

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042591.D
 Acq On : 29 May 2025 18:27
 Operator : SY/MD
 Sample : VL0529ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:11:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	106381	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	304509	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	271830	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 207449 10.181 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	119309	9.125	ppbv	96
3) Chlorodifluoromethane	1.479	51	153681	8.535	ppbv	100
4) Chloromethane	1.538	50	46128	8.909	ppbv	100
5) Vinyl Chloride	1.583	62	43153	8.182	ppbv	99
6) Bromomethane	1.670	94	21392	8.333	ppbv	96
7) Chloroethane	1.709	64	17848	8.709	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	96521	8.860	ppbv	98
9) Propene	1.486	41	62215	8.579	ppbv	99
10) Heptane	4.991	43	178704	8.743	ppbv	100
11) Trichlorofluoromethane	1.881	101	118918	9.775	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	92153	9.647	ppbv	97
13) Ethanol	1.725	45	4884	5.651	ppbv	97
14) Bromoethene	1.787	108	32689	9.098	ppbv	98
15) Acetone	1.839	43	96944	7.565	ppbv	97
16) 1,3-Butadiene	1.612	39	51200	8.435	ppbv	96
17) tert-Butyl alcohol	2.046	59	124231	9.306	ppbv	99
18) 1,1-Dichloroethene	2.039	96	41243	9.315	ppbv	97
19) Isopropyl Alcohol	1.890	45	66825	8.724	ppbv	99
20) Methylene Chloride	2.065	84	34577	8.177	ppbv	97
21) Allyl Chloride	2.101	41	83677	9.255	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	46918	9.487	ppbv	96
23) Vinyl Acetate	2.470	43	176545	10.192	ppbv	98
24) 1,1-Dichloroethane	2.415	63	93494	9.188	ppbv	99
25) Ethyl Acetate	2.842	43	309151	8.816	ppbv	99
26) Hexane	2.836	57	136644	8.576	ppbv	99
27) Carbon Disulfide	2.156	76	115247	9.421	ppbv #	92
28) Methyl tert-Butyl Ether	2.447	73	59350	9.179	ppbv	97
29) Chloroform	2.855	83	186648	9.008	ppbv	98
30) Cyclohexane	3.868	84	117225	8.874	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	130230	8.935	ppbv	97
32) 1,1,1-Trichloroethane	3.379	97	185446	8.760	ppbv	99
34) 2-Butanone	2.564	43	201605	9.284	ppbv	99
35) Carbon Tetrachloride	3.774	117	185074	9.207	ppbv	99
36) Benzene	3.667	78	272433	9.085	ppbv	99
37) 1,2-Dichloroethane	3.227	62	142338	9.551	ppbv	99
38) Trichloroethene	4.564	130	114177	8.958	ppbv	97
39) 1,2-Dichloropropane	4.324	63	99778	8.998	ppbv	96
40) 1,4-Dioxane	4.600	88	44586	8.985	ppbv #	89
41) Tetrahydrofuran	3.062	42	114785	9.030	ppbv	97
42) Bromodichloromethane	4.502	83	203990	9.637	ppbv	96
43) Methyl Methacrylate	4.894	69	108252	9.301	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	469200	9.148	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	124105	9.319	ppbv	96

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 Supervised By :Mahesh Dadoda 05/30/2025

Quant Time: May 30 02:11:39 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

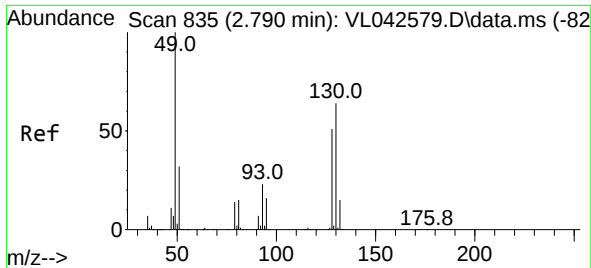
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

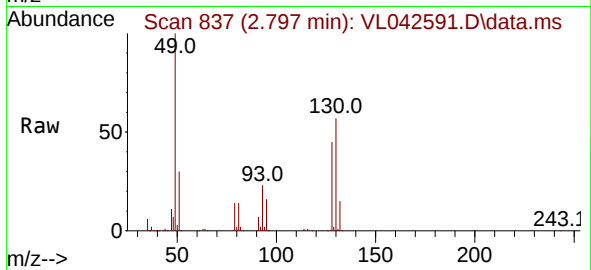
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	154951	9.285	ppbv	97
47) 1,1,2-Trichloroethane	6.600	97	104561	9.109	ppbv	92
48) Dibromochloromethane	7.399	129	172109	9.366	ppbv	100
49) Bromoform	9.497	173	146803	9.258	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	273778	9.089	ppbv	100
51) 2-Hexanone	7.451	43	223716	9.365	ppbv #	98
52) Tetrachloroethene	8.238	164	96938	8.651	ppbv	96
53) Toluene	6.949	91	313414	9.043	ppbv	100
54) 1,2-Dibromoethane	7.665	107	154274	9.080	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	126022	9.220	ppbv	97
57) Chlorobenzene	8.933	112	238351	9.030	ppbv	98
58) Ethyl Benzene	9.367	91	429601	9.317	ppbv	95
59) m/p-Xylene	9.561	91	671824m	18.515	ppbv	
60) o-Xylene	9.976	91	335550	9.272	ppbv	98
61) Styrene	9.882	104	160164	9.360	ppbv	99
62) Isopropylbenzene	10.548	105	494692	9.253	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.976	83	206035	8.953	ppbv	99
64) n-propylbenzene	10.998	120	130645	9.116	ppbv	99
65) tert-Butylbenzene	11.539	119	429459	8.852	ppbv	98
66) Benzyl Chloride	11.623	91	55881	8.948	ppbv	99
67) sec-Butylbenzene	11.775	105	610578	8.951	ppbv	99
69) p-Isopropyltoluene	11.934	119	517737	9.064	ppbv	100
70) n-Butylbenzene	12.290	91	517212	9.173	ppbv	98
71) 2-Chlorotoluene	10.911	91	373380	9.156	ppbv	99
72) 4-Ethyltoluene	11.134	105	409747	9.081	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	340820	9.127	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	371004	8.953	ppbv	93
75) 1,3-Dichlorobenzene	11.617	146	237761	9.136	ppbv	98
76) 1,4-Dichlorobenzene	11.681	146	233300	8.989	ppbv	100
77) 1,2-Dichlorobenzene	11.956	146	224628	8.894	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	167082	7.995	ppbv	99
79) Naphthalene	13.520	128	374244	9.581	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	187133	10.604	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	199137	9.132	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

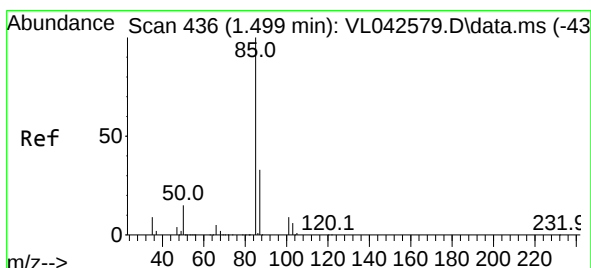
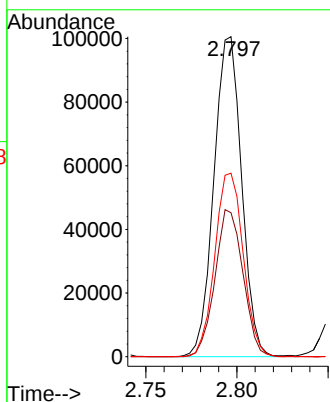
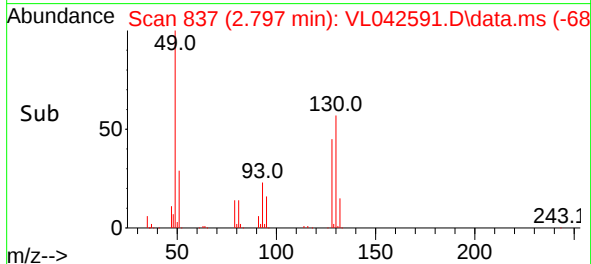
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



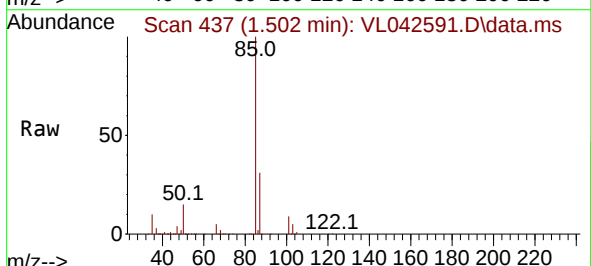
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Ion Ratio Lower Upper
49 100
128 46.4 24.2 72.6
130 58.8 30.4 91.2

Manual Integrations
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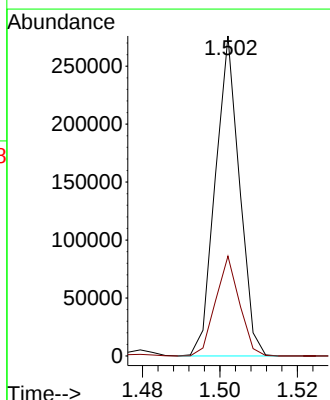
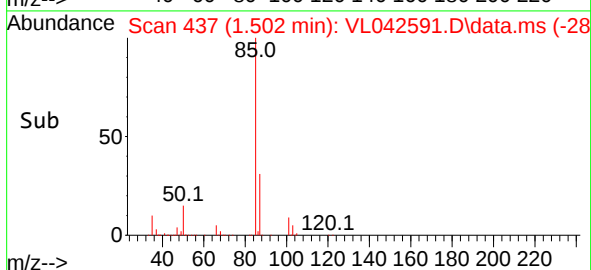
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

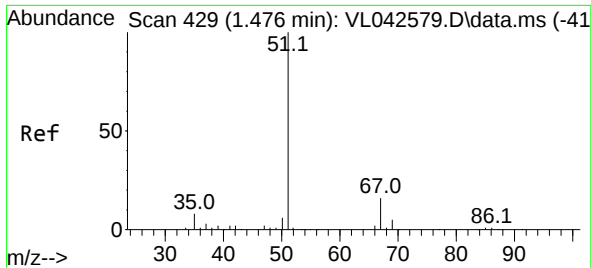


#2
Dichlorodifluoromethane
Concen: 9.125 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion: 85 Resp: 119309
Ion Ratio Lower Upper
85 100
87 31.2 26.6 39.8





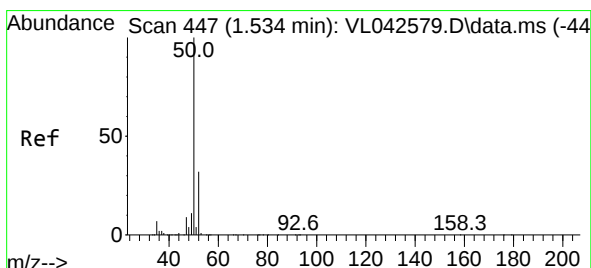
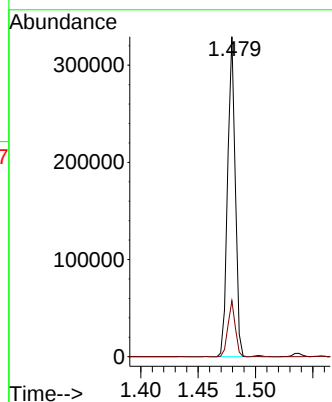
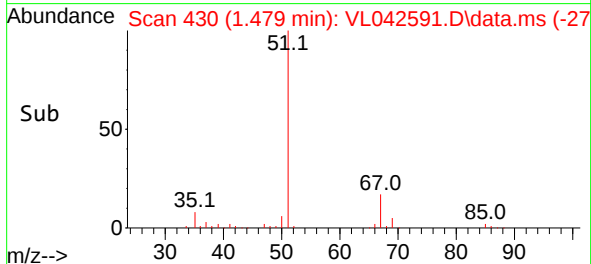
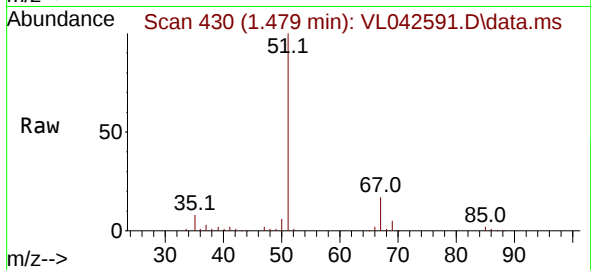
#3
Chlorodifluoromethane
Concen: 8.535 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 51 Resp: 15368
Ion Ratio Lower Upper
51 100
67 16.9 13.4 20.2

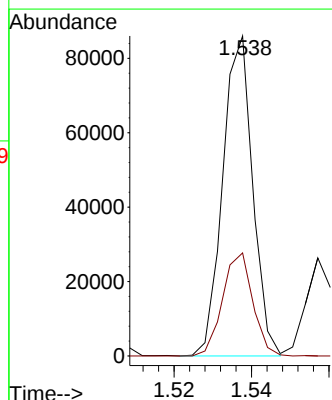
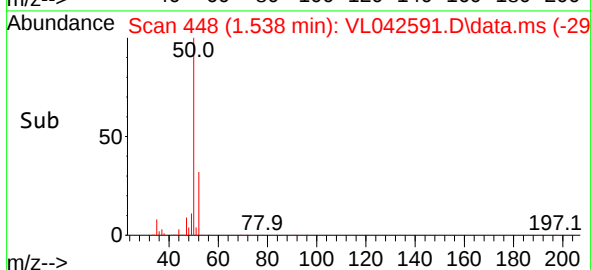
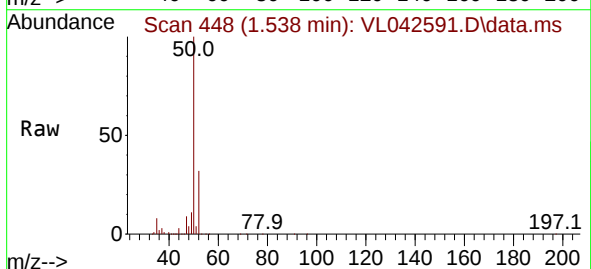
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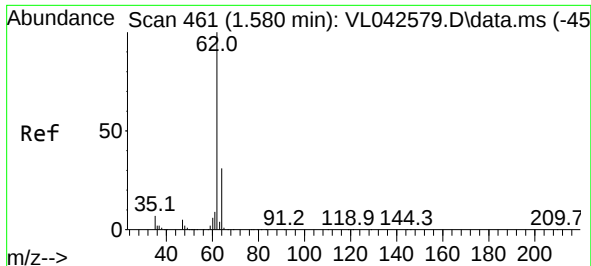
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#4
Chloromethane
Concen: 8.909 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion: 50 Resp: 46128
Ion Ratio Lower Upper
50 100
52 32.2 25.8 38.6





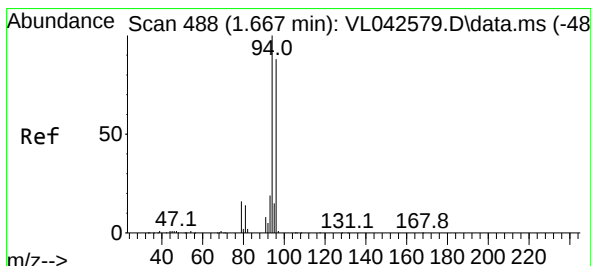
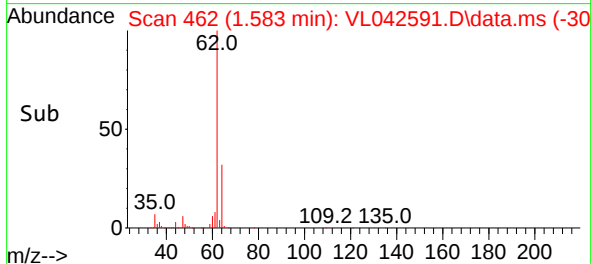
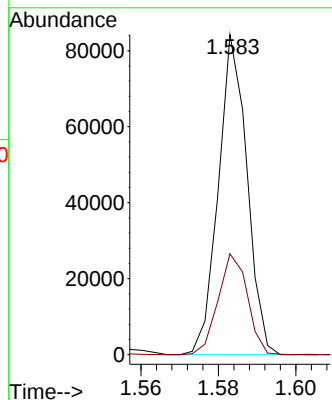
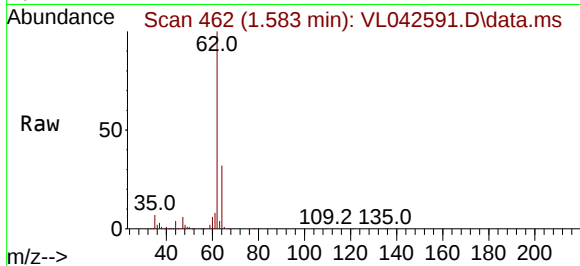
#5
 Vinyl Chloride
 Concen: 8.182 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tgt Ion: 62 Resp: 4315
 Ion Ratio Lower Upper
 62 100
 64 31.6 24.9 37.3

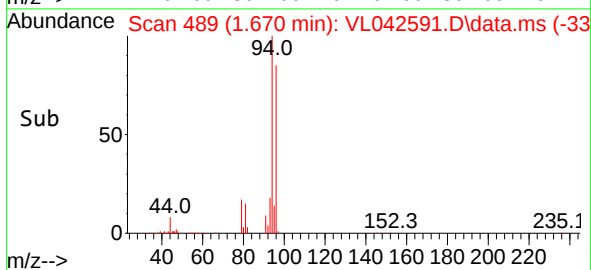
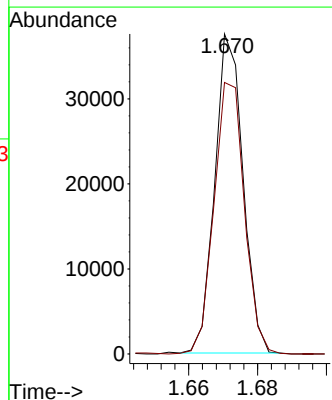
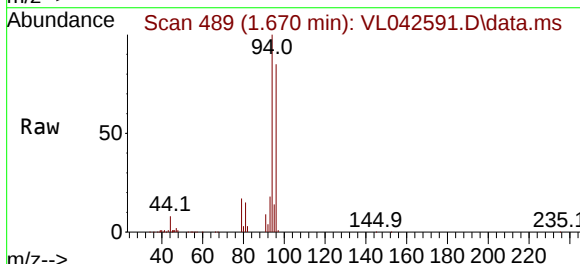
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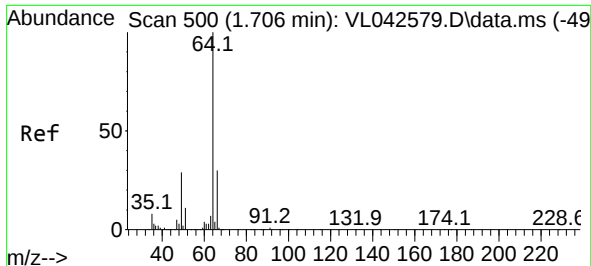
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#6
 Bromomethane
 Concen: 8.333 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

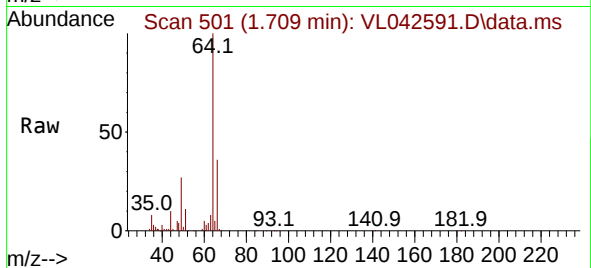
Tgt Ion: 94 Resp: 21392
 Ion Ratio Lower Upper
 94 100
 96 84.9 70.7 106.1





#7
Chloroethane
Concen: 8.709 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

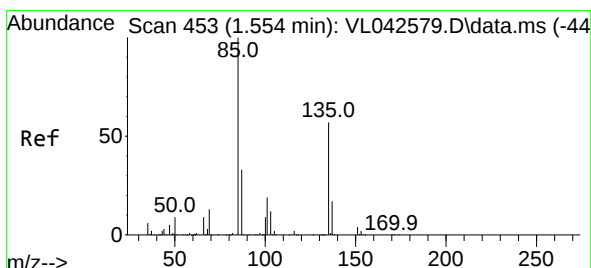
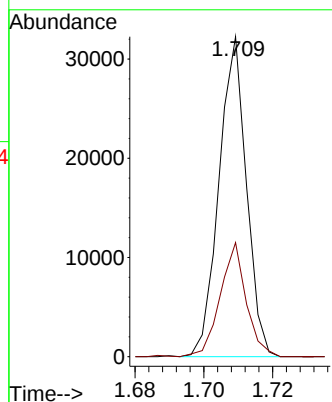
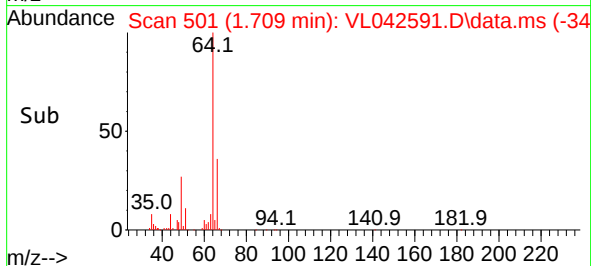
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion: 64 Resp: 17848
Ion Ratio Lower Upper
64 100
66 35.6 24.3 36.5

