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

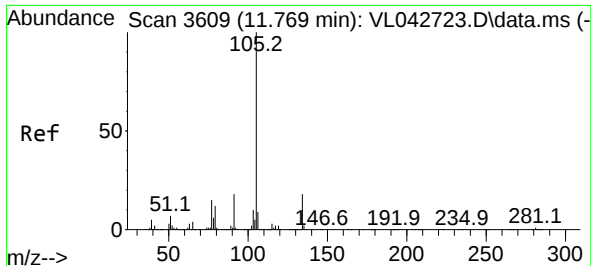


#66
Benzyl Chloride
Concen: 10.703 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion: 91 Resp: 49022
Ion Ratio Lower Upper
91 100
126 16.8 15.0 22.4
128 6.1 5.0 7.6





#67

sec-Butylbenzene

Concen: 9.667 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion:105 Resp: 639420

Ion Ratio Lower Upper

105 100

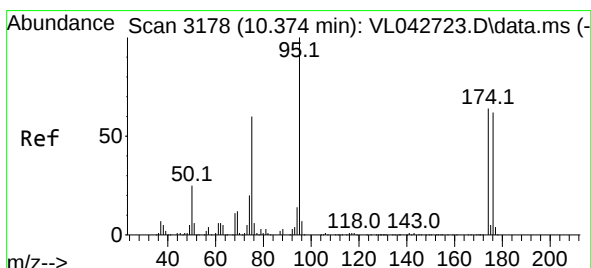
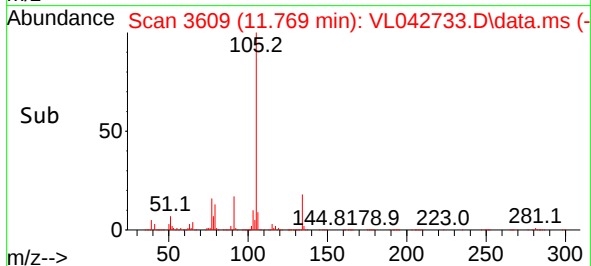
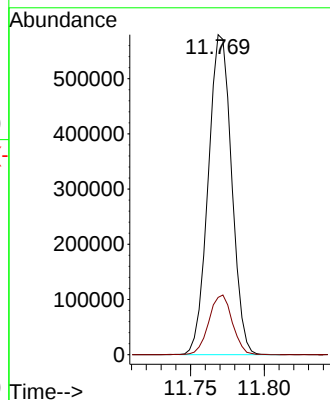
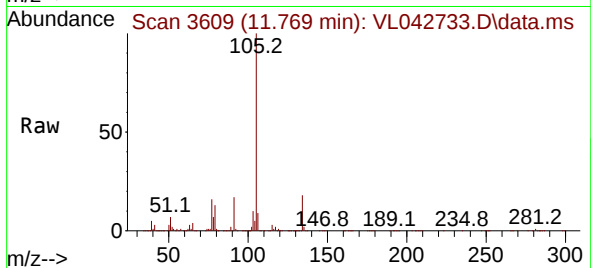
134 18.8 15.0 22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.378 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.007 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

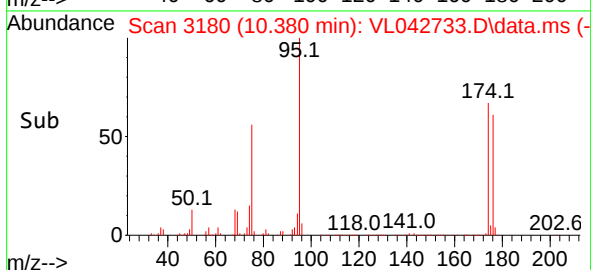
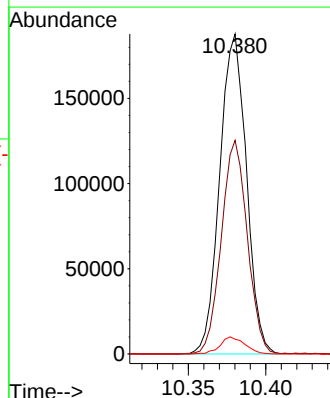
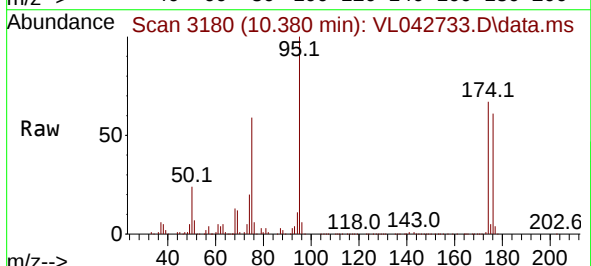
Tgt Ion: 95 Resp: 225022

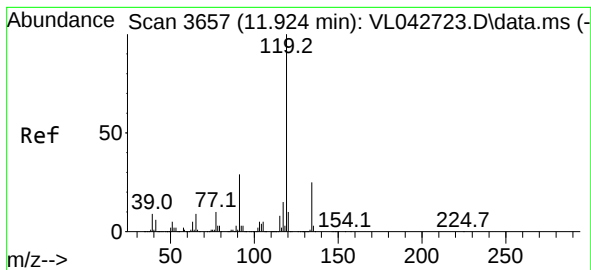
Ion Ratio Lower Upper

95 100

174 65.0 51.4 77.2

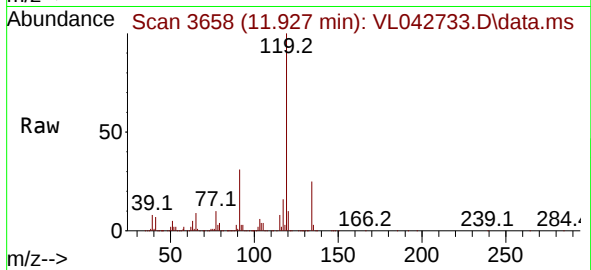
175 4.9 4.2 6.4





#69
p-Isopropyltoluene
Concen: 9.835 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

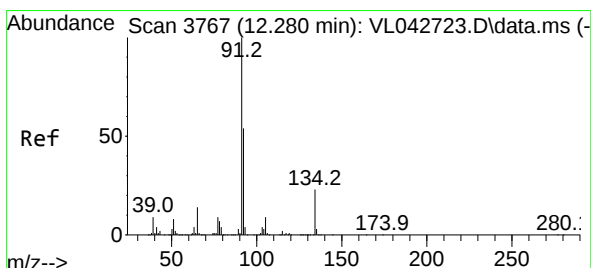
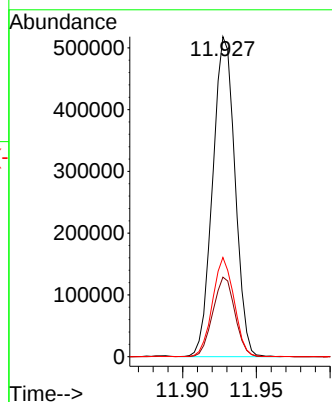
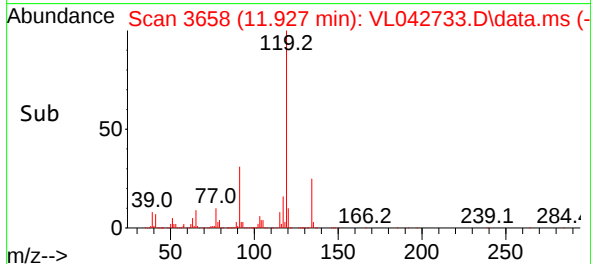
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



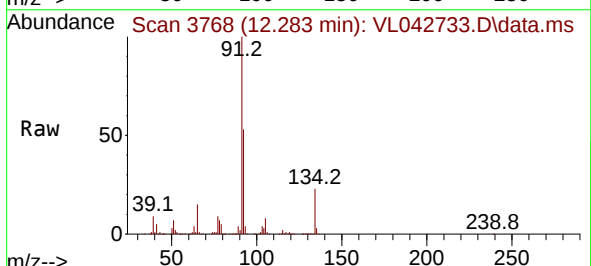
Tgt Ion:119 Resp: 54484
Ion Ratio Lower Upper
119 100
134 24.7 19.8 29.6
91 30.1 23.9 35.9