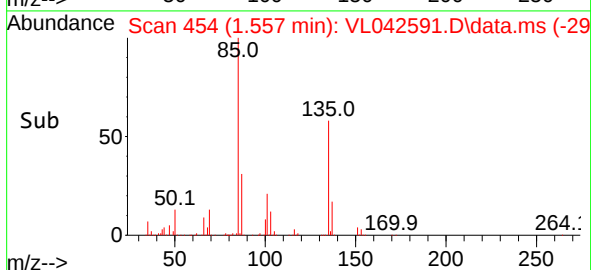
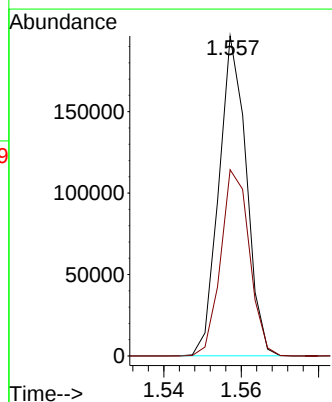
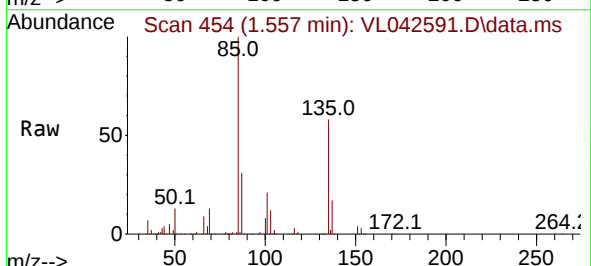
Manual Integrations
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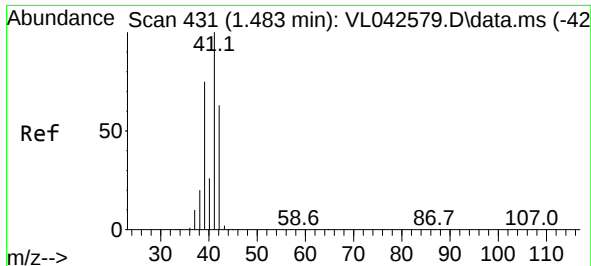
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#8
Dichlorotetrafluoroethane
Concen: 8.860 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion: 85 Resp: 96521
Ion Ratio Lower Upper
85 100
135 61.3 50.2 75.4





#9

Propene

Concen: 8.579 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tgt Ion: 41 Resp: 62215

Ion Ratio Lower Upper

41 100

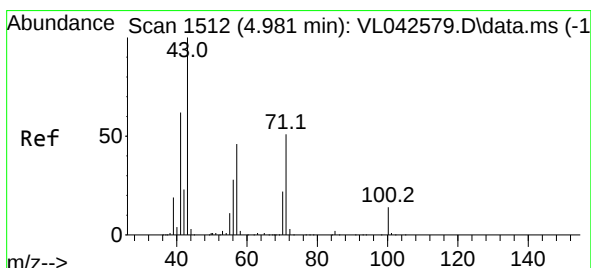
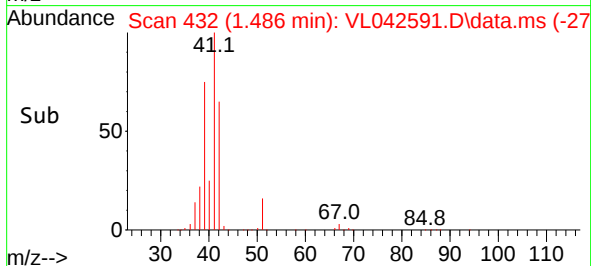
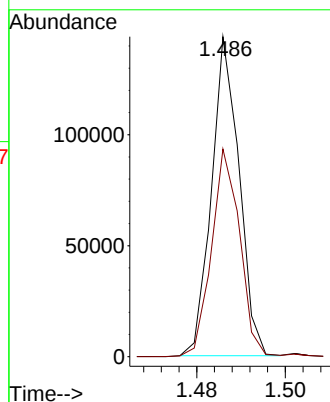
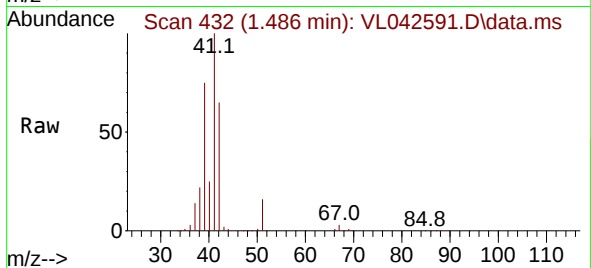
42 67.6 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#10

Heptane

Concen: 8.743 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.010 min

Lab File: VL042591.D

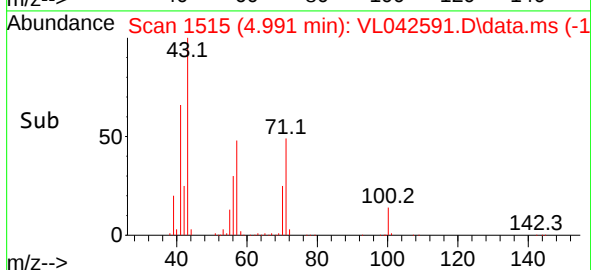
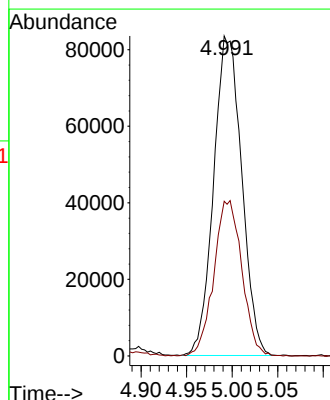
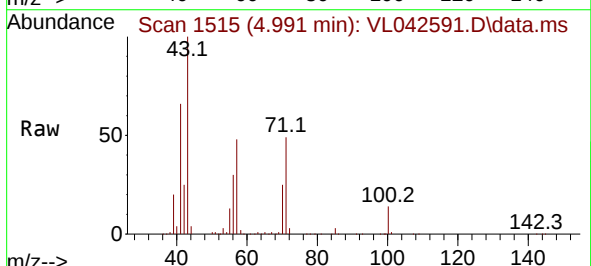
Acq: 29 May 2025 18:27

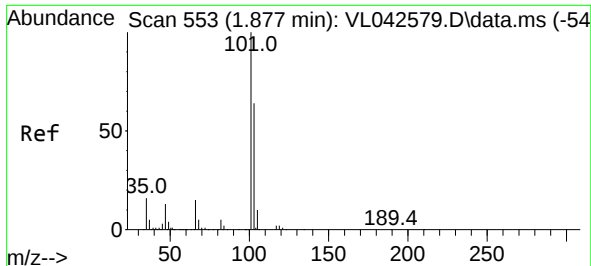
Tgt Ion: 43 Resp: 178704

Ion Ratio Lower Upper

43 100

57 48.6 38.9 58.3





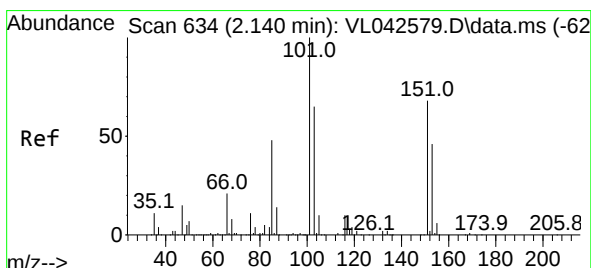
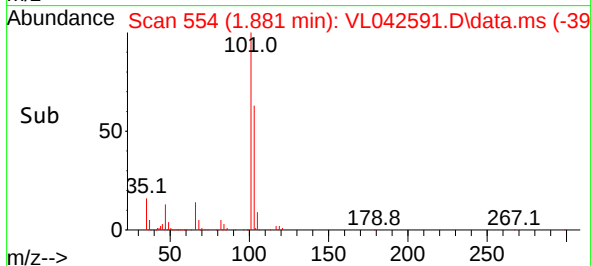
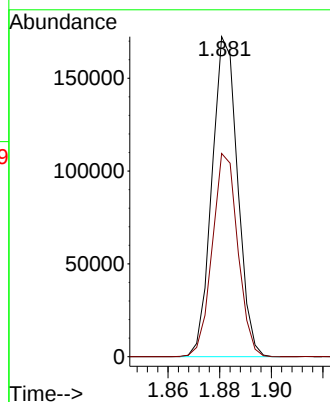
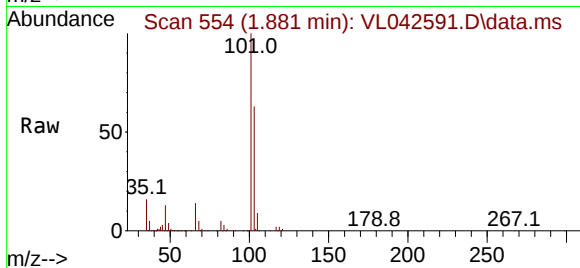
#11
Trichlorofluoromethane
Concen: 9.775 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:101 Resp: 118918
Ion Ratio Lower Upper
101 100
103 63.4 51.5 77.3

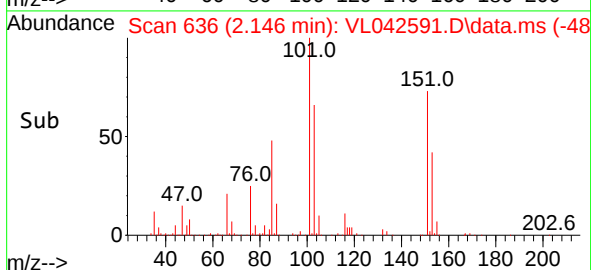
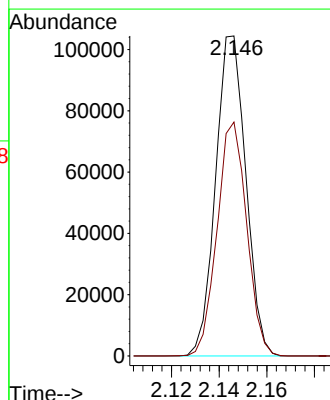
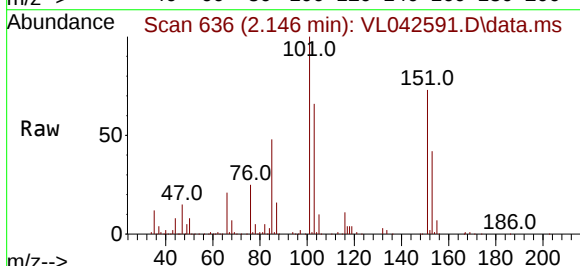
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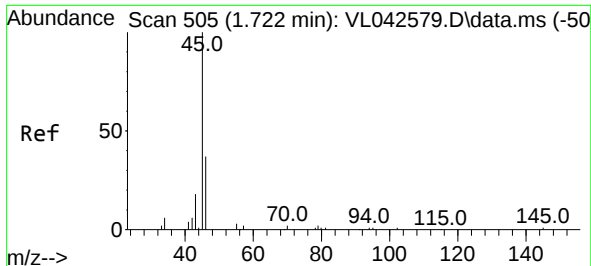
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.647 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion:101 Resp: 92153
Ion Ratio Lower Upper
101 100
151 71.6 55.3 82.9





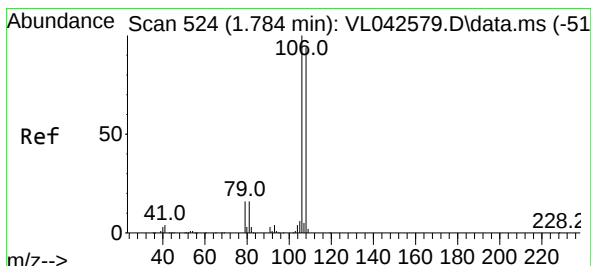
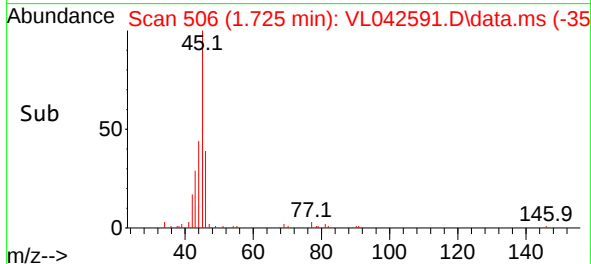
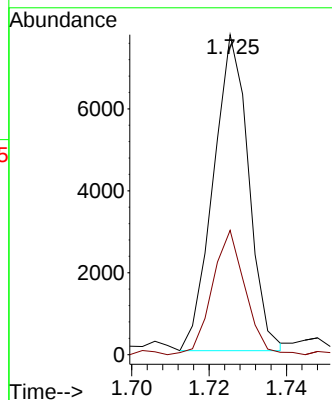
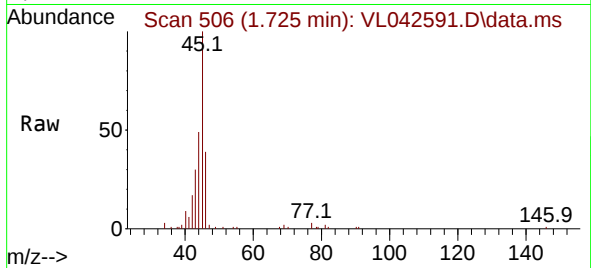
#13
Ethanol
Concen: 5.651 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion: 45 Resp: 4884
Ion Ratio Lower Upper
45 100
46 38.2 14.5 58.1

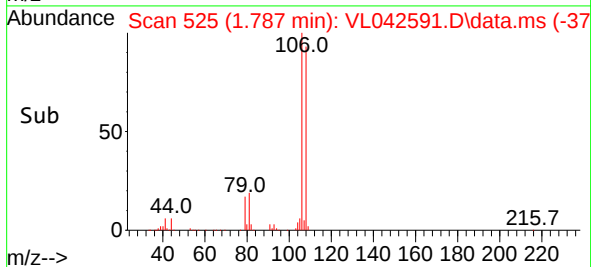
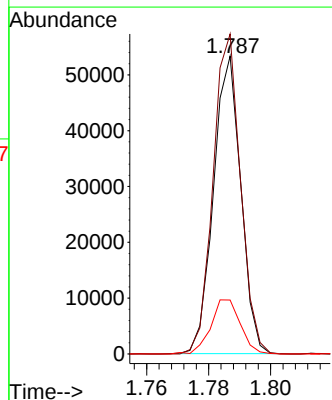
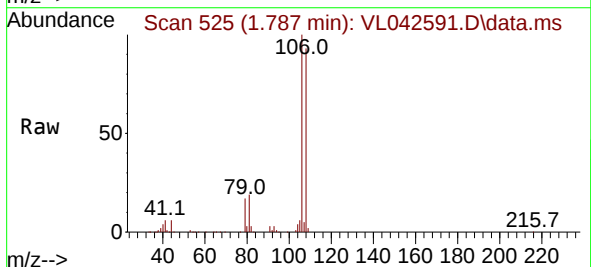
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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#14
Bromoethene
Concen: 9.098 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

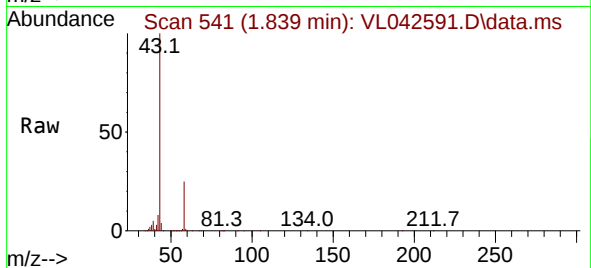
Tgt Ion:108 Resp: 32689
Ion Ratio Lower Upper
108 100
106 107.7 87.9 131.9
79 19.8 15.6 23.4





#15
Acetone
Concen: 7.565 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

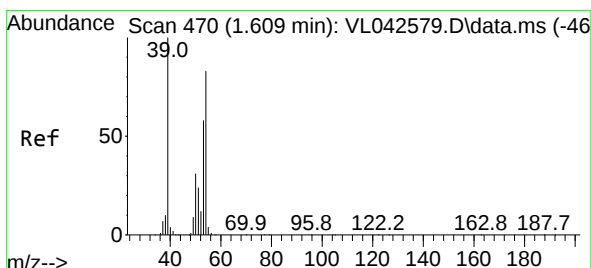
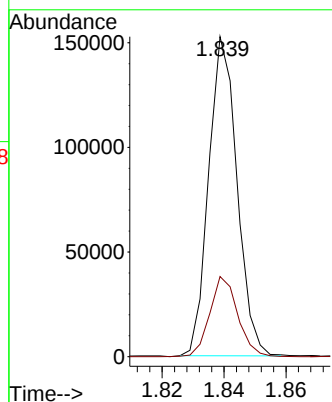
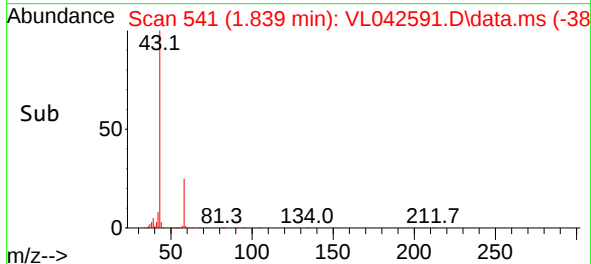
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion: 43 Resp: 96944
Ion Ratio Lower Upper
43 100
58 24.8 21.0 31.4

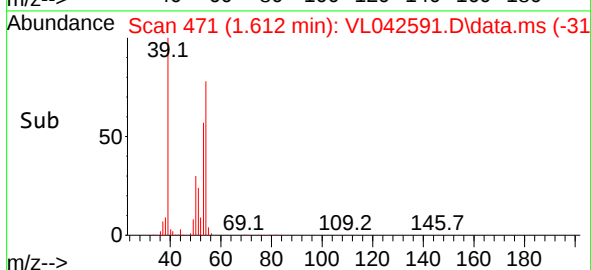
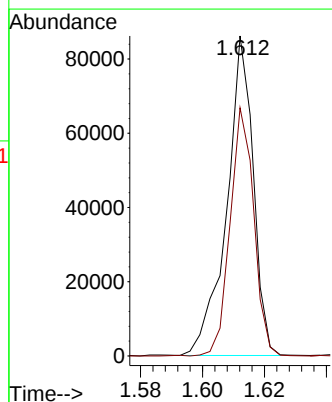
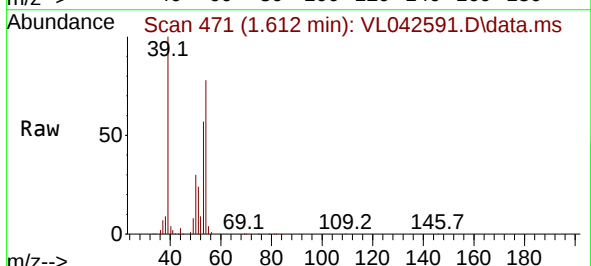
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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#16
1,3-Butadiene
Concen: 8.435 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion: 39 Resp: 51200
Ion Ratio Lower Upper
39 100
54 69.4 57.9 86.9





#17

tert-Butyl alcohol

Concen: 9.306 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tgt Ion: 59 Resp: 12423

Ion Ratio Lower Upper

59 100

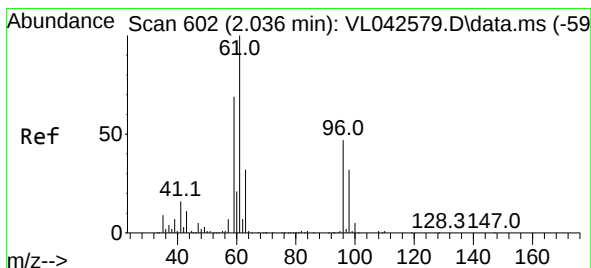
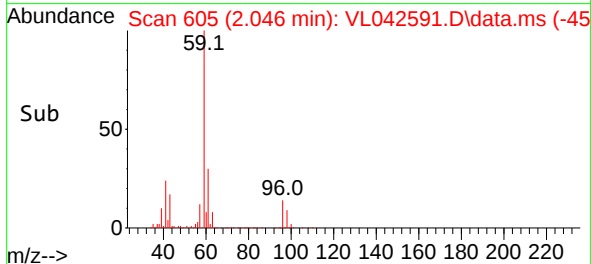
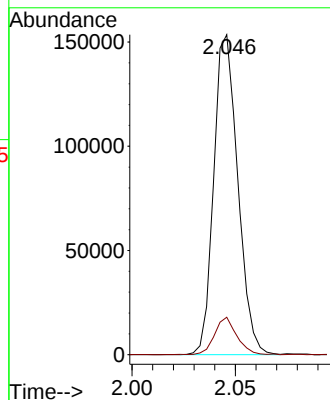
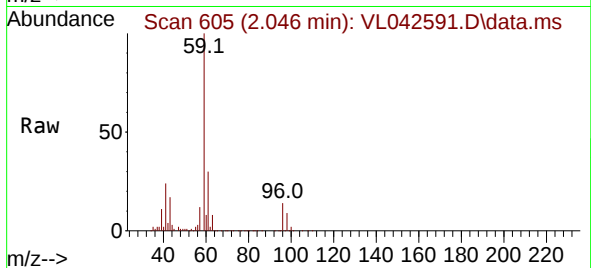
57 11.0 8.6 12.8

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Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#18

1,1-Dichloroethene

Concen: 9.315 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

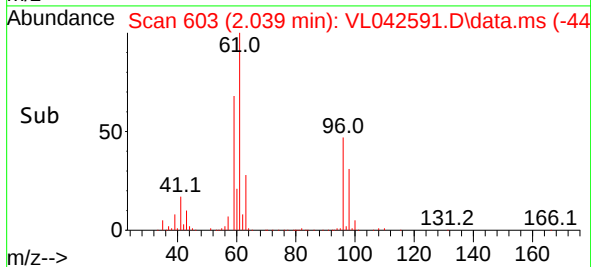
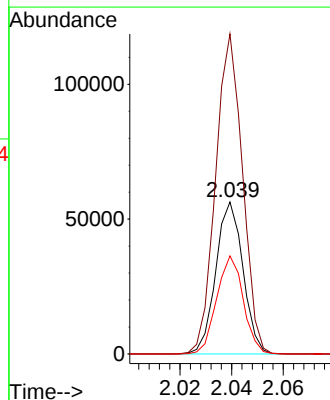
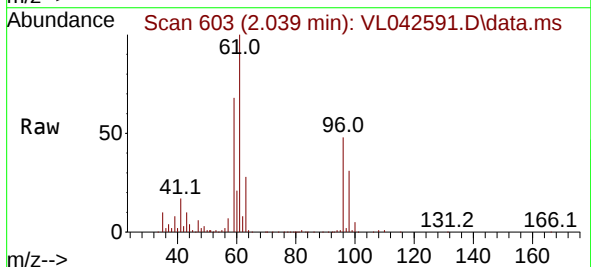
Tgt Ion: 96 Resp: 41243