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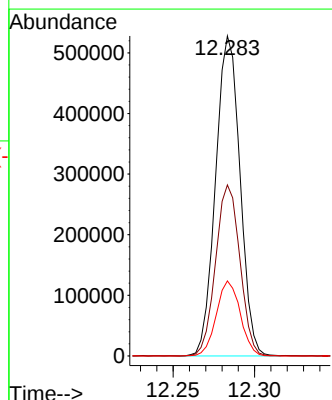
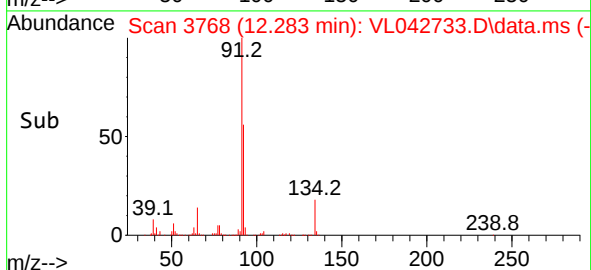
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

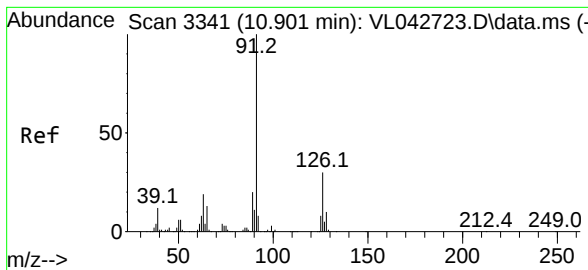


#70
n-Butylbenzene
Concen: 10.366 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion: 91 Resp: 548863
Ion Ratio Lower Upper
91 100
92 53.3 43.2 64.8
134 23.0 19.0 28.6





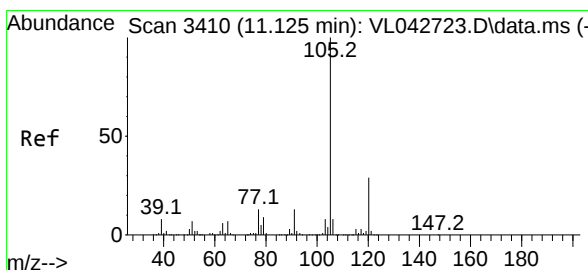
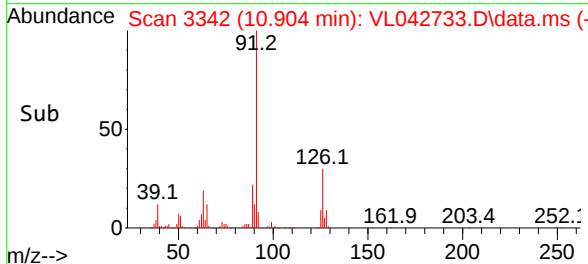
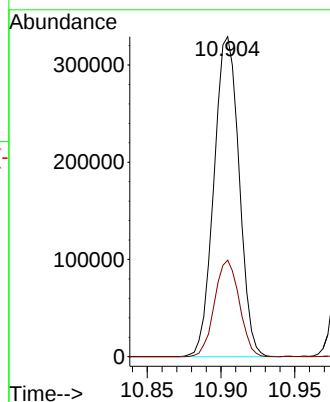
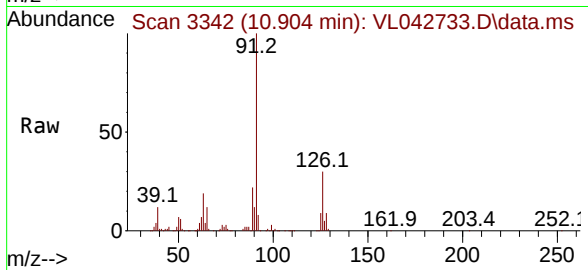
#71
2-Chlorotoluene
Concen: 9.581 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01