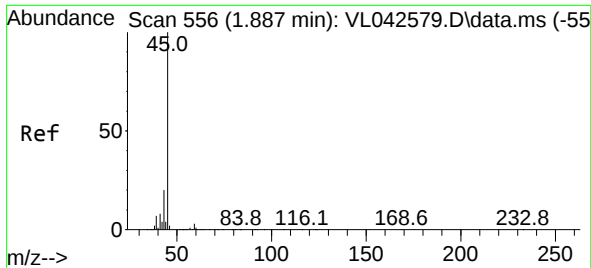
Ion Ratio Lower Upper

96 100

61 210.2 171.1 256.7

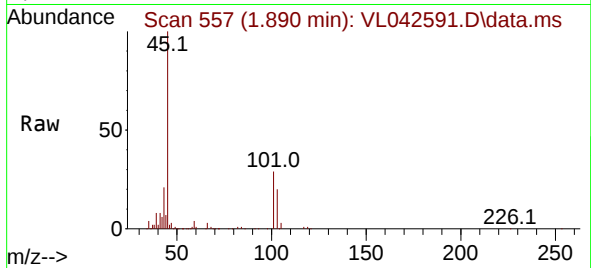
98 64.5 54.4 81.6





#19
Isopropyl Alcohol
Concen: 8.724 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

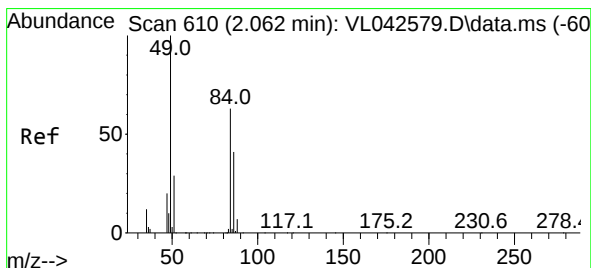
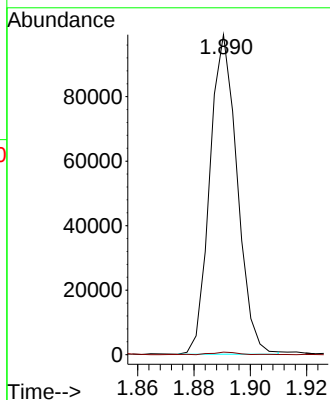
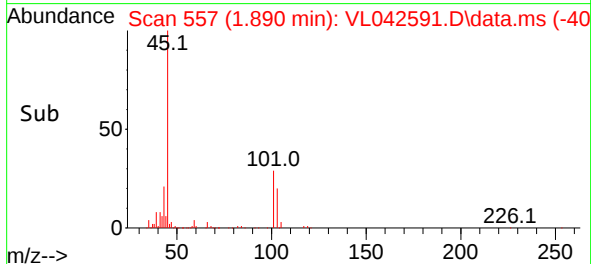
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



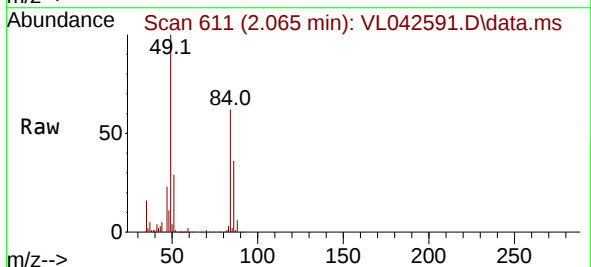
Tgt Ion: 45 Resp: 66825
Ion Ratio Lower Upper
45 100
58 36.0 29.4 44.2

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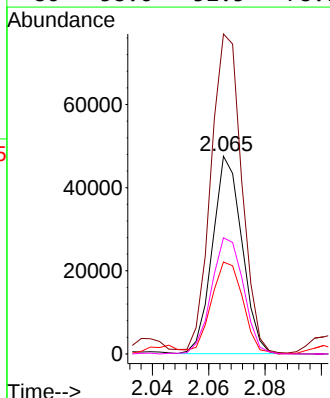
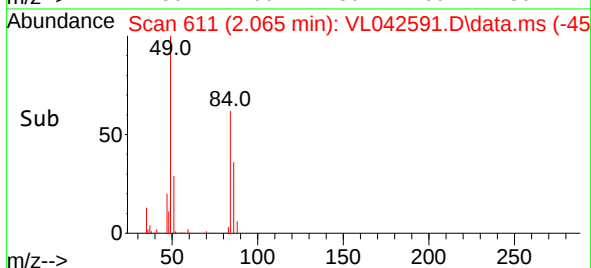
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

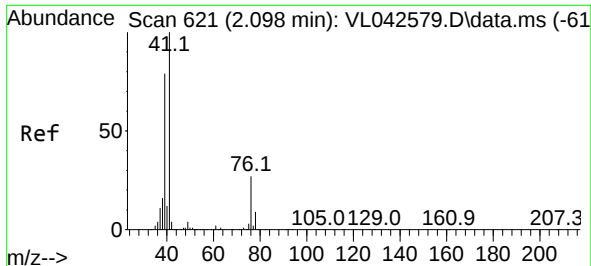


#20
Methylene Chloride
Concen: 8.177 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion: 84 Resp: 34577
Ion Ratio Lower Upper
84 100
49 161.2 128.8 193.2
51 46.5 38.6 57.8
86 58.6 52.5 78.7





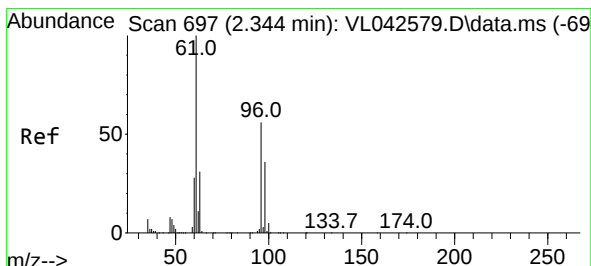
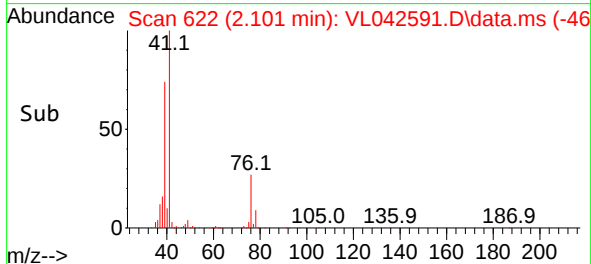
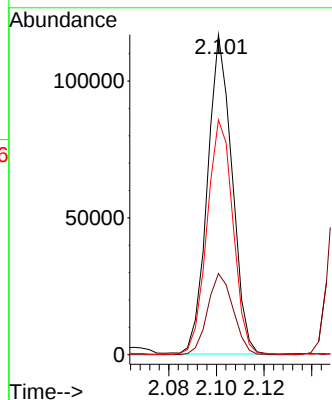
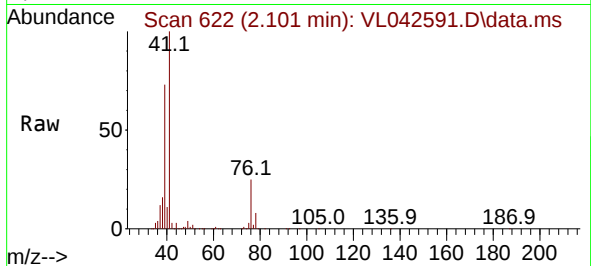
#21
 Allyl Chloride
 Concen: 9.255 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01

Tgt Ion: 41 Resp: 8367
 Ion Ratio Lower Upper
 41 100
 76 26.4 21.2 31.8
 39 77.6 60.9 91.3

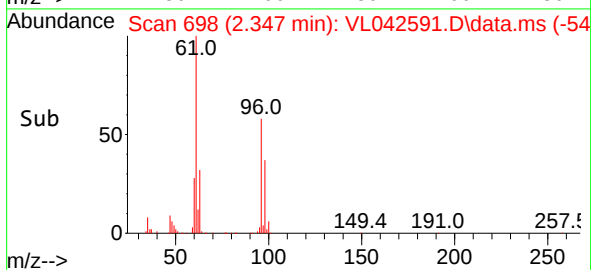
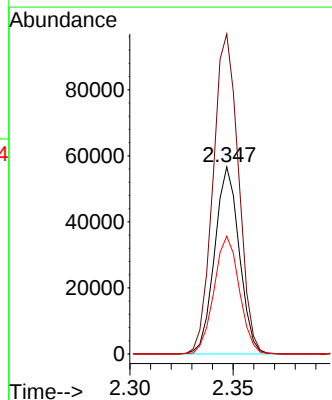
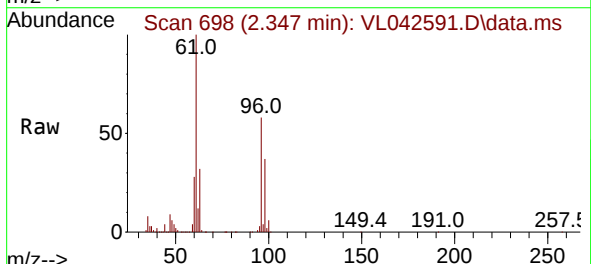
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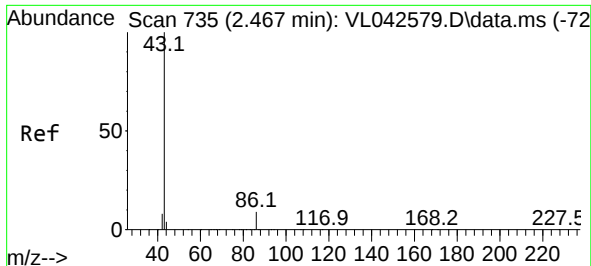
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.487 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

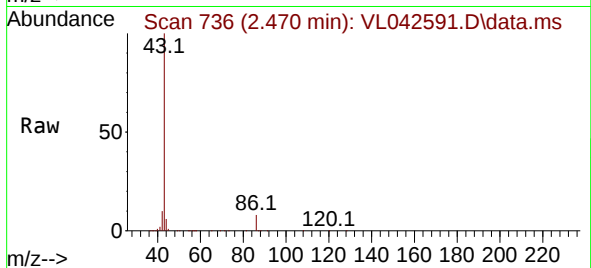
Tgt Ion: 96 Resp: 46918
 Ion Ratio Lower Upper
 96 100
 61 171.1 142.6 214.0
 98 63.0 51.0 76.4





#23
 Vinyl Acetate
 Concen: 10.192 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

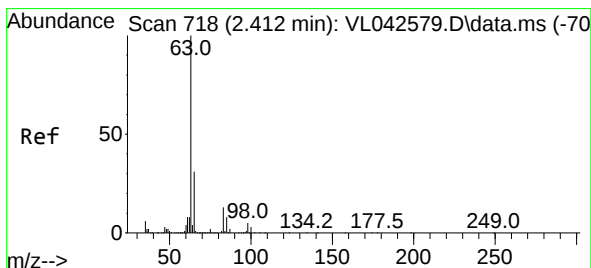
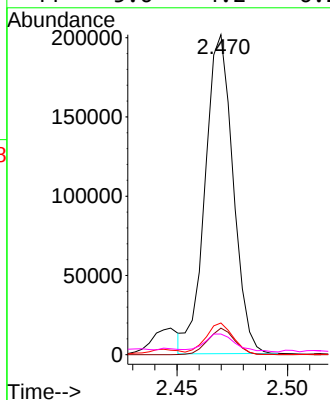
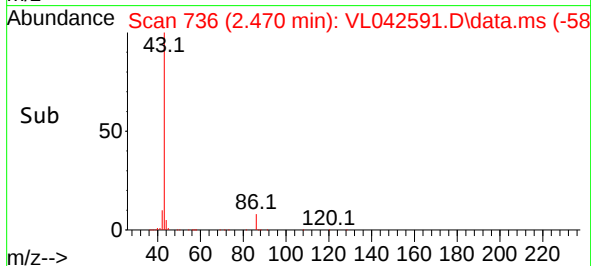
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01



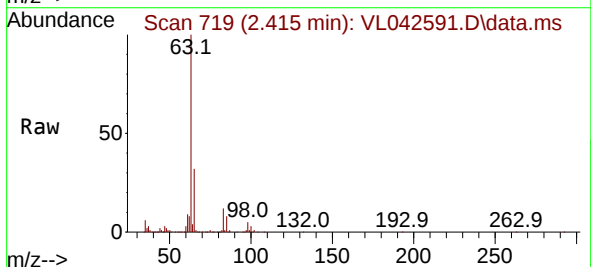
Tgt Ion:	43	Resp:	17654
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	9.8	7.0	10.4
44	5.6	4.2	6.2

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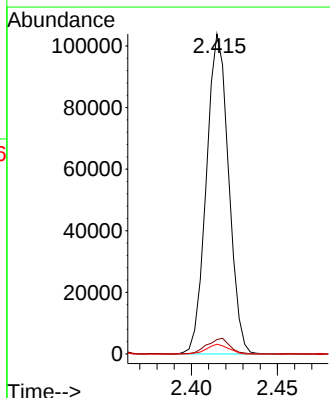
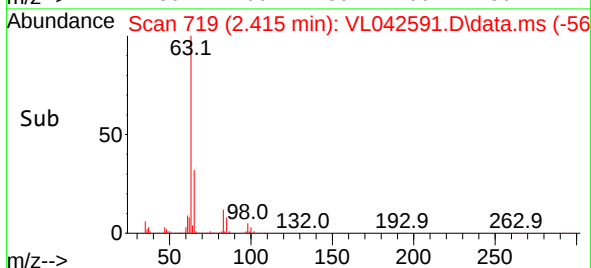
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

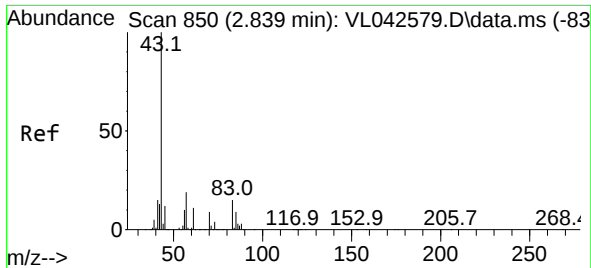


#24
 1,1-Dichloroethane
 Concen: 9.188 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27



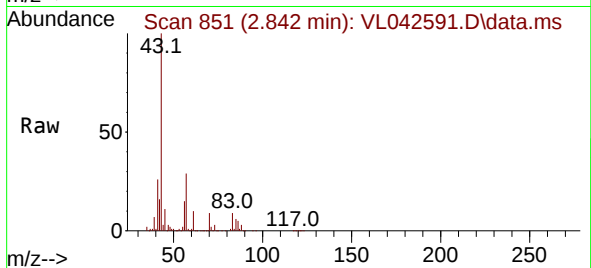
Tgt Ion:	63	Resp:	93494
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	3.0	1.4	4.0





#25
Ethyl Acetate
Concen: 8.816 ppbv
RT: 2.842 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

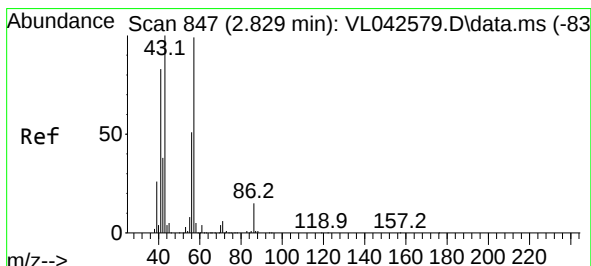
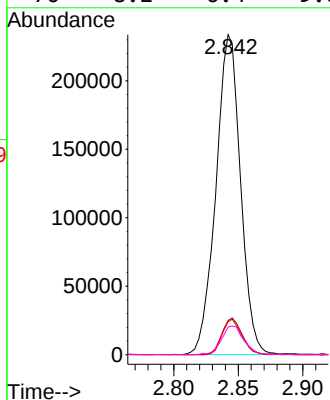
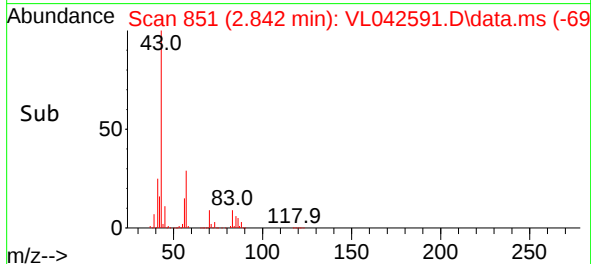
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.2	12.2
61	8.9	7.1	10.7
70	8.2	6.4	9.6

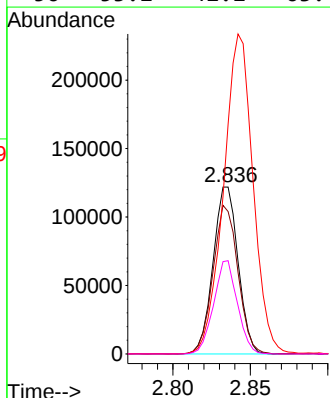
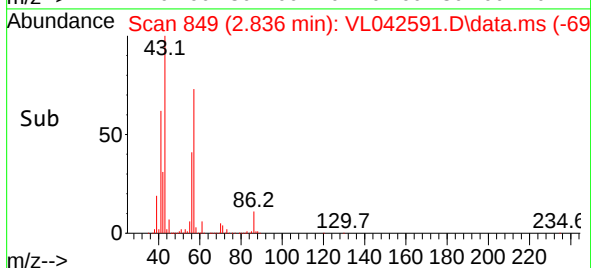
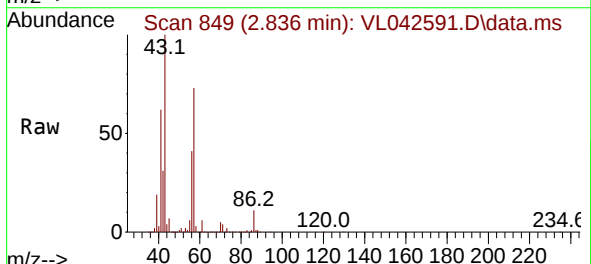
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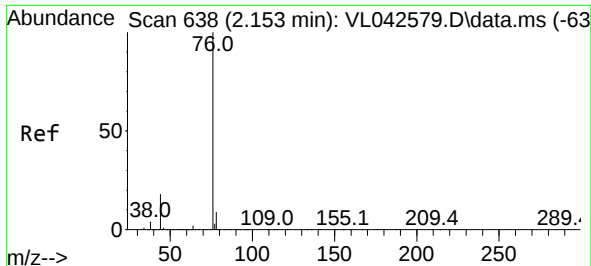
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#26
Hexane
Concen: 8.576 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

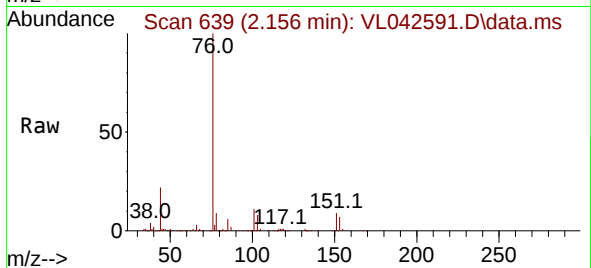
Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.6	106.0
43	227.3	181.1	271.7
56	53.2	42.2	63.4





#27
Carbon Disulfide
Concen: 9.421 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

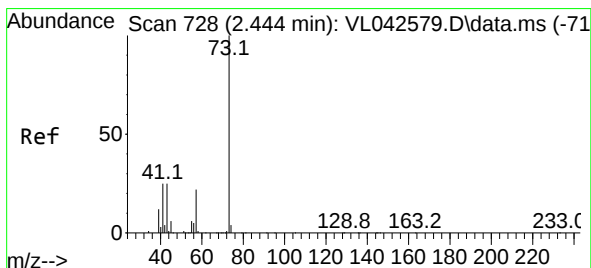
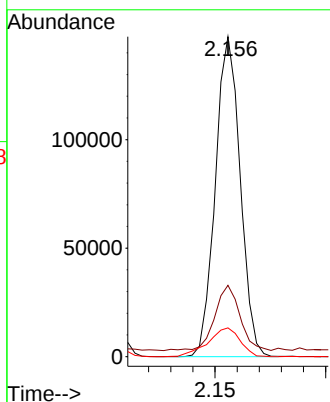
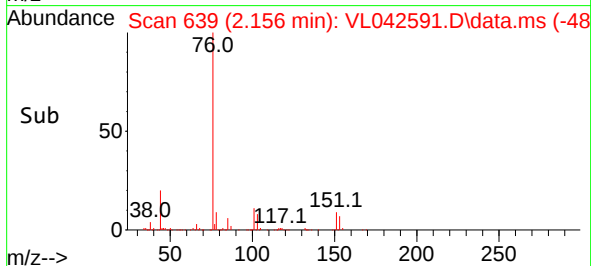
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



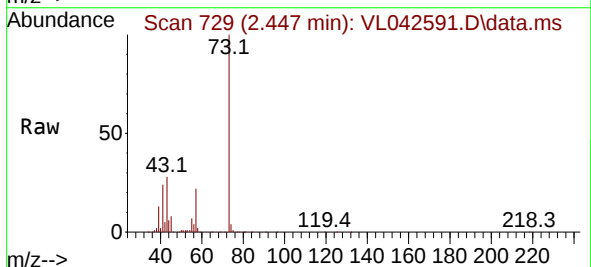
Tgt Ion: 76 Resp: 11524
Ion Ratio Lower Upper
76 100
44 20.4 21.3 31.9
78 11.6 9.4 14.0

Manual Integrations
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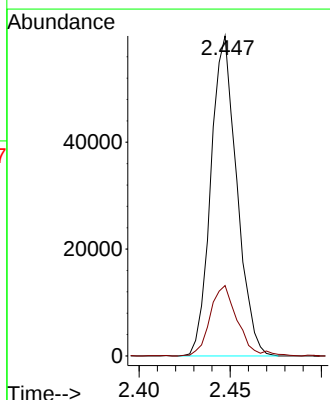
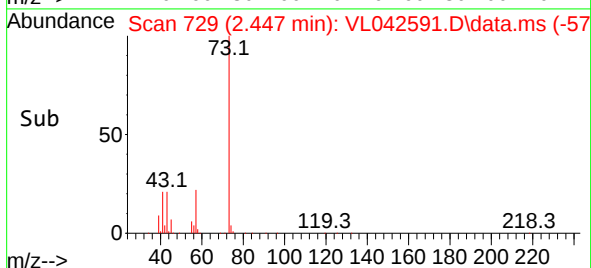
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