Tgt Ion: 91 Resp: 39080
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.4

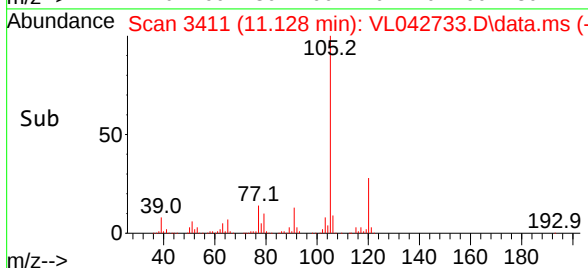
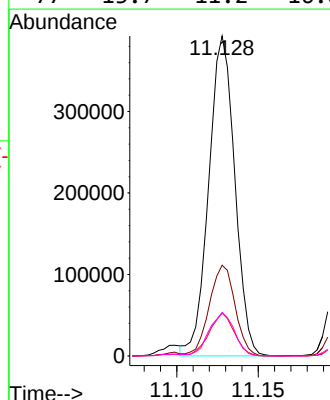
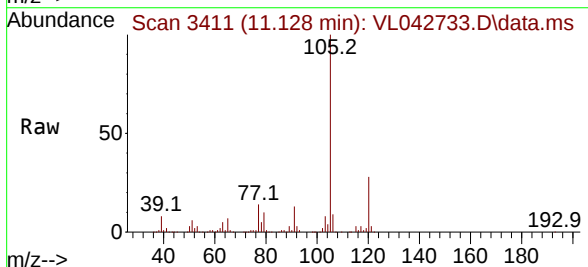
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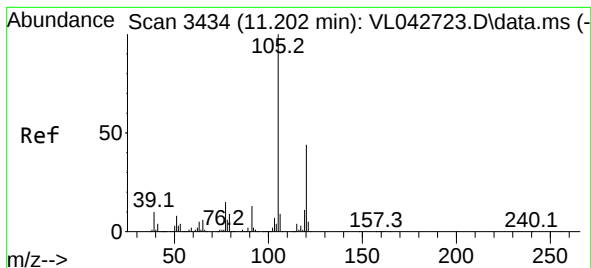
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#72
4-Ethyltoluene
Concen: 10.097 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

Tgt Ion:105 Resp: 435847
Ion Ratio Lower Upper
105 100
120 29.0 23.4 35.0
91 13.3 10.6 15.8
77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.202 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion:105 Resp: 364240

Ion Ratio Lower Upper

105 100

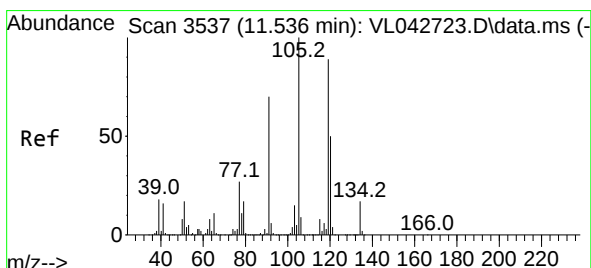
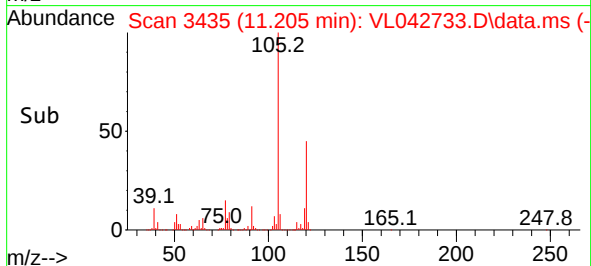
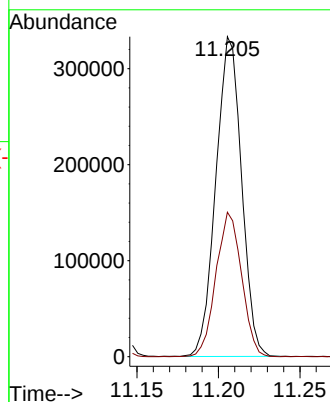
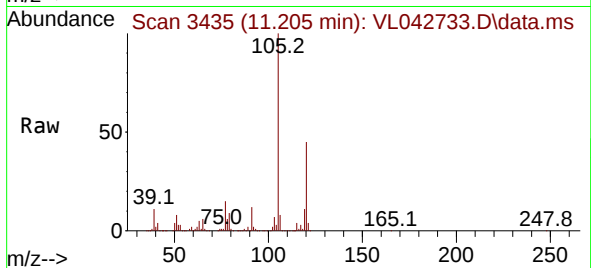
120 45.2 35.2 52.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.071 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Tgt Ion:105 Resp: 394467