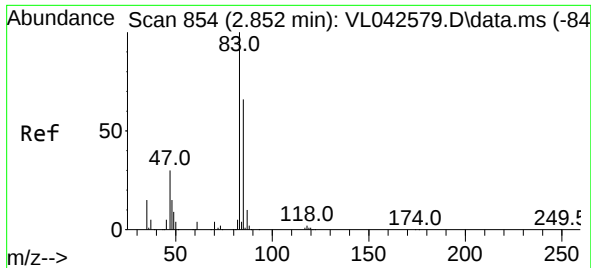


#28
Methyl tert-Butyl Ether
Concen: 9.179 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion: 73 Resp: 59350
Ion Ratio Lower Upper
73 100
57 23.5 19.9 29.9





#29

Chloroform

Concen: 9.008 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tgt Ion: 83 Resp: 186648

Ion Ratio Lower Upper

83 100

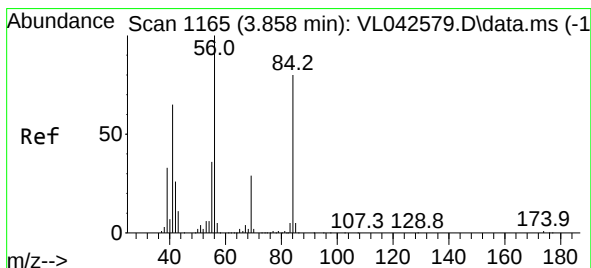
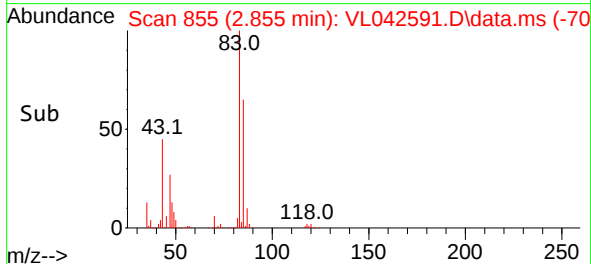
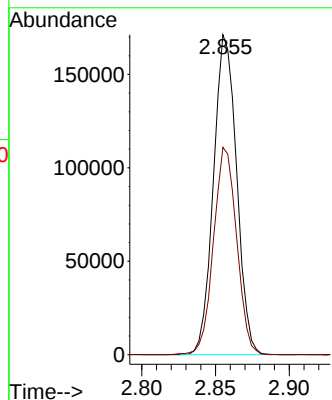
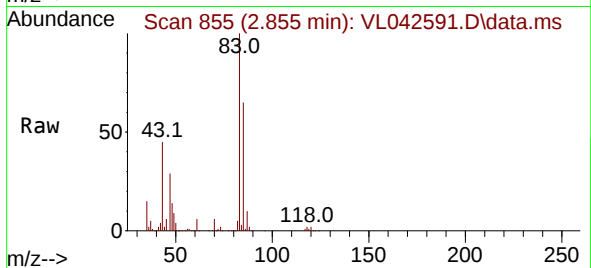
85 64.8 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#30

Cyclohexane

Concen: 8.874 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

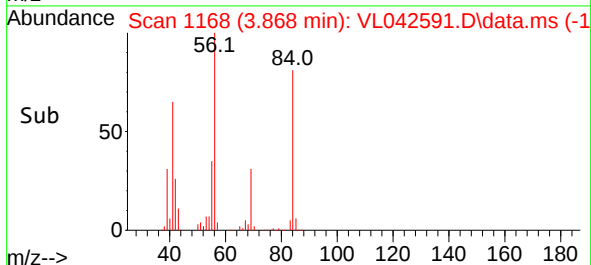
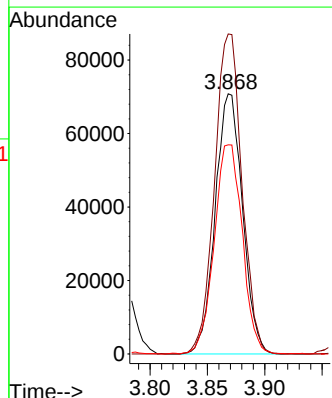
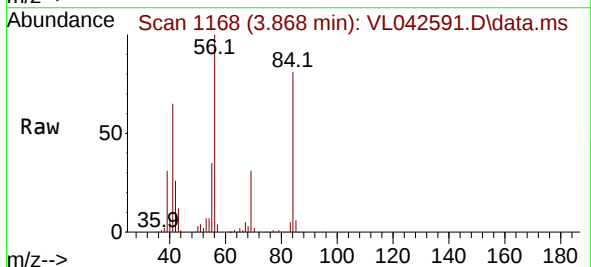
Tgt Ion: 84 Resp: 117225

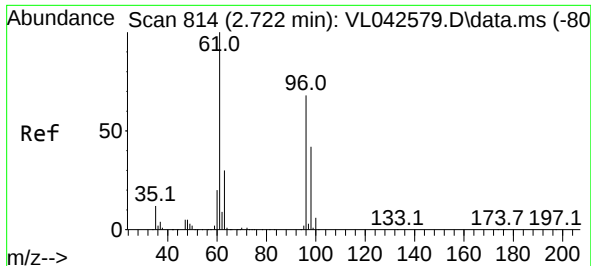
Ion Ratio Lower Upper

84 100

56 123.3 103.7 155.5

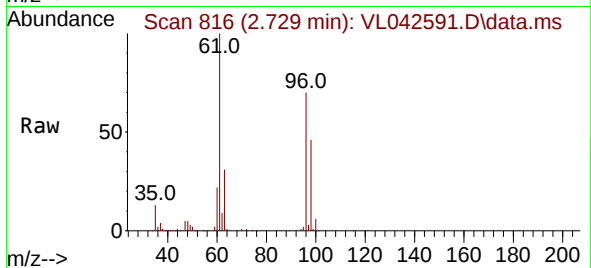
41 83.0 65.1 97.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.935 ppbv
 RT: 2.729 min Scan# 814
 Delta R.T. 0.006 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

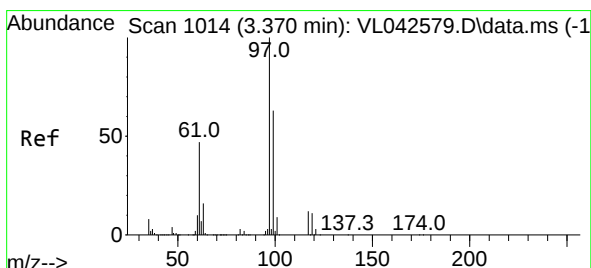
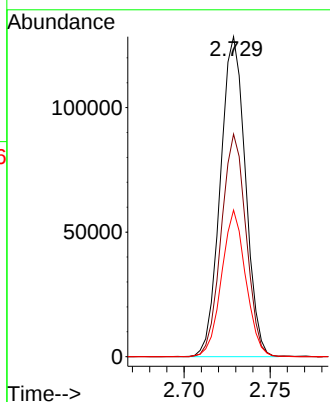
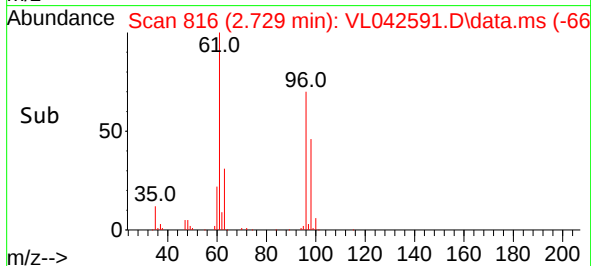
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01



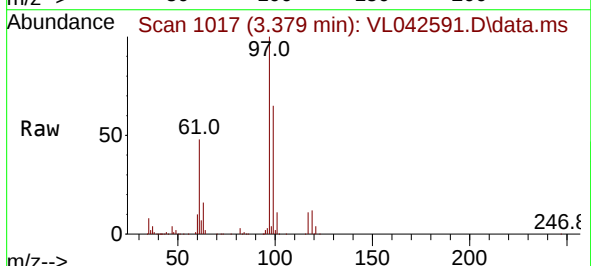
Tgt Ion: 61 Resp: 130230
 Ion Ratio Lower Upper
 61 100
 96 69.5 54.5 81.7
 98 45.8 33.4 50.2

Manual Integrations
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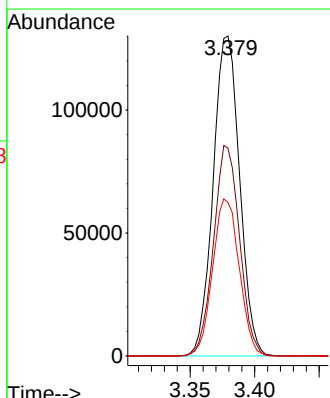
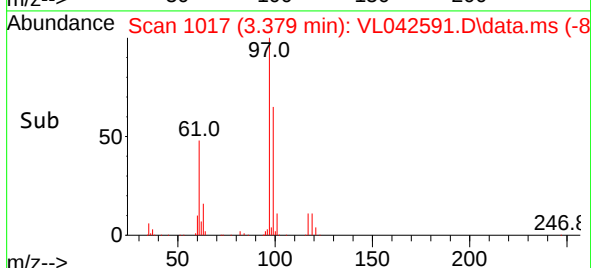
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#32
 1,1,1-Trichloroethane
 Concen: 8.760 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.010 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27



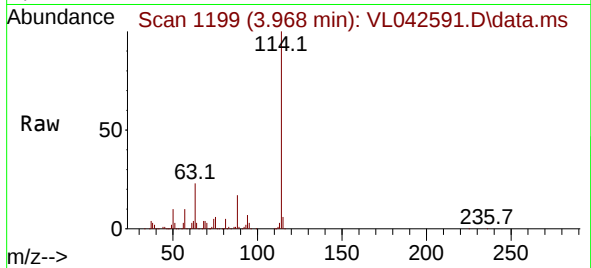
Tgt Ion: 97 Resp: 185446
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.6
 61 49.5 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

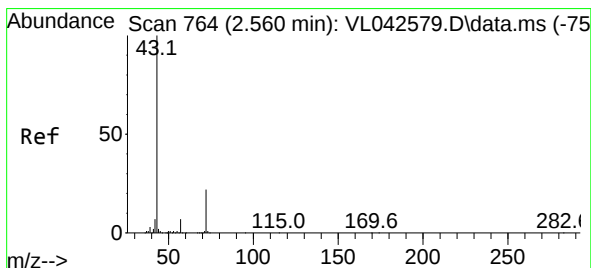
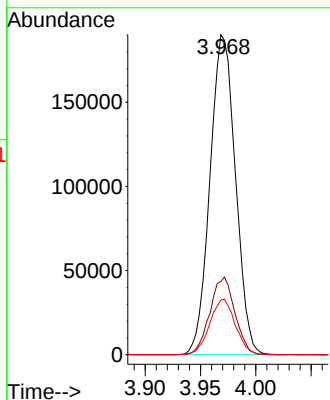
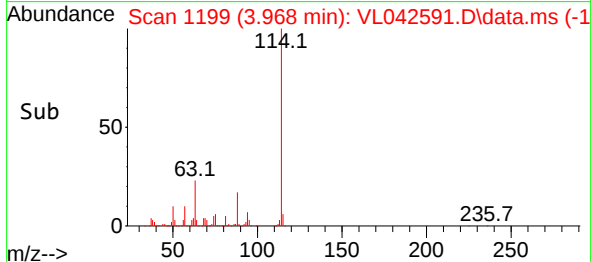
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



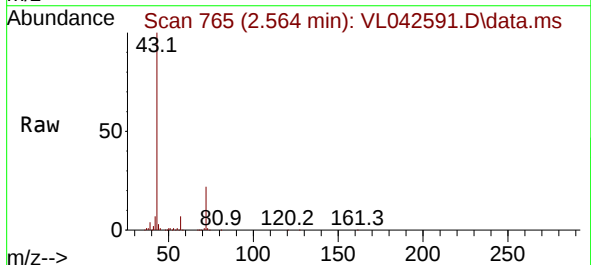
Tgt Ion:114 Resp: 304509
Ion Ratio Lower Upper
114 100
63 23.8 19.0 28.6
88 17.3 13.6 20.4

Manual Integrations
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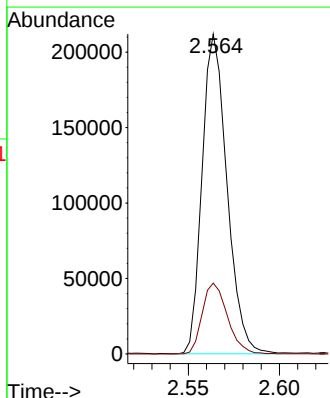
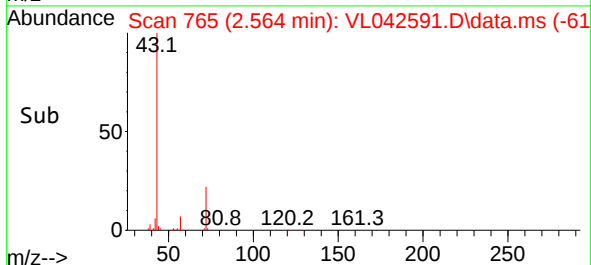
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

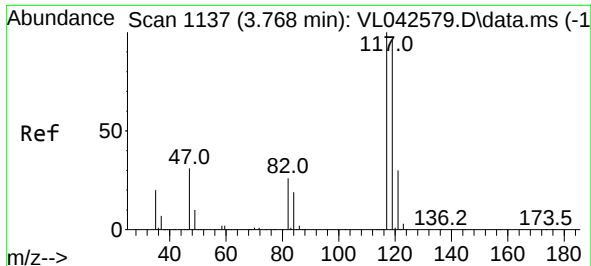


#34
2-Butanone
Concen: 9.284 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



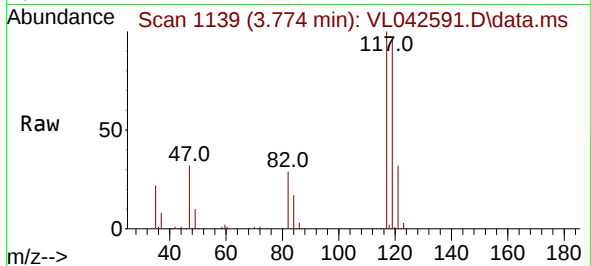
Tgt Ion: 43 Resp: 201605
Ion Ratio Lower Upper
43 100
72 22.4 17.7 26.5





#35
Carbon Tetrachloride
Concen: 9.207 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

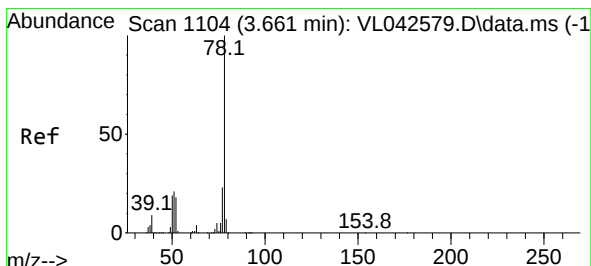
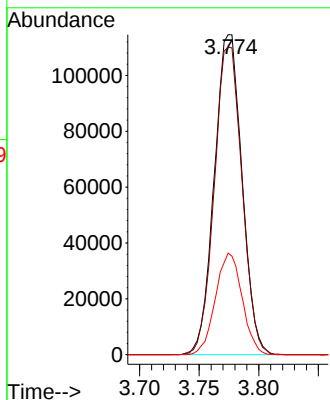
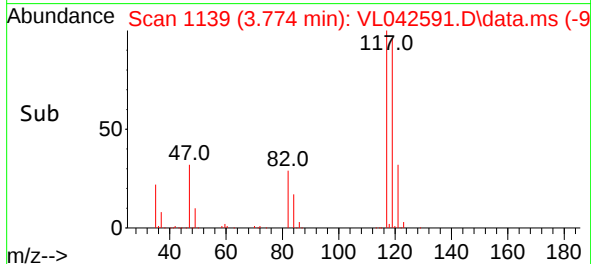
Instrument : MSVOA_L
ClientSampleId : VL0529ABS01



Tgt Ion: 117 Resp: 185074
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2
121 31.7 24.3 36.5

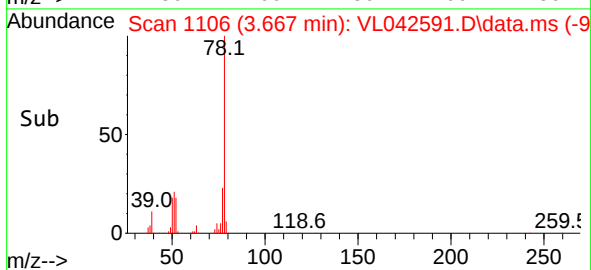
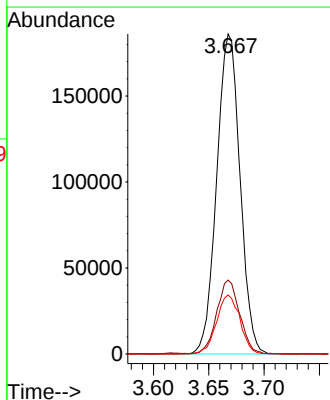
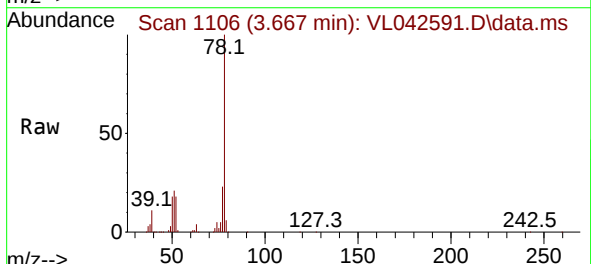
Manual Integrations
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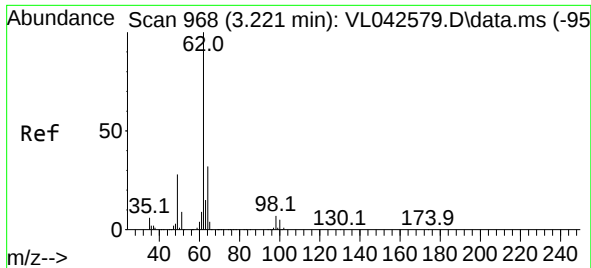
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#36
Benzene
Concen: 9.085 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

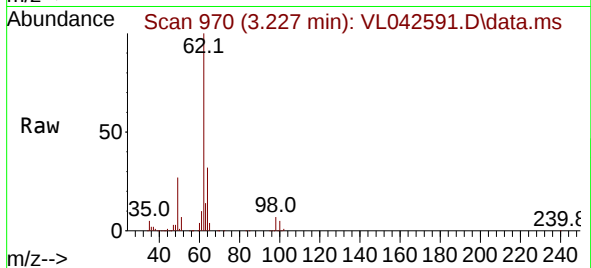
Tgt Ion: 78 Resp: 272433
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2
50 18.5 15.2 22.8





#37
1,2-Dichloroethane
Concen: 9.551 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

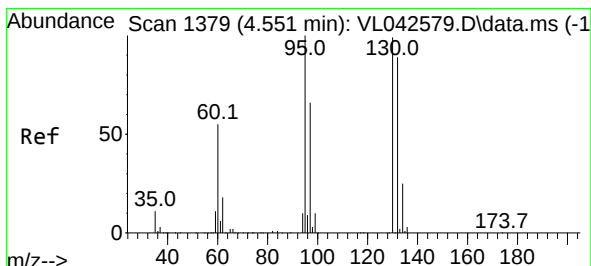
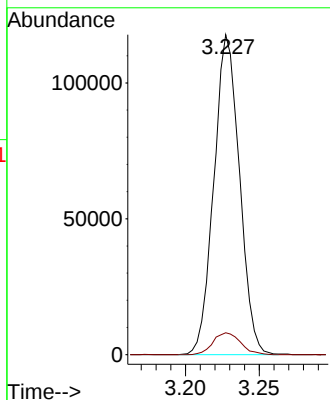
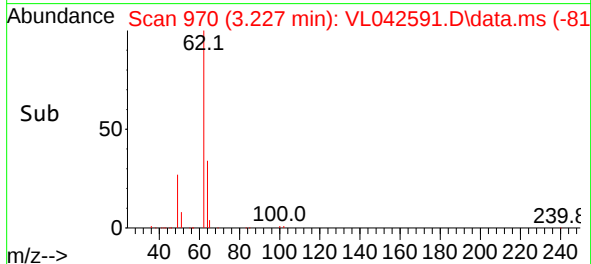
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



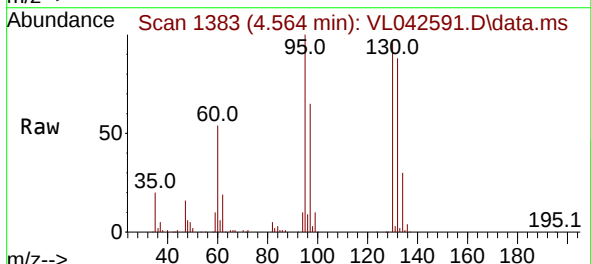
Tgt Ion: 62 Resp: 142338
Ion Ratio Lower Upper
62 100
98 7.4 6.1 9.1

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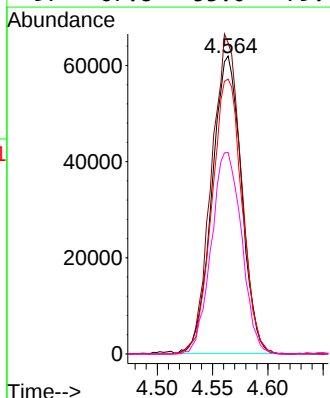
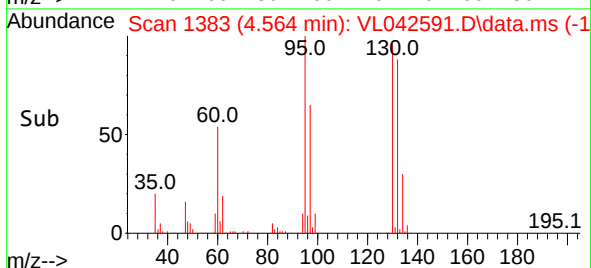
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