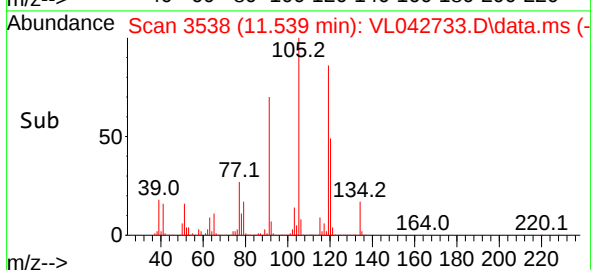
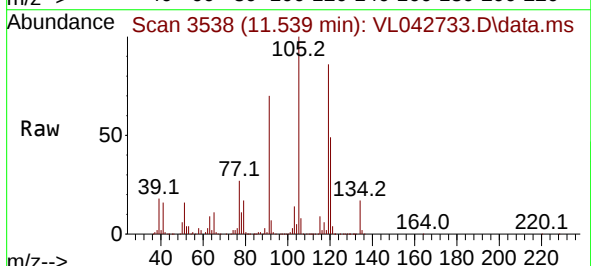
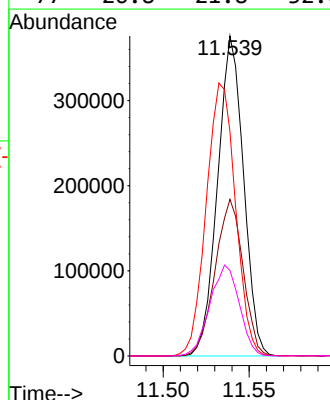
Ion Ratio Lower Upper

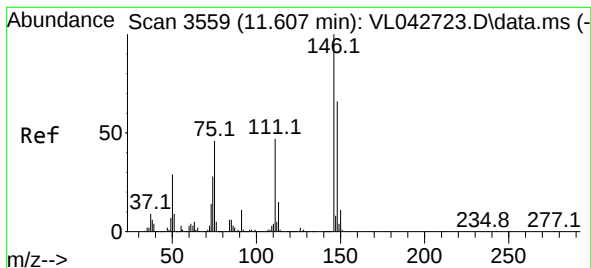
105 100

120 48.9 39.9 59.9

91 70.1 56.5 84.7

77 26.8 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 9.453 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

VL0722ABS01

Tgt Ion:146 Resp: 24761

Ion Ratio Lower Upper

146 100

111 45.6 23.5 70.5

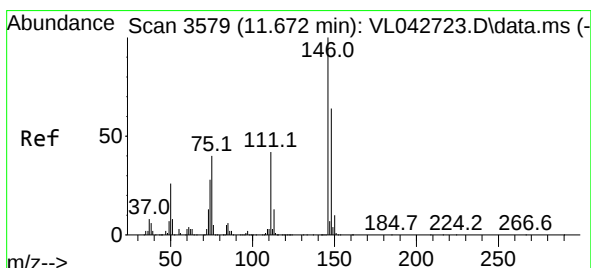
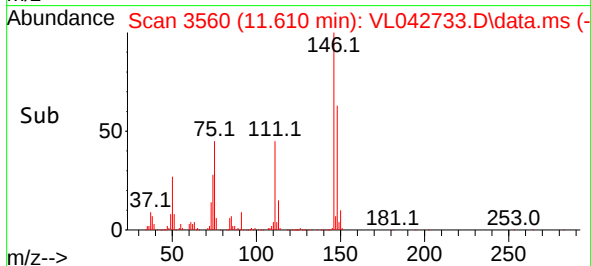
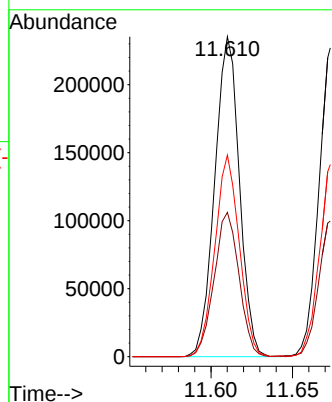
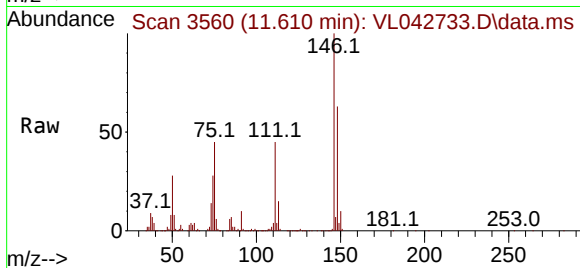
148 62.3 32.6 98.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#76

1,4-Dichlorobenzene

Concen: 9.905 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

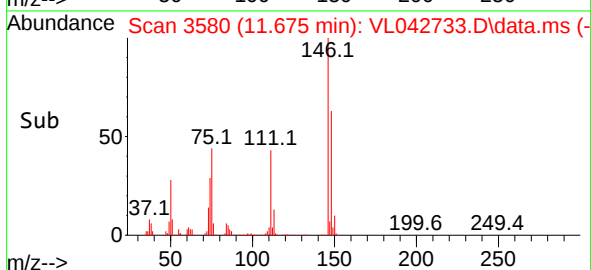
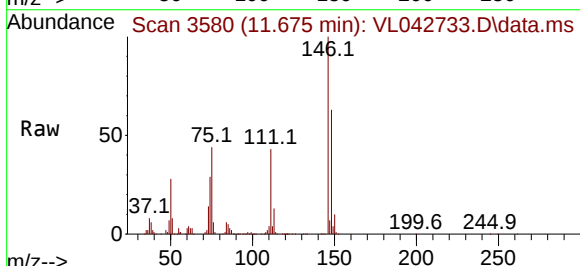
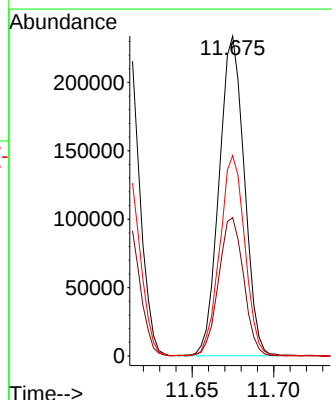
Tgt Ion:146 Resp: 250979

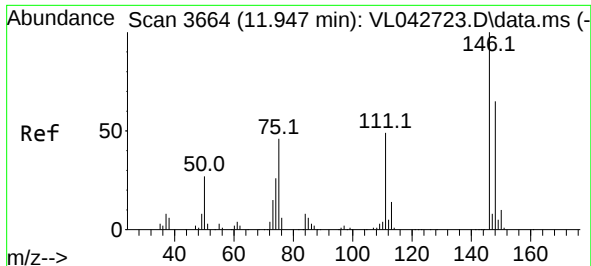
Ion Ratio Lower Upper

146 100

111 43.1 22.1 66.1

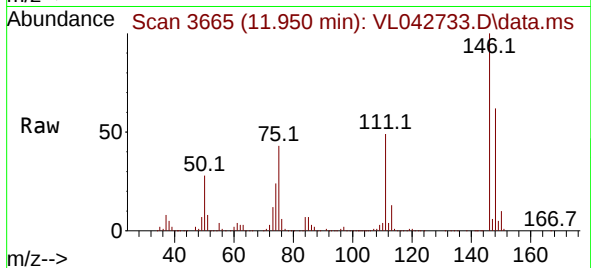
148 62.7 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 9.500 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32

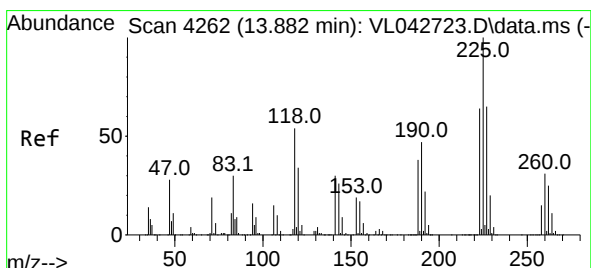
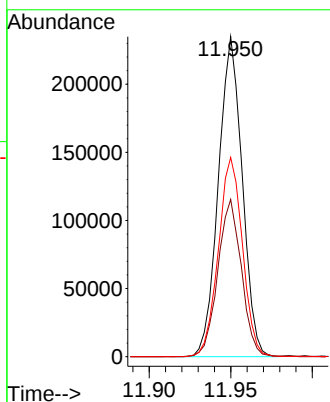
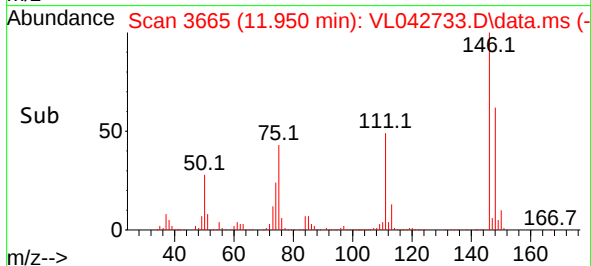
Instrument :
MSVOA_L
ClientSampleId :
VL0722ABS01