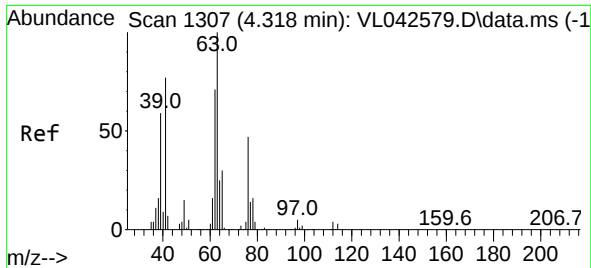


#38
Trichloroethene
Concen: 8.958 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.013 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion:130 Resp: 114177
Ion Ratio Lower Upper
130 100
95 104.6 80.6 121.0
132 92.3 71.8 107.6
97 67.8 53.0 79.4





#39

1,2-Dichloropropane

Concen: 8.998 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.006 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

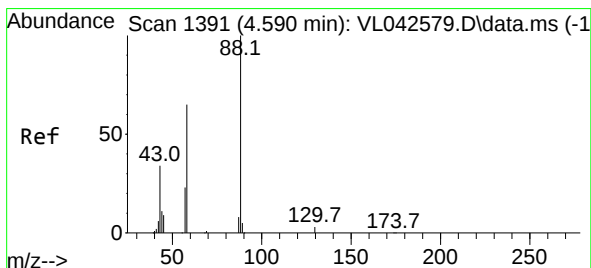
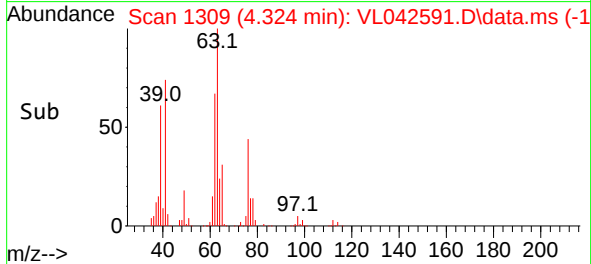
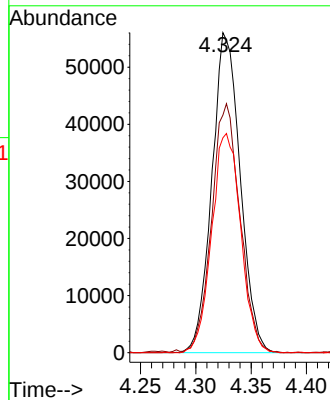
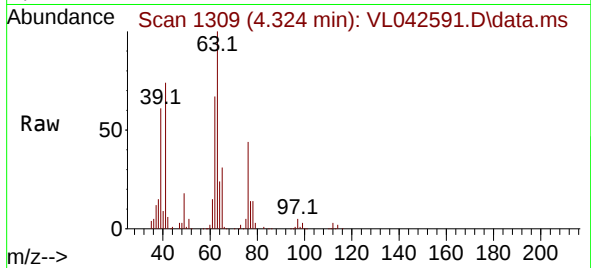
VL0529ABS01

Tgt Ion: 63	Resp: 99778
Ion Ratio	Lower Upper
63 100	
41 73.9	61.8 92.6
62 67.2	56.6 85.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#40

1,4-Dioxane

Concen: 8.985 ppbv

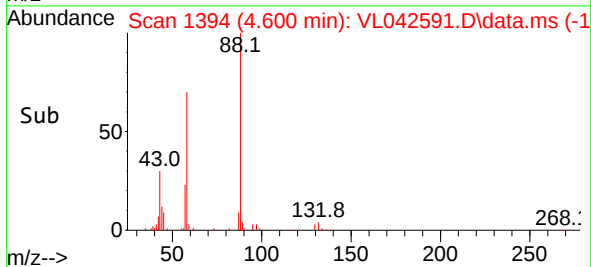
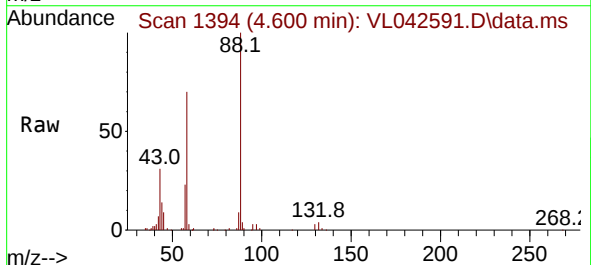
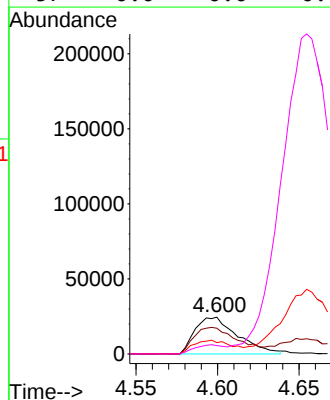
RT: 4.600 min Scan# 1394

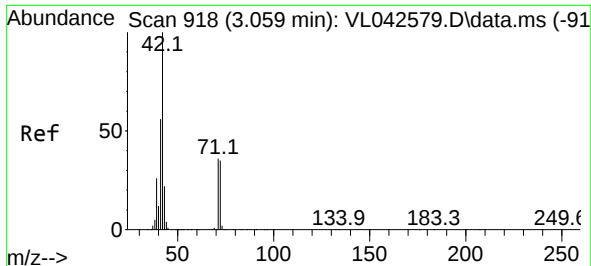
Delta R.T. 0.010 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Tgt Ion: 88	Resp: 44586
Ion Ratio	Lower Upper
88 100	
58 77.1	55.8 83.8
43 38.8	24.8 37.2#
57 0.0	0.0 0.0





#41

Tetrahydrofuran

Concen: 9.030 ppbv

RT: 3.062 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

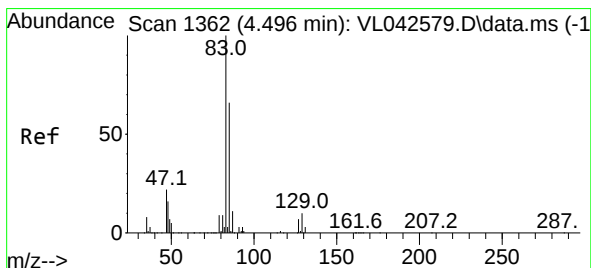
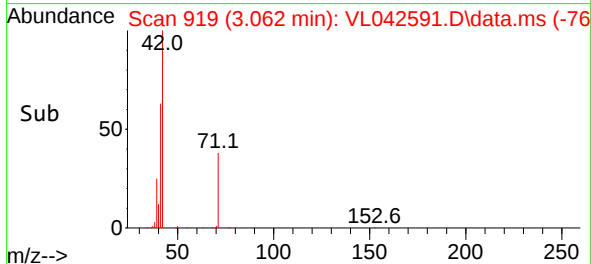
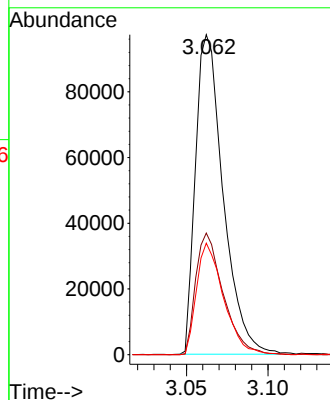
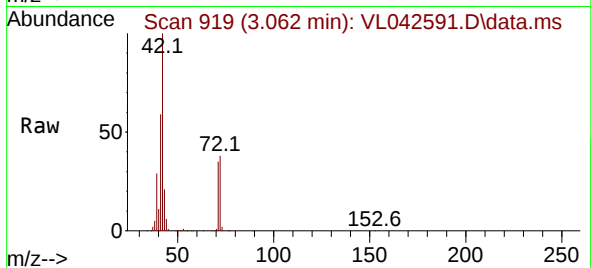
Tgt Ion: 42 Resp: 11478

Ion	Ratio	Lower	Upper
42	100		
72	37.8	28.9	43.3
71	34.2	28.5	42.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#42

Bromodichloromethane

Concen: 9.637 ppbv

RT: 4.502 min Scan# 1364

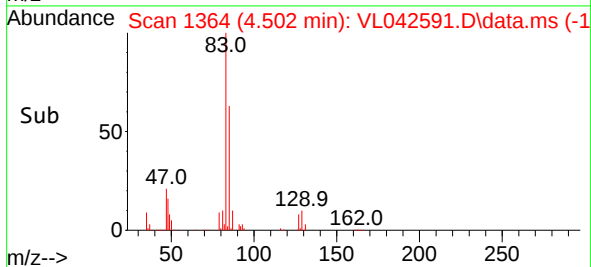
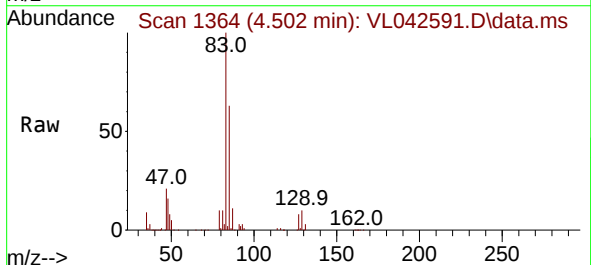
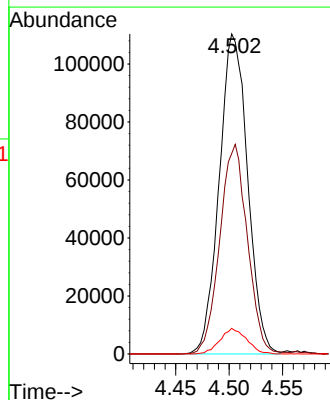
Delta R.T. 0.006 min

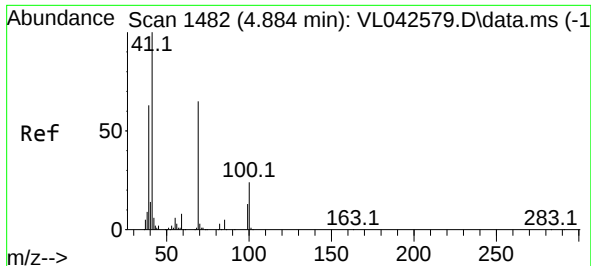
Lab File: VL042591.D

Acq: 29 May 2025 18:27

Tgt Ion: 83 Resp: 203990

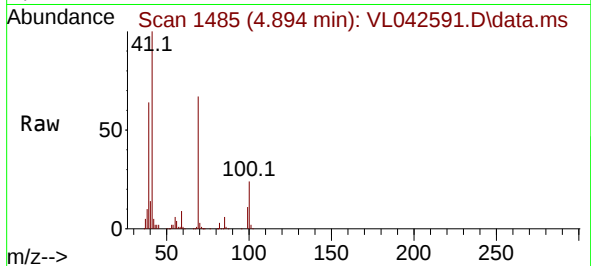
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.7	79.1
127	8.0	5.8	8.6





#43
Methyl Methacrylate
Concen: 9.301 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.010 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

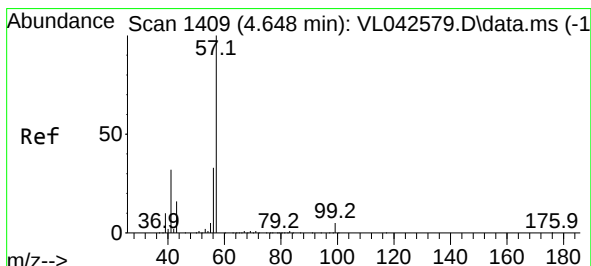
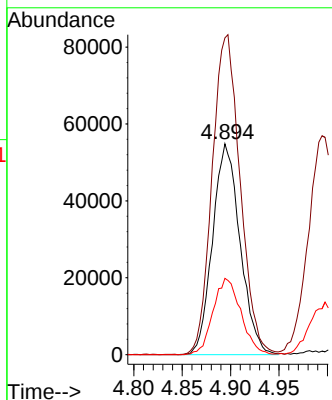
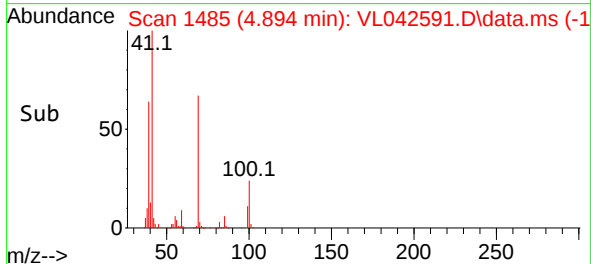
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



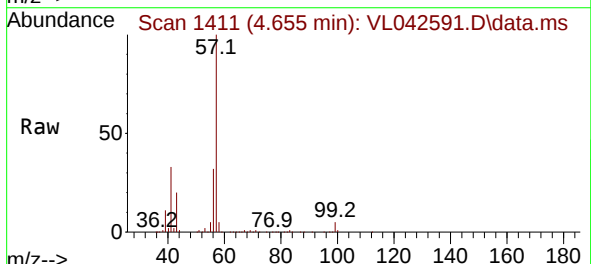
Tgt Ion: 69 Resp: 108252
Ion Ratio Lower Upper
69 100
41 154.3 124.6 187.0
100 36.8 29.9 44.9

Manual Integrations
APPROVED

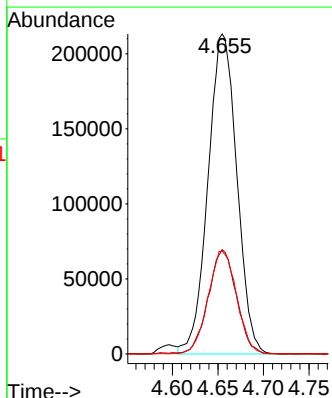
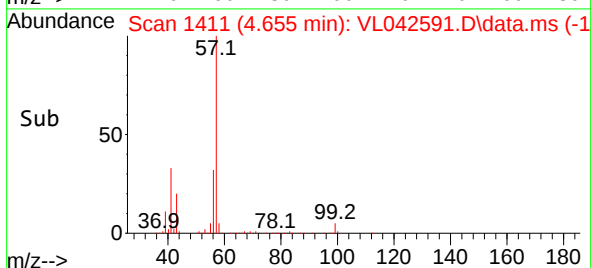
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

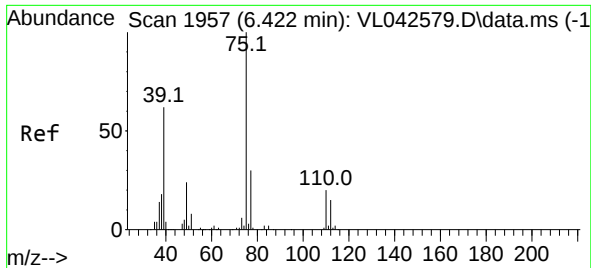


#44
2,2,4-Trimethylpentane
Concen: 9.148 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



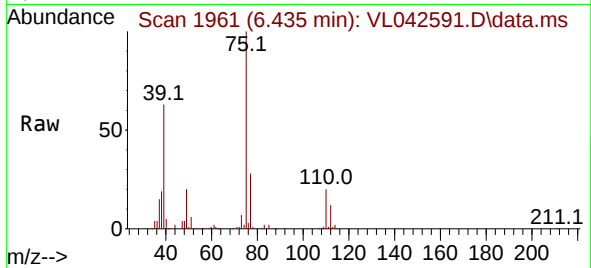
Tgt Ion: 57 Resp: 469200
Ion Ratio Lower Upper
57 100
41 32.2 26.1 39.1
56 31.9 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 9.319 ppbv
 RT: 6.435 min Scan# 1957
 Delta R.T. 0.013 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

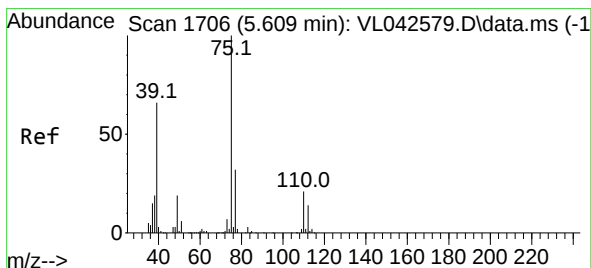
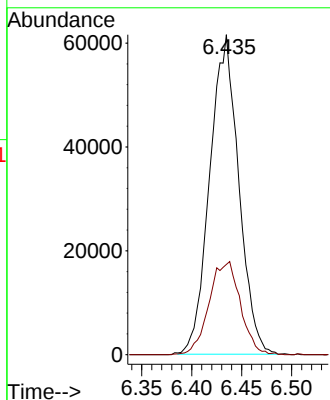
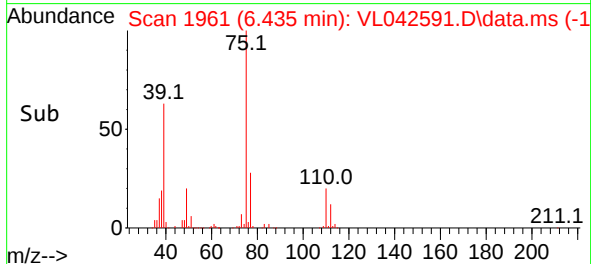
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01



Tgt Ion: 75 Resp: 12410
 Ion Ratio Lower Upper
 75 100
 77 28.2 24.2 36.2

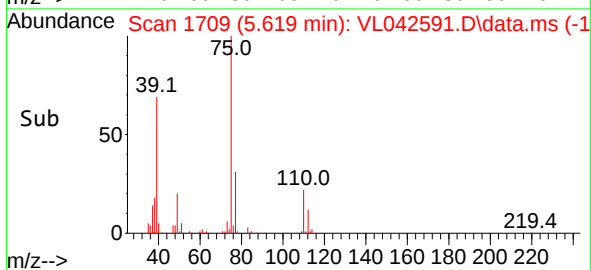
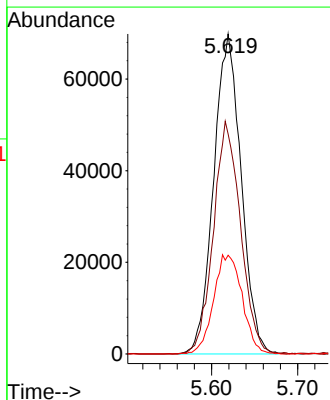
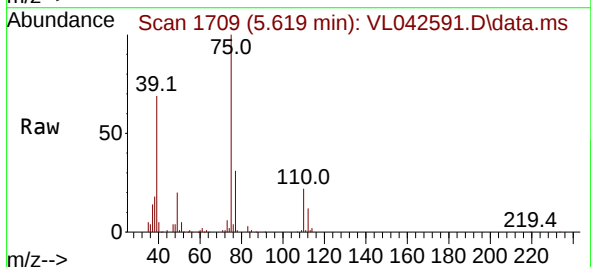
Manual Integrations
 APPROVED

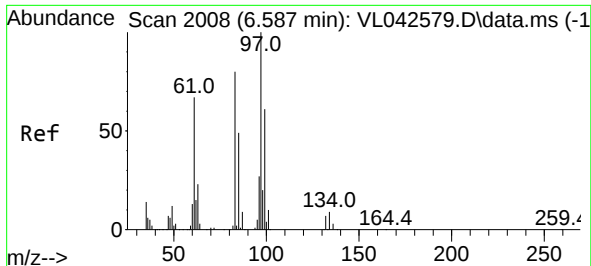
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.285 ppbv
 RT: 5.619 min Scan# 1709
 Delta R.T. 0.010 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

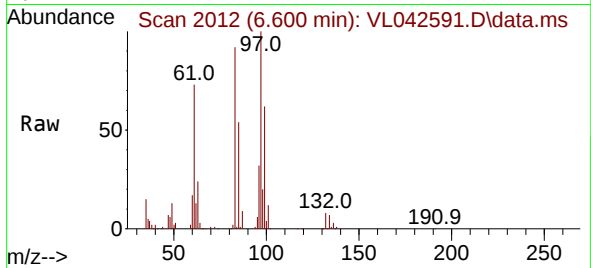
Tgt Ion: 75 Resp: 154951
 Ion Ratio Lower Upper
 75 100
 39 68.7 52.7 79.1
 77 30.8 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 9.109 ppbv
RT: 6.600 min Scan# 2008
Delta R.T. 0.013 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

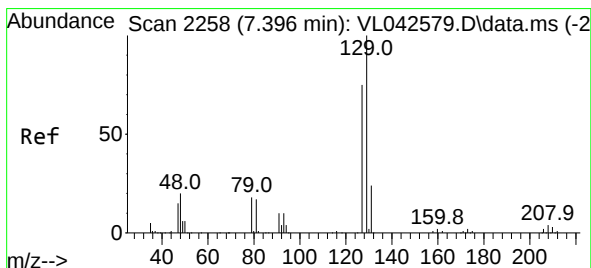
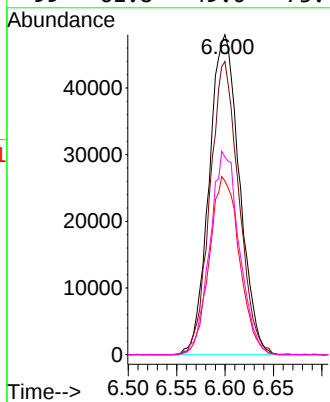
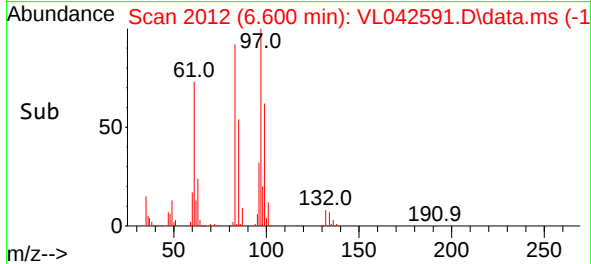
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion: 97 Resp: 10456
Ion Ratio Lower Upper
97 100
83 91.5 63.9 95.9
85 54.3 39.2 58.8
99 61.8 49.0 73.4

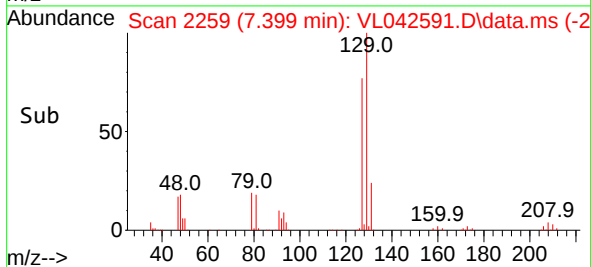
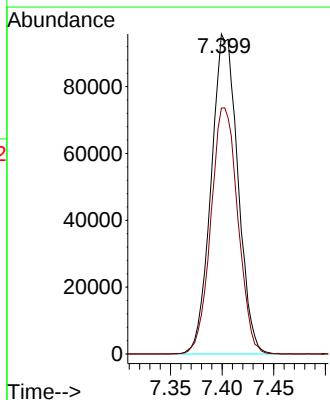
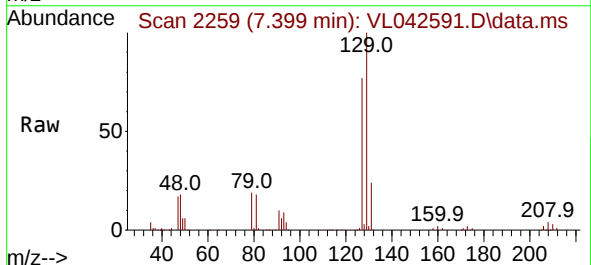
Manual Integrations
APPROVED

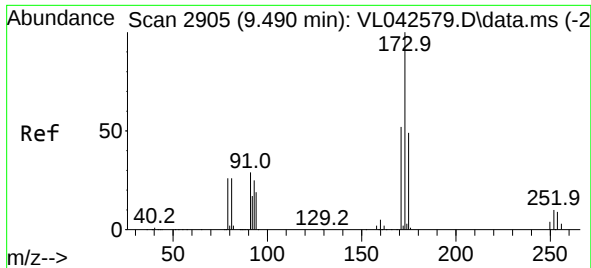
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#48
Dibromochloromethane
Concen: 9.366 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion:129 Resp: 172109
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9





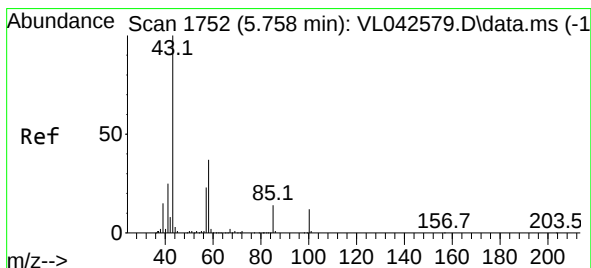
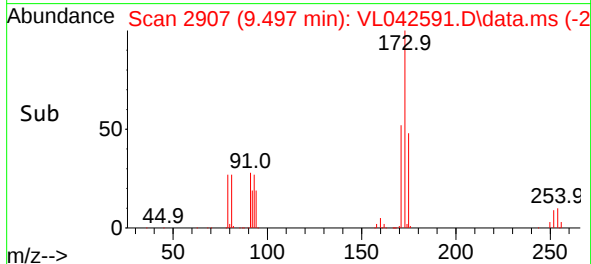
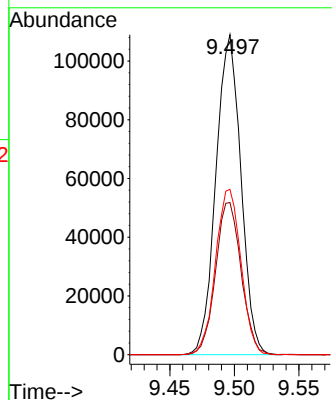
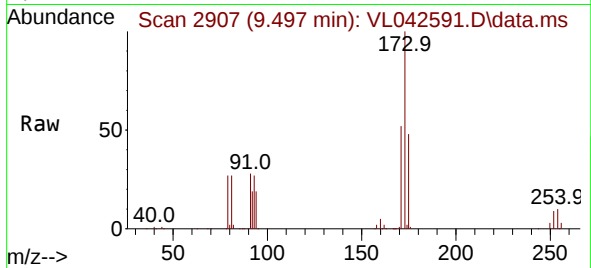
#49
Bromoform
Concen: 9.258 ppbv
RT: 9.497 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01

Tgt Ion:173 Resp: 146800
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
171 52.5 41.2 61.8

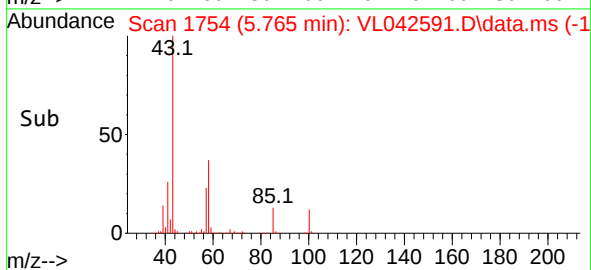
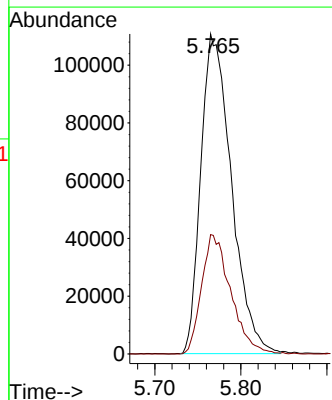
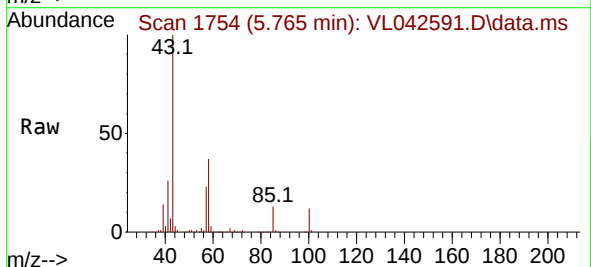
Manual Integrations
APPROVED

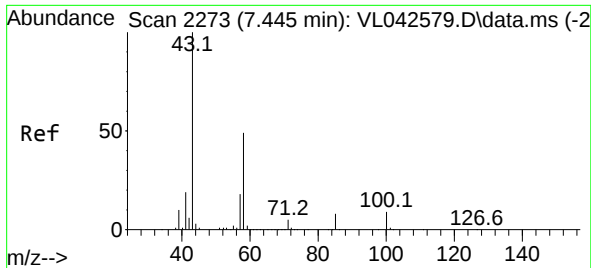
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#50
4-Methyl-2-Pentanone
Concen: 9.089 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

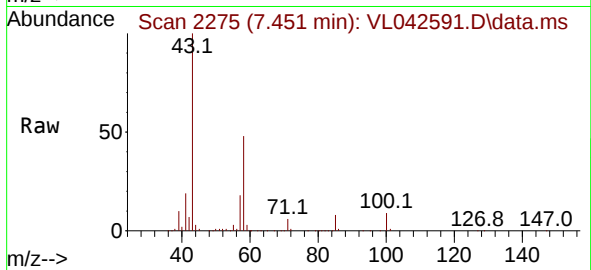
Tgt Ion: 43 Resp: 273778
Ion Ratio Lower Upper
43 100
58 35.7 28.3 42.5





#51
2-Hexanone
Concen: 9.365 ppbv
RT: 7.451 min Scan# 2273
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

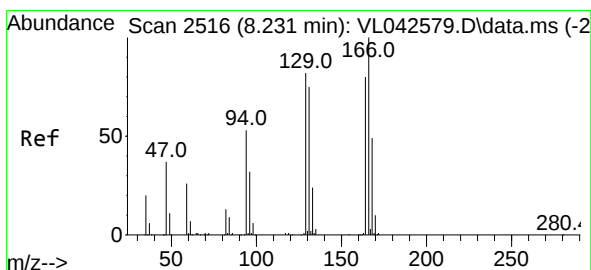
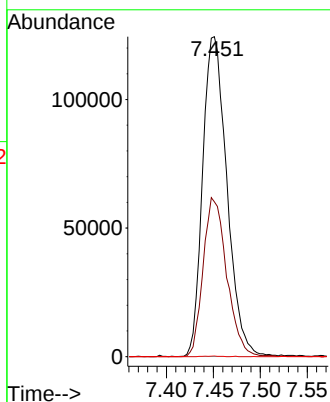
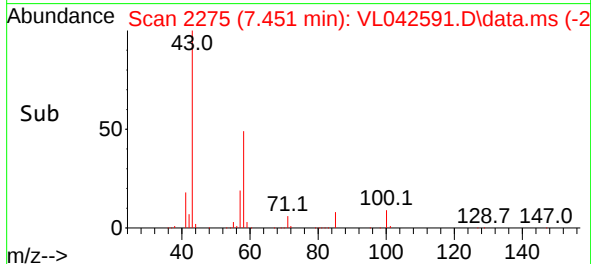
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion: 43 Resp: 223710
Ion Ratio Lower Upper
43 100
58 48.4 39.9 59.9
98 0.1 0.1 0.1

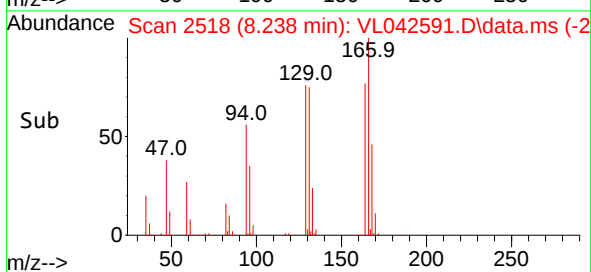
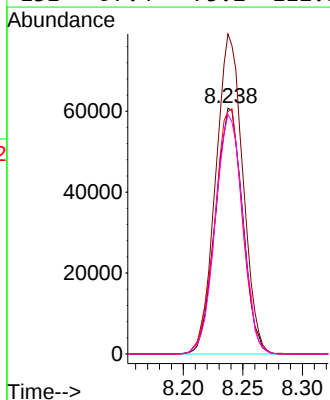
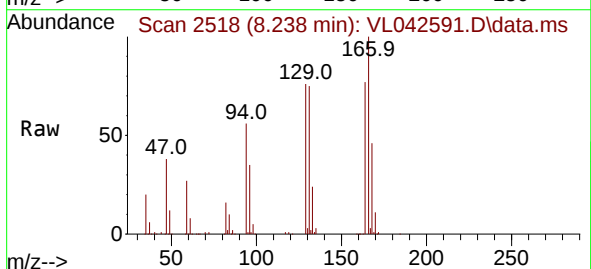
Manual Integrations
APPROVED

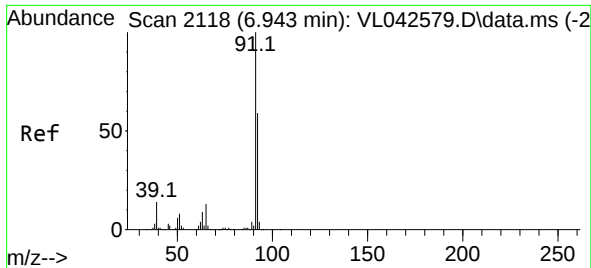
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#52
Tetrachloroethene
Concen: 8.651 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

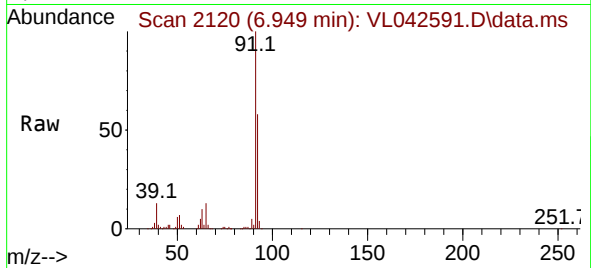
Tgt Ion:164 Resp: 96938
Ion Ratio Lower Upper
164 100
166 130.2 100.0 150.0
129 98.6 82.2 123.4
131 97.4 75.2 112.8





#53
Toluene
Concen: 9.043 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

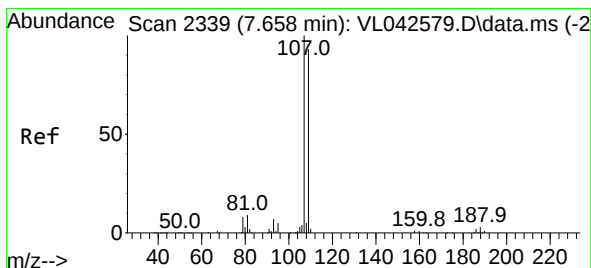
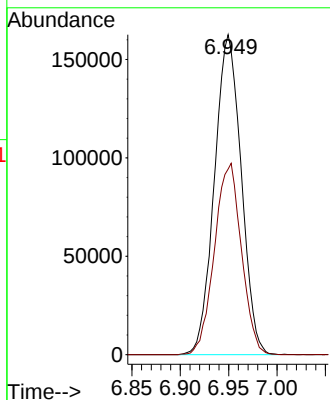
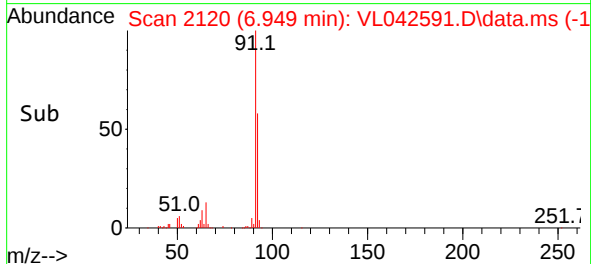
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



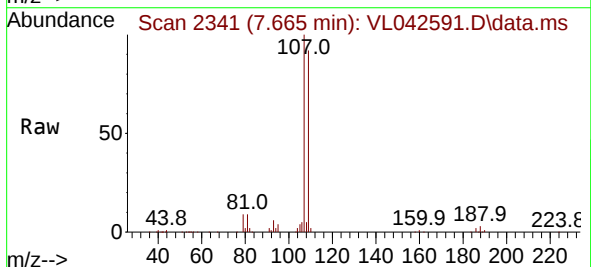
Tgt Ion: 91 Resp: 313414
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

Manual Integrations
APPROVED

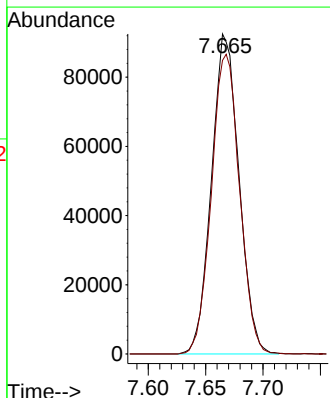
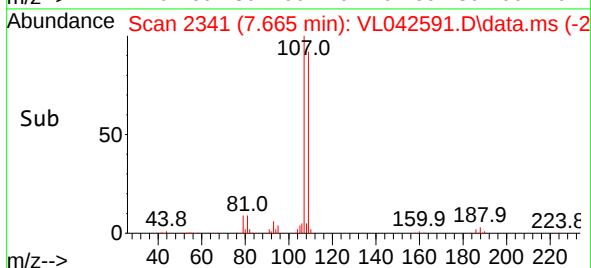
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

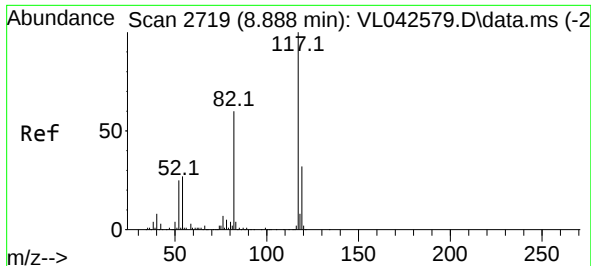


#54
1,2-Dibromoethane
Concen: 9.080 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



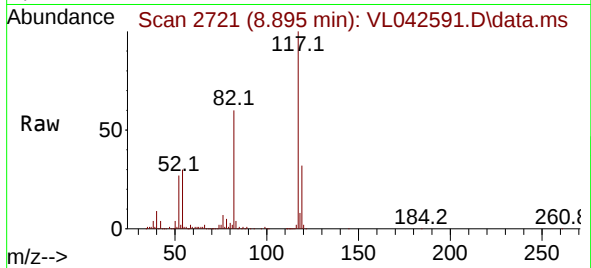
Tgt Ion:107 Resp: 154274
Ion Ratio Lower Upper
107 100
109 91.7 74.3 111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 2719
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

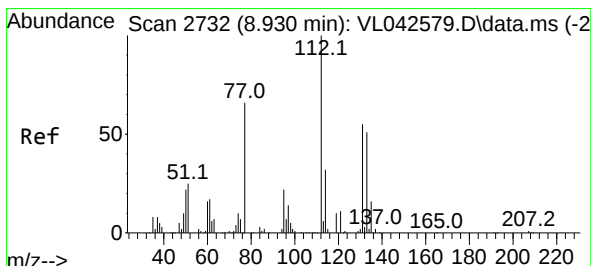
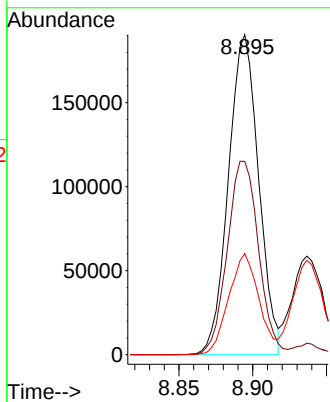
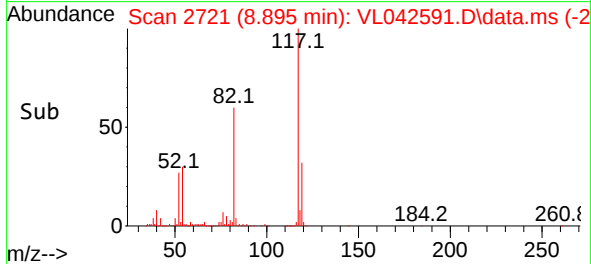
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



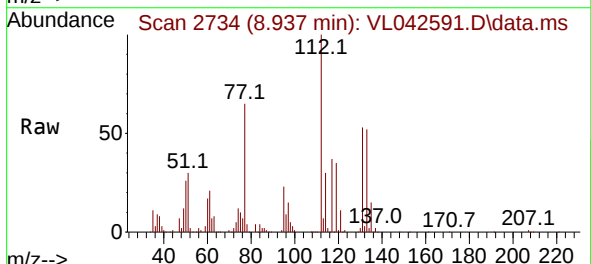
Tgt Ion:117 Resp: 271830
Ion Ratio Lower Upper
117 100
82 65.7 51.2 76.8
119 32.0 26.3 39.5

Manual Integrations
APPROVED

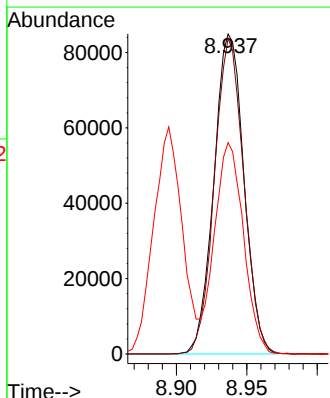
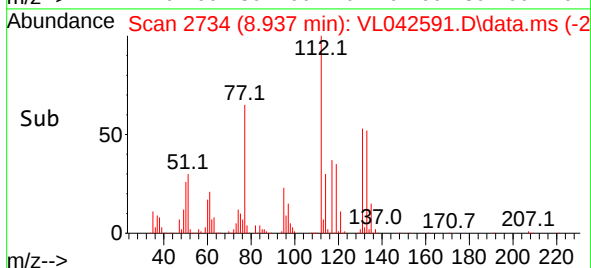
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

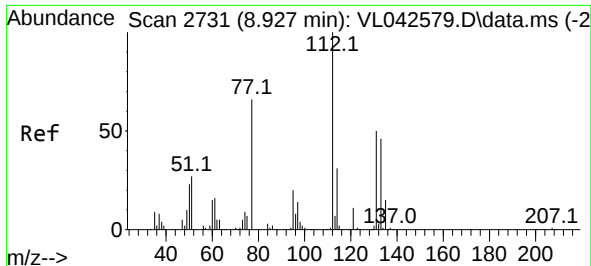


#56
1,1,1,2-Tetrachloroethane
Concen: 9.220 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



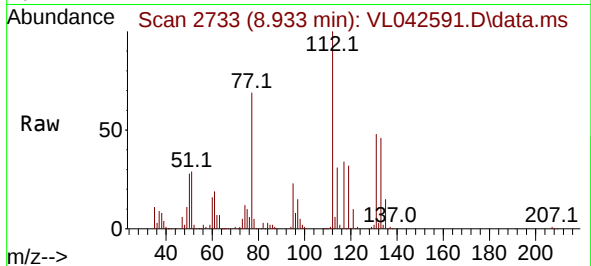
Tgt Ion:131 Resp: 126022
Ion Ratio Lower Upper
131 100
133 96.4 75.0 112.6
119 61.3 50.8 76.2





#57
Chlorobenzene
Concen: 9.030 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

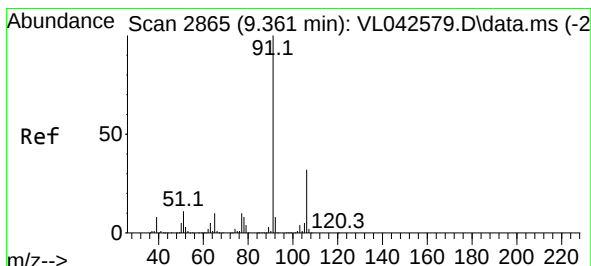
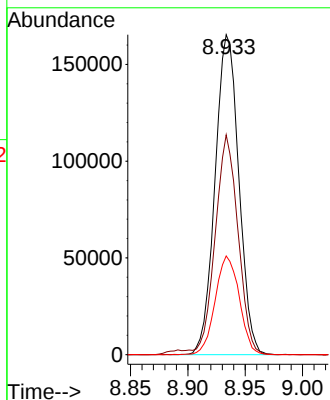
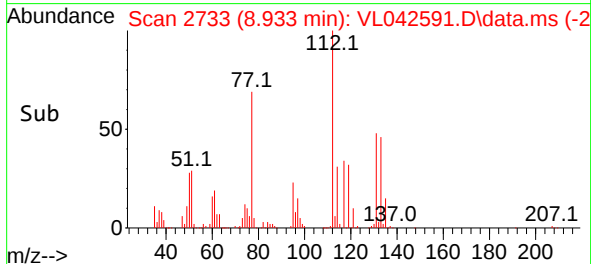
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



Tgt Ion:112 Resp: 23835
Ion Ratio Lower Upper
112 100
77 68.7 53.5 80.3
114 30.9 27.8 34.0