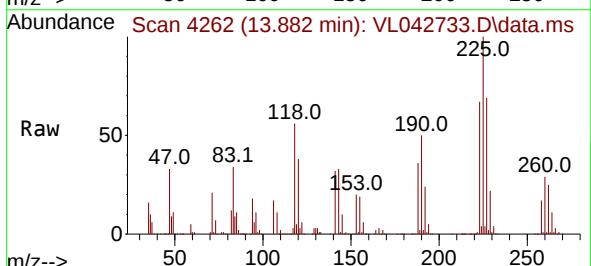
Tgt Ion:146 Resp: 23856
Ion Ratio Lower Upper
146 100
111 48.7 24.9 74.6
148 63.0 32.0 96.0

Manual Integrations
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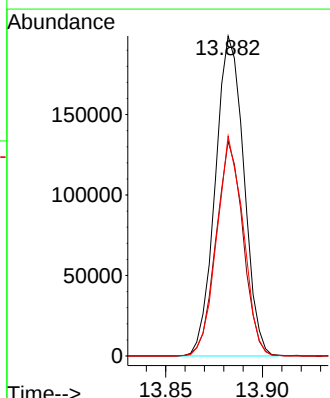
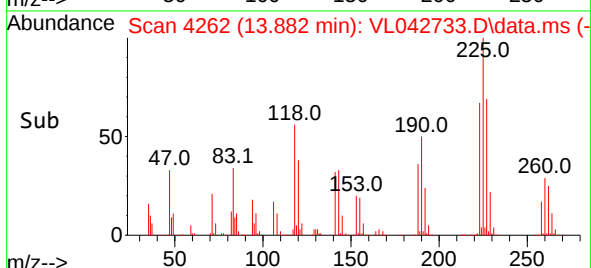
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

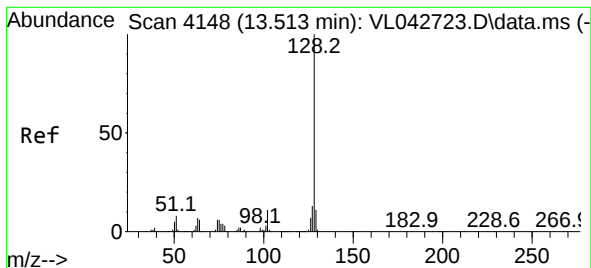


#78
Hexachloro-1,3-Butadiene
Concen: 8.345 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.000 min
Lab File: VL042733.D
Acq: 22 Jul 2025 16:32



Tgt Ion:225 Resp: 203981
Ion Ratio Lower Upper
225 100
223 63.5 51.3 76.9
227 64.1 51.8 77.8





#79

Naphthalene

Concen: 13.555 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

Instrument :

MSVOA_L

ClientSampleId :

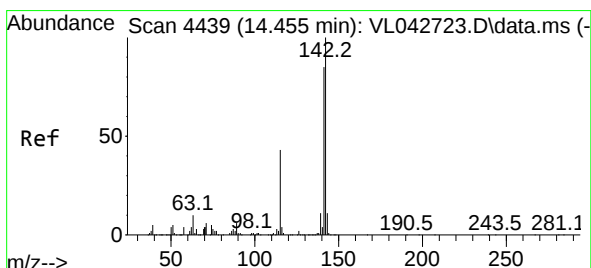
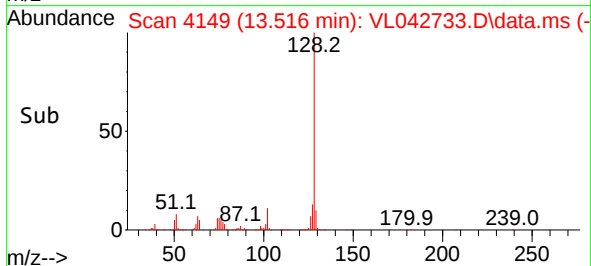
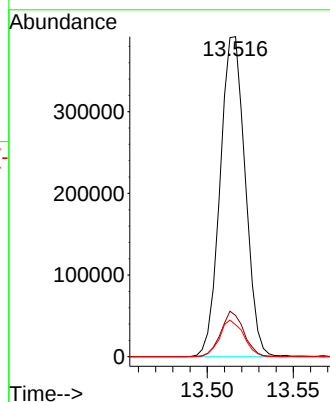
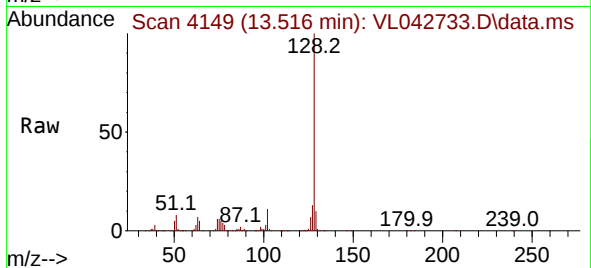
VL0722ABS01