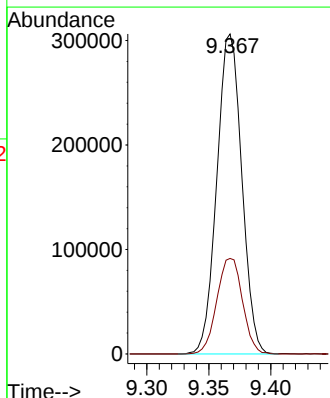
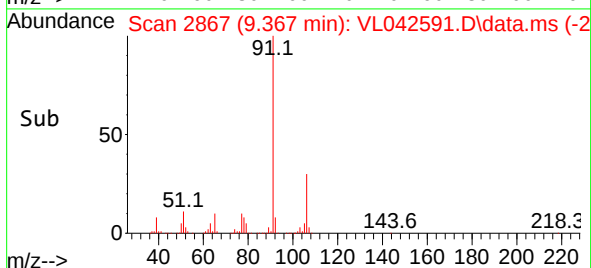
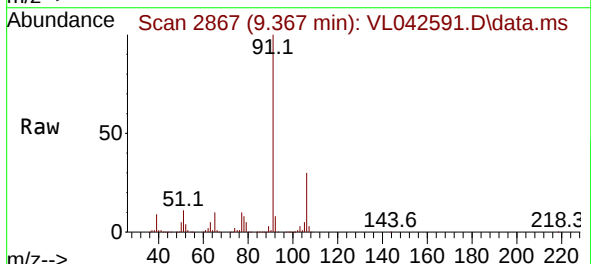
Manual Integrations
APPROVED

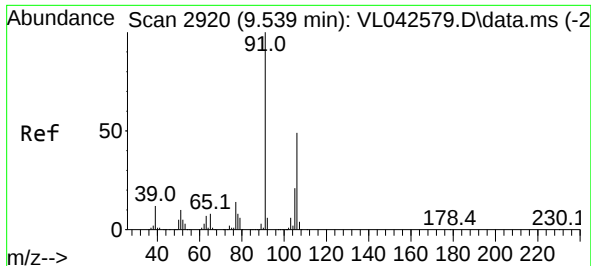
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#58
Ethyl Benzene
Concen: 9.317 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

Tgt Ion: 91 Resp: 429601
Ion Ratio Lower Upper
91 100
106 29.9 25.9 38.9





#59

m/p-Xylene

Concen: 18.515 ppbv m

RT: 9.561 min Scan# 2920

Delta R.T. 0.023 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tgt Ion: 91 Resp: 671824

Ion Ratio Lower Upper

91 100

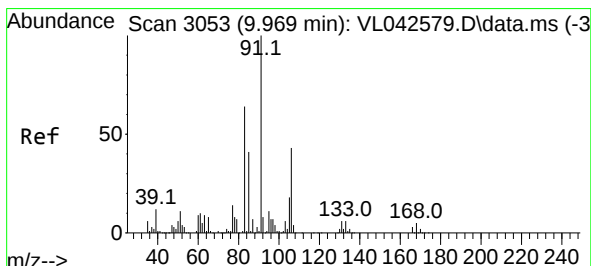
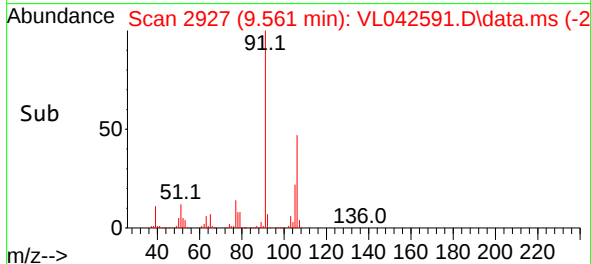
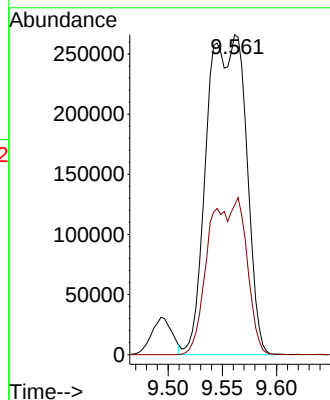
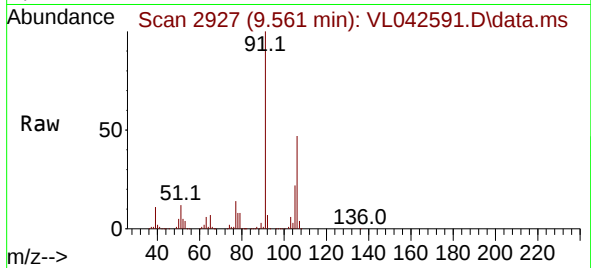
106 0.0 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#60

o-Xylene

Concen: 9.272 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.007 min

Lab File: VL042591.D

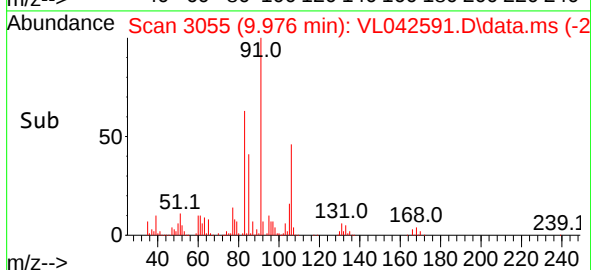
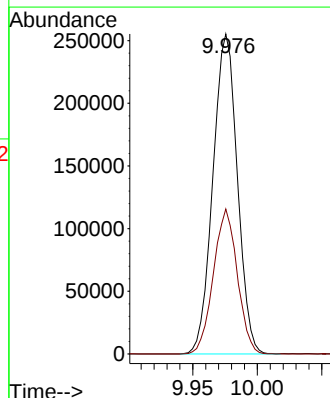
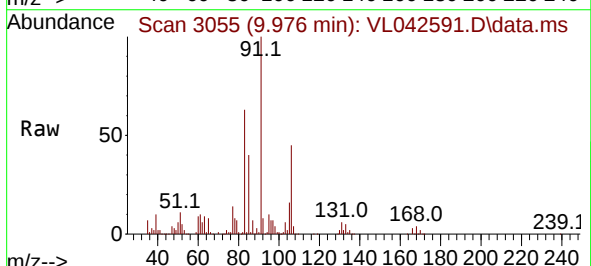
Acq: 29 May 2025 18:27

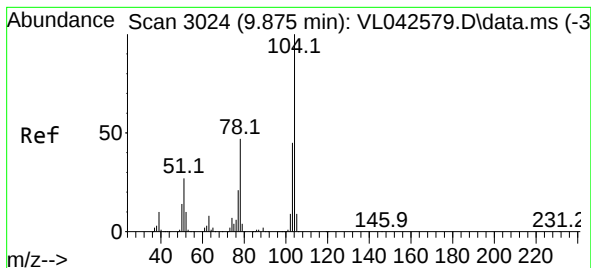
Tgt Ion: 91 Resp: 335550

Ion Ratio Lower Upper

91 100

106 44.3 22.9 68.5





#61

Styrene

Concen: 9.360 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

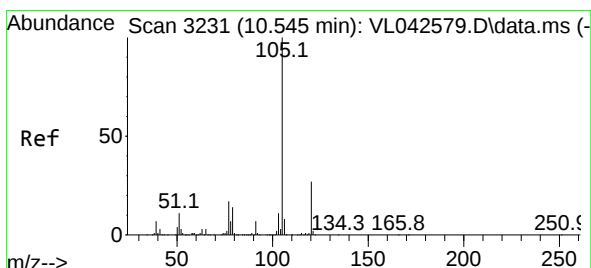
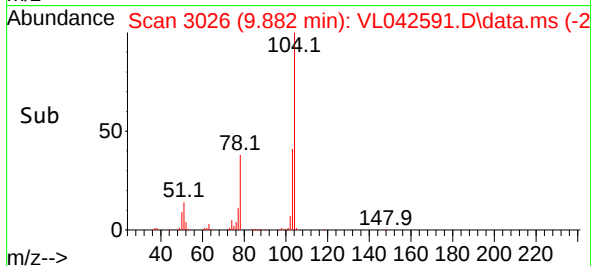
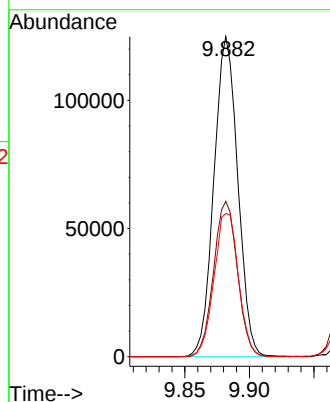
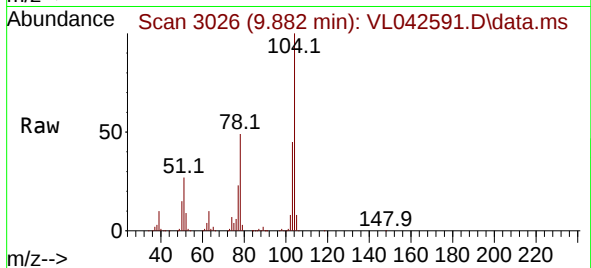
VL0529ABS01

Tgt Ion:104	Resp: 160164
Ion Ratio	Lower Upper
104	100
78	48.5 38.2 57.4
103	45.9 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#62

Isopropylbenzene

Concen: 9.253 ppbv

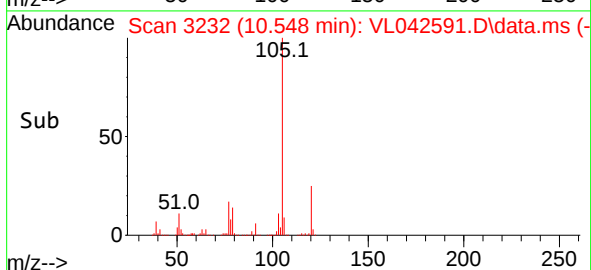
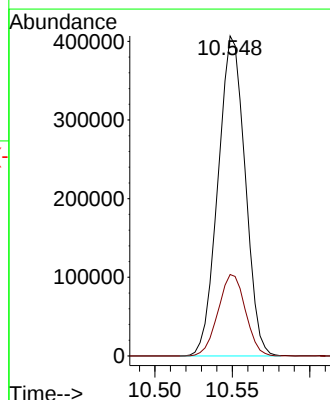
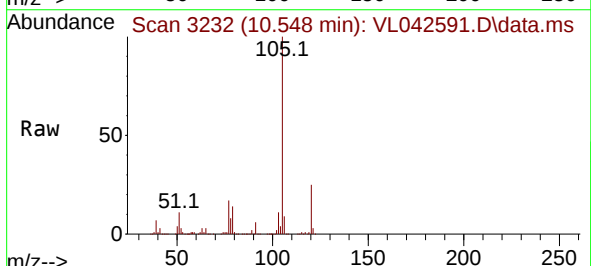
RT: 10.548 min Scan# 3232

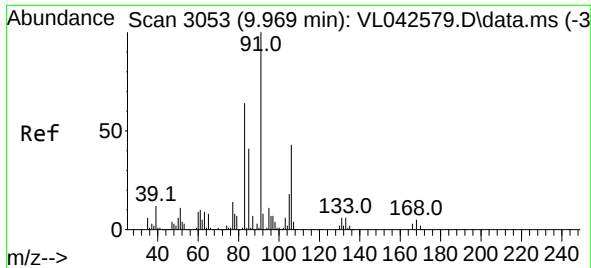
Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

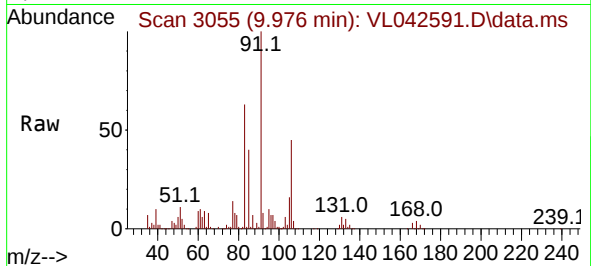
Tgt Ion:105	Resp: 494692
Ion Ratio	Lower Upper
105	100
120	25.7 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 8.953 ppbv
RT: 9.976 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

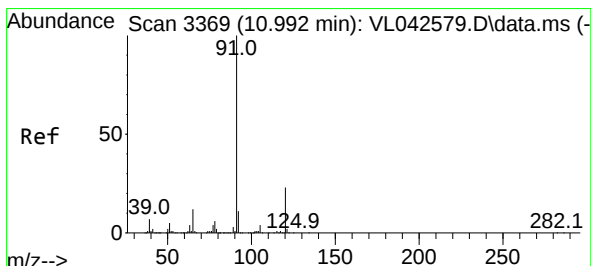
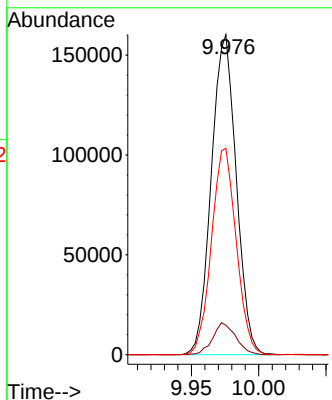
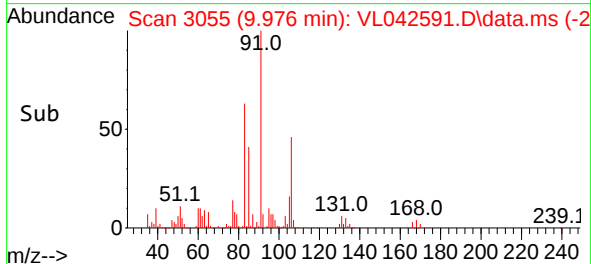
Instrument : MSVOA_L
ClientSampleId : VL0529ABS01



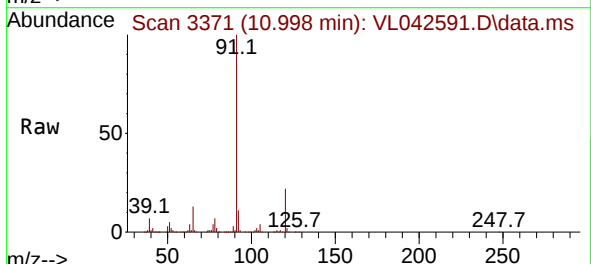
Tgt Ion: 83 Resp: 206035
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 64.2 32.5 97.4

Manual Integrations
APPROVED

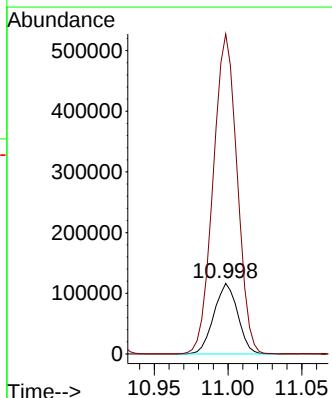
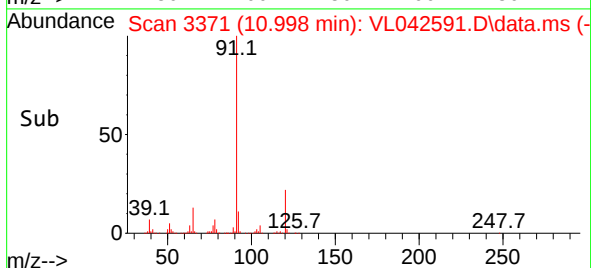
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

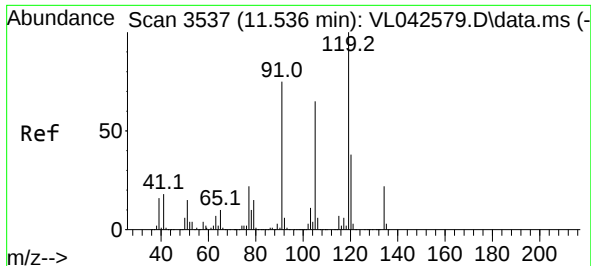


#64
n-propylbenzene
Concen: 9.116 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



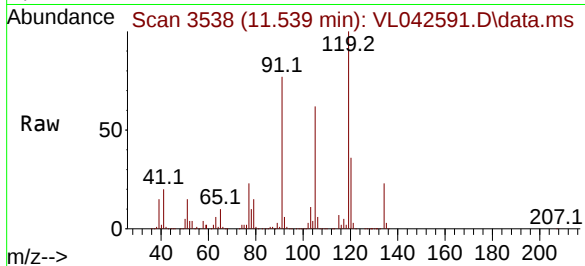
Tgt Ion:120 Resp: 130645
Ion Ratio Lower Upper
120 100
91 456.2 363.0 544.6





#65
tert-Butylbenzene
Concen: 8.852 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

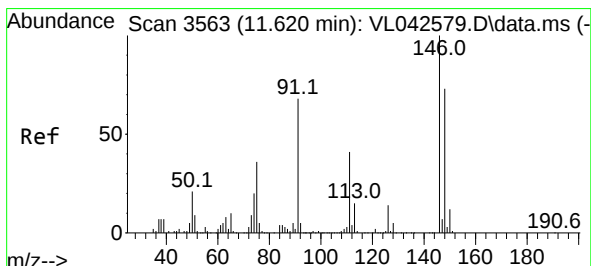
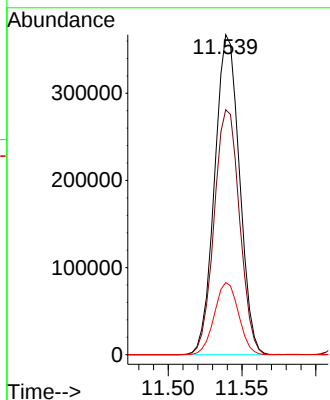
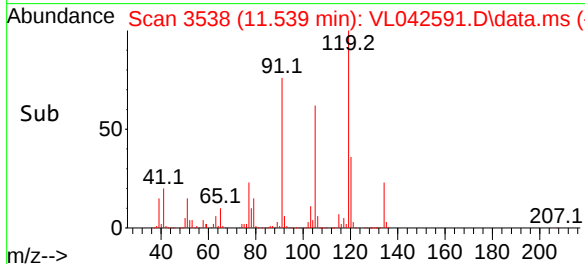
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



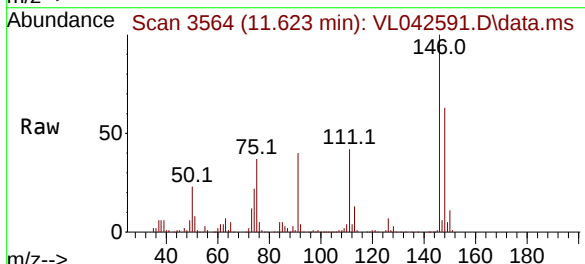
Tgt Ion: 119 Resp: 429459
Ion Ratio Lower Upper
119 100
91 78.6 61.1 91.7
134 22.0 17.4 26.2

Manual Integrations
APPROVED

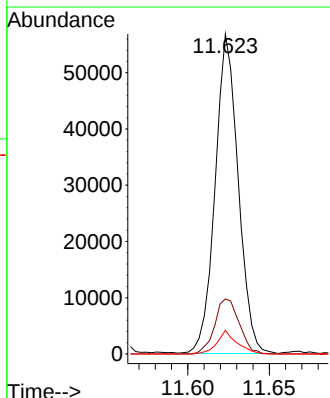
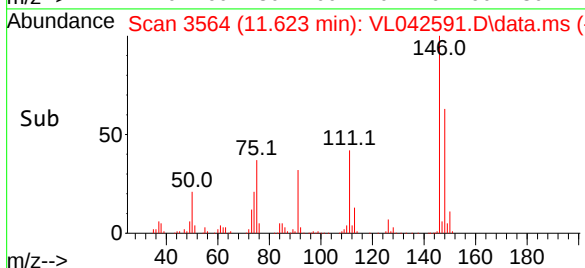
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

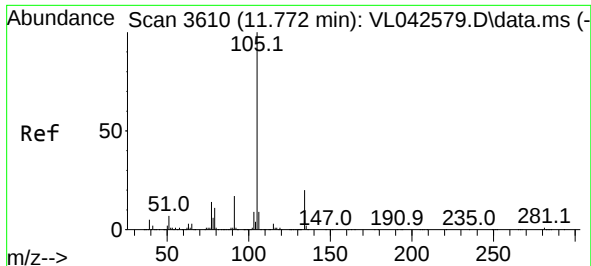


#66
Benzyl Chloride
Concen: 8.948 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion: 91 Resp: 55881
Ion Ratio Lower Upper
91 100
126 18.3 15.1 22.7
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 8.951 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.003 min

Lab File: VL042591.D

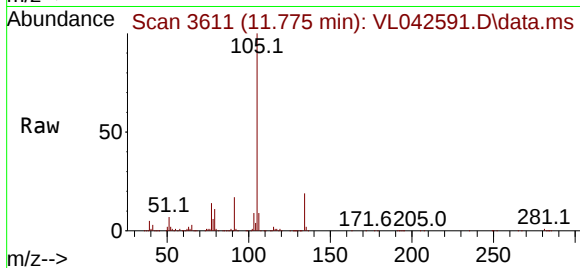
Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01



Tgt Ion:105 Resp: 610578

Ion Ratio Lower Upper

105 100

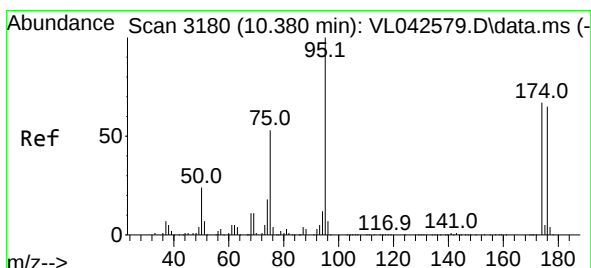
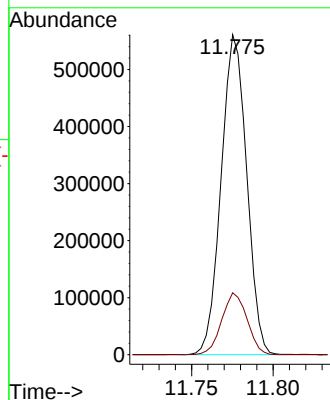
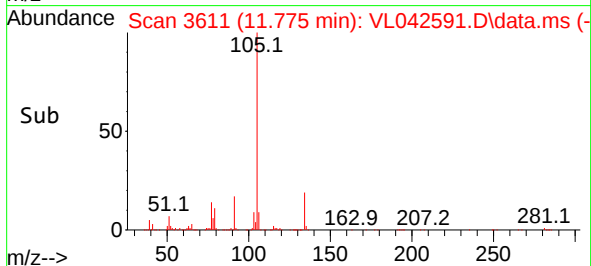
134 19.2 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.181 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.006 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