Tgt Ion:128 Resp: 397198
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.0 8.6 13.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#80

Naphthalene,2-methyl-

Concen: 20.301 ppbv

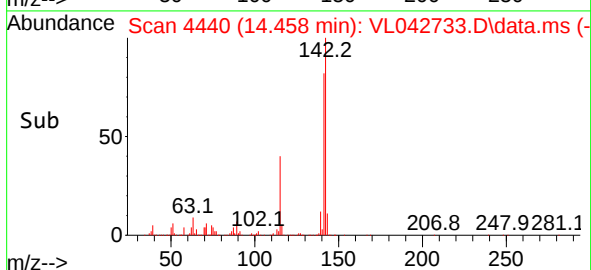
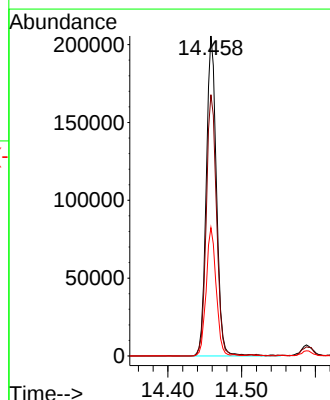
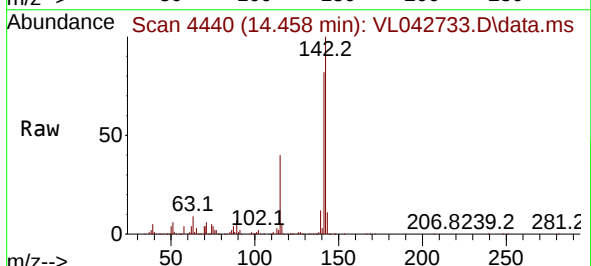
RT: 14.458 min Scan# 4440

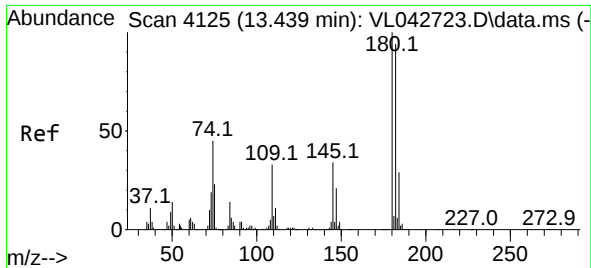
Delta R.T. 0.003 min

Lab File: VL042733.D

Acq: 22 Jul 2025 16:32

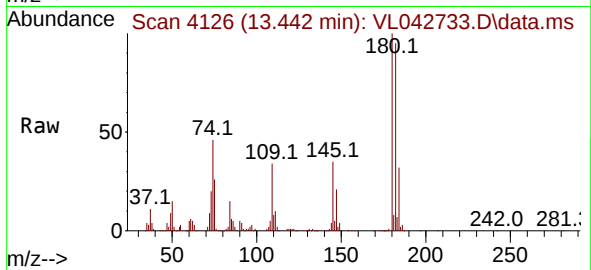
Tgt Ion:142 Resp: 195754
 Ion Ratio Lower Upper
 142 100
 141 83.3 65.6 98.4
 115 40.1 31.7 47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 12.282 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042733.D
 Acq: 22 Jul 2025 16:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0722ABS01



Tgt Ion:180 Resp: 21949
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.1 115.7
 184 31.1 25.0 37.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