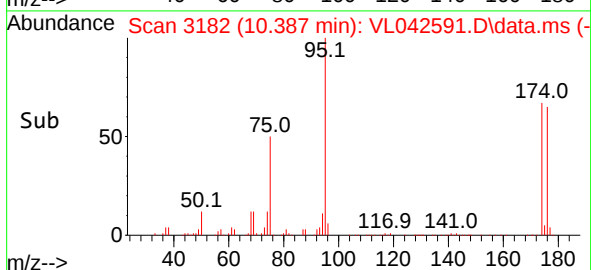
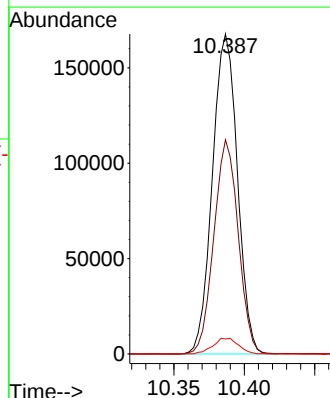
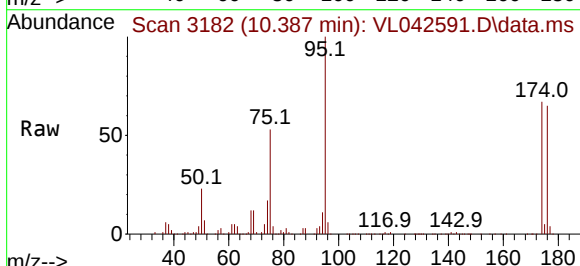
Tgt Ion: 95 Resp: 207449

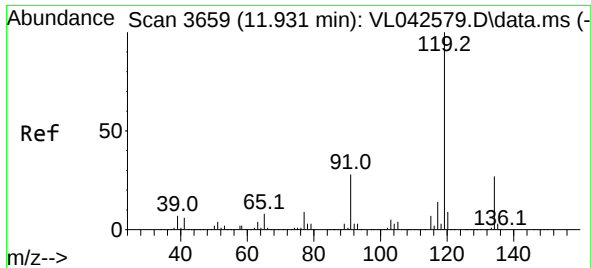
Ion Ratio Lower Upper

95 100

174 65.3 53.1 79.7

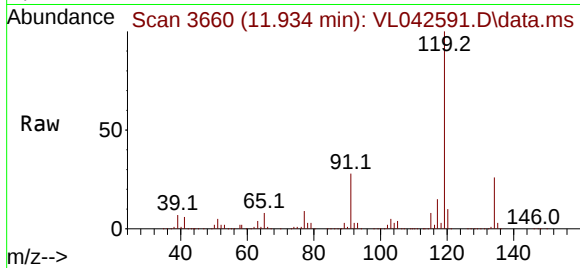
175 5.1 4.2 6.2





#69
p-Isopropyltoluene
Concen: 9.064 ppbv
RT: 11.934 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

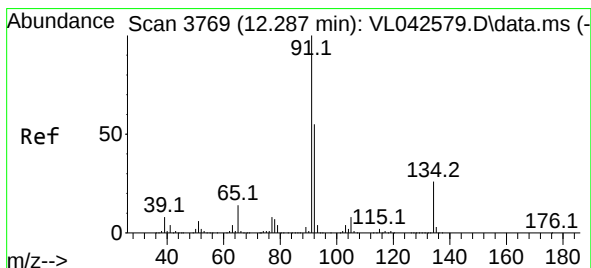
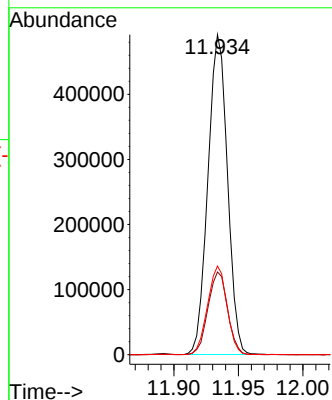
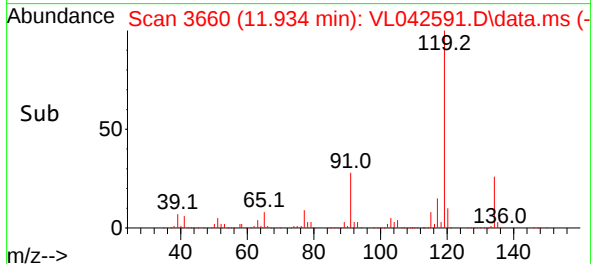
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



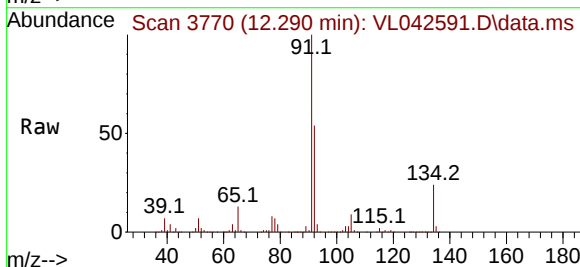
Tgt Ion: 119 Resp: 51773
Ion Ratio Lower Upper
119 100
134 26.1 21.1 31.7
91 27.6 21.9 32.9

Manual Integrations
APPROVED

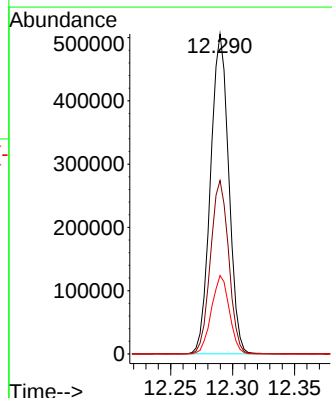
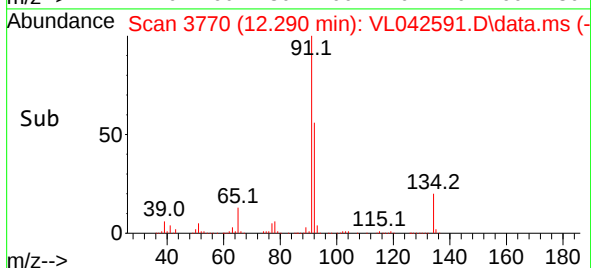
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

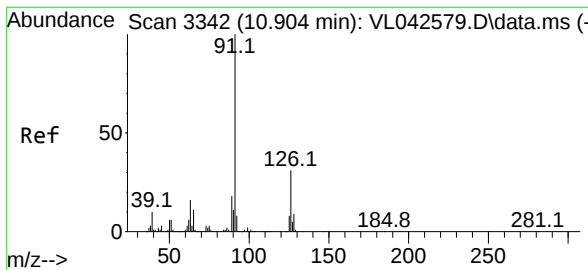


#70
n-Butylbenzene
Concen: 9.173 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



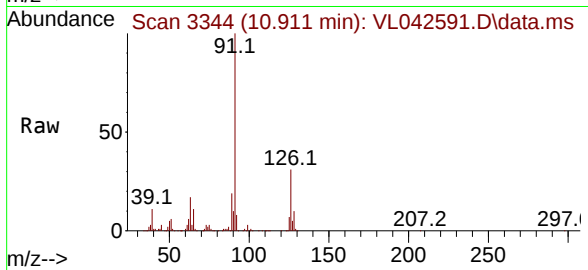
Tgt Ion: 91 Resp: 517212
Ion Ratio Lower Upper
91 100
92 54.4 44.4 66.6
134 24.2 20.1 30.1





#71
2-Chlorotoluene
Concen: 9.156 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

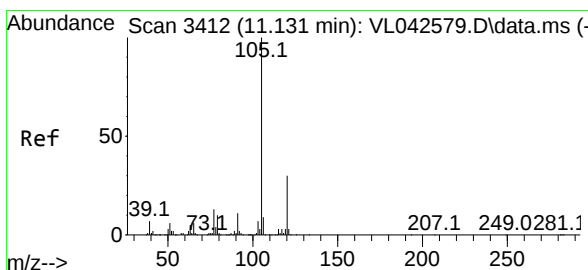
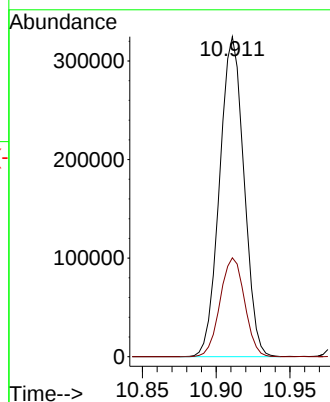
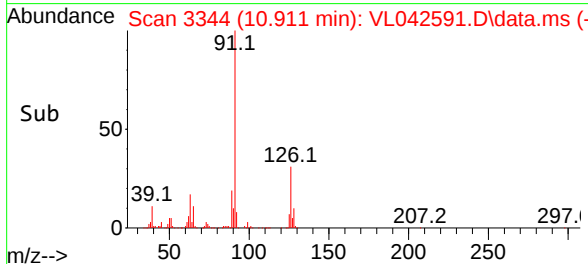
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



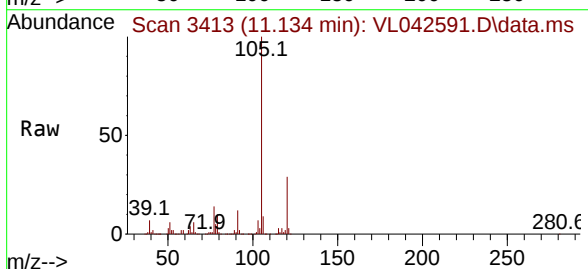
Tgt Ion: 91 Resp: 373380
Ion Ratio Lower Upper
91 100
126 31.0 12.6 50.4

Manual Integrations
APPROVED

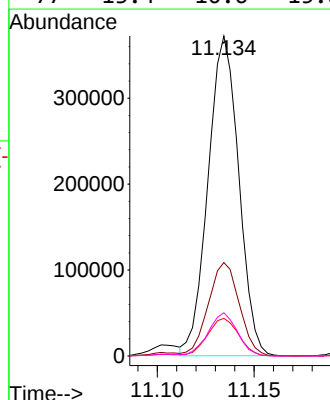
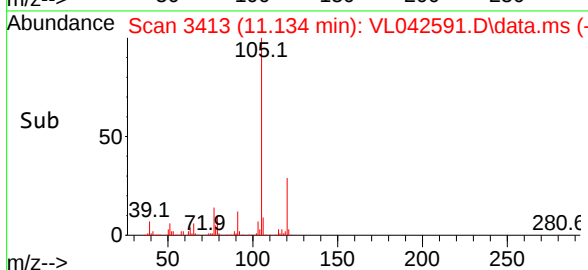
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

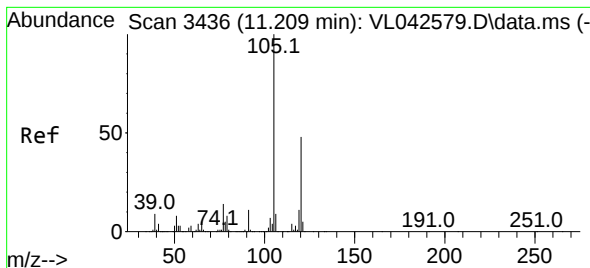


#72
4-Ethyltoluene
Concen: 9.081 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



Tgt Ion:105 Resp: 409747
Ion Ratio Lower Upper
105 100
120 30.6 24.6 36.8
91 12.6 9.6 14.4
77 13.4 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.127 ppbv

RT: 11.212 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Instrument :

MSVOA_L

ClientSampleId :

VL0529ABS01

Tgt Ion:105 Resp: 340820

Ion Ratio Lower Upper

105 100

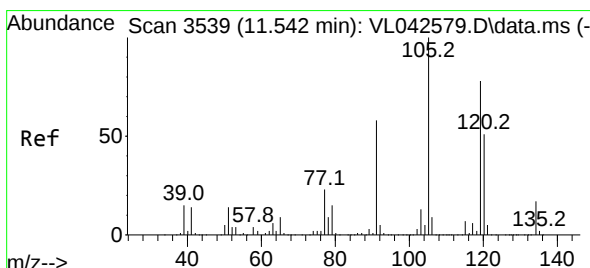
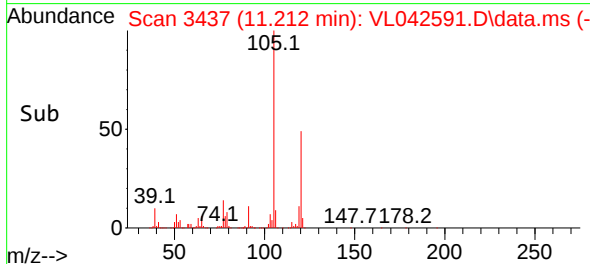
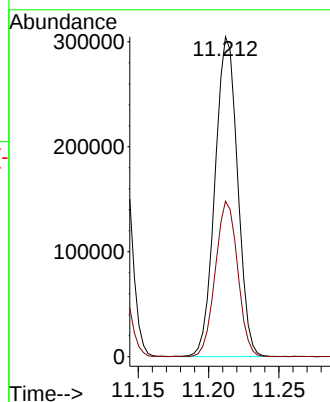
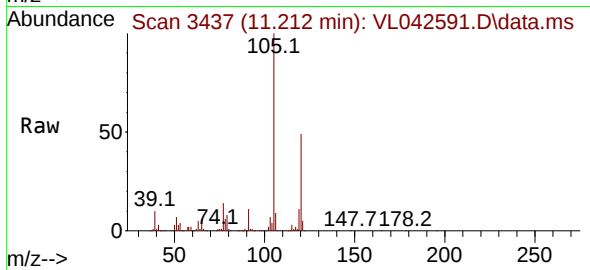
120 48.6 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.953 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042591.D

Acq: 29 May 2025 18:27

Tgt Ion:105 Resp: 371004

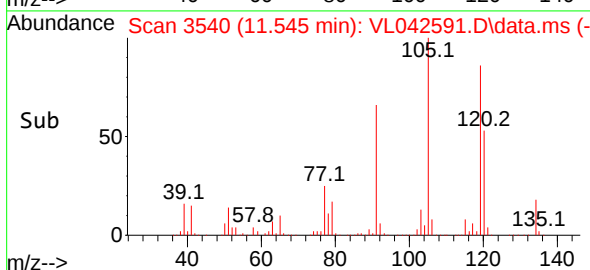
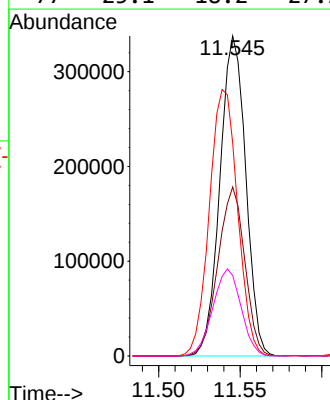
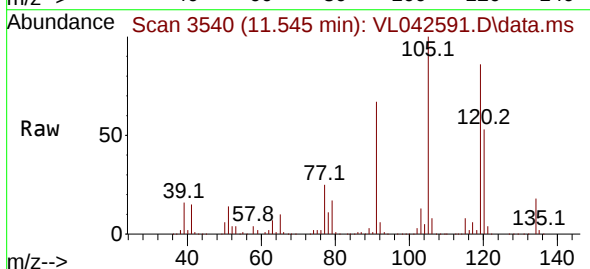
Ion Ratio Lower Upper

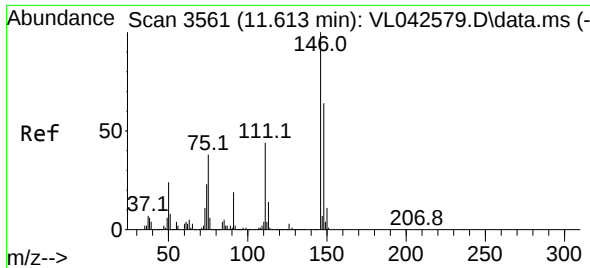
105 100

120 52.8 40.8 61.2

91 66.5 46.8 70.2

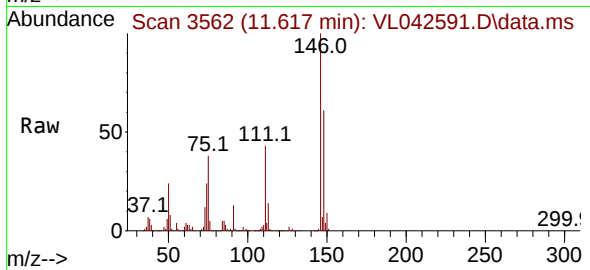
77 25.1 18.2 27.2





#75
1,3-Dichlorobenzene
Concen: 9.136 ppbv
RT: 11.617 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

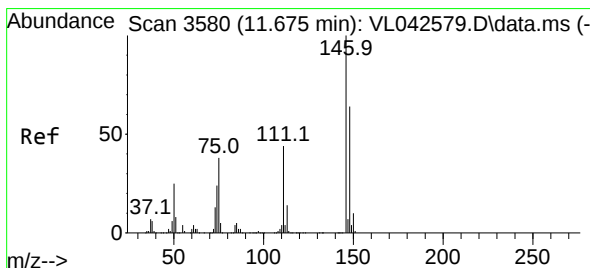
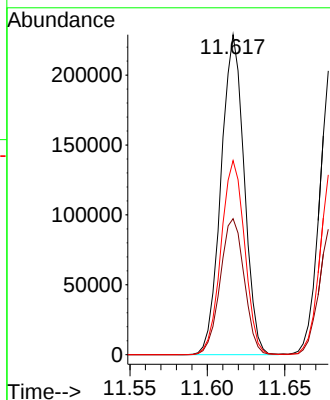
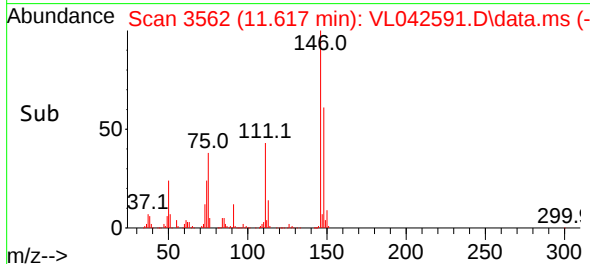
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



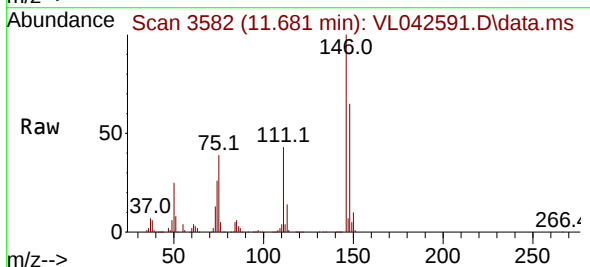
Tgt Ion:146 Resp: 23776
Ion Ratio Lower Upper
146 100
111 44.0 22.4 67.3
148 61.9 32.0 96.2

Manual Integrations
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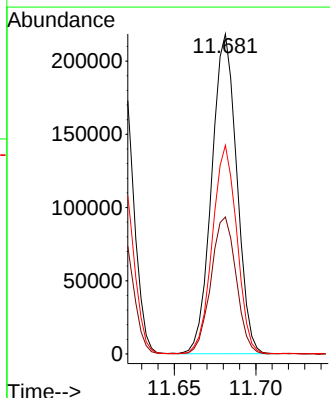
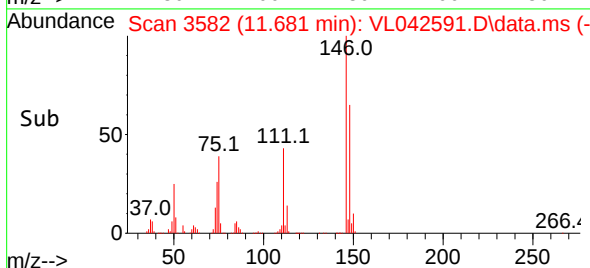
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

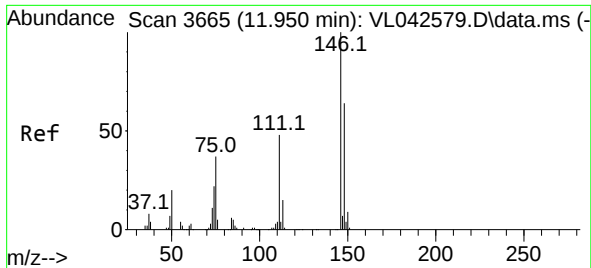


#76
1,4-Dichlorobenzene
Concen: 8.989 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.007 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



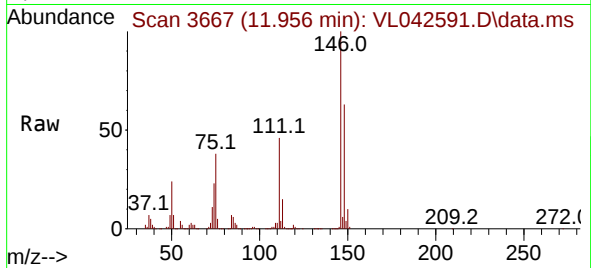
Tgt Ion:146 Resp: 233300
Ion Ratio Lower Upper
146 100
111 43.3 21.6 64.8
148 63.9 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 8.894 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.006 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

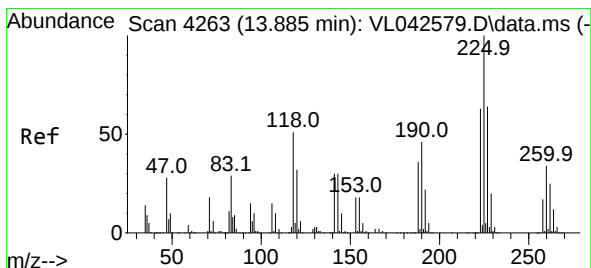
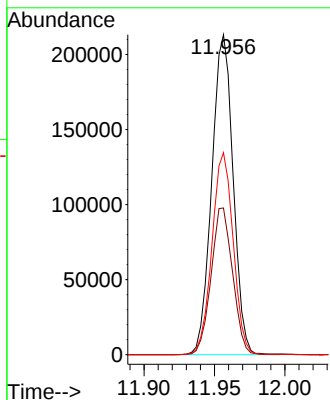
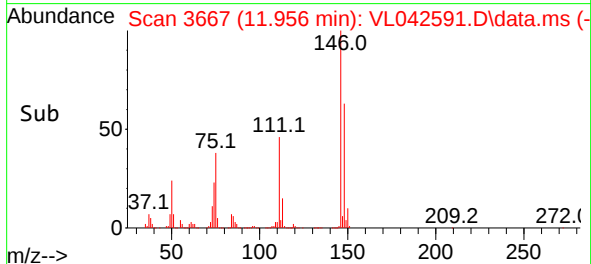
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



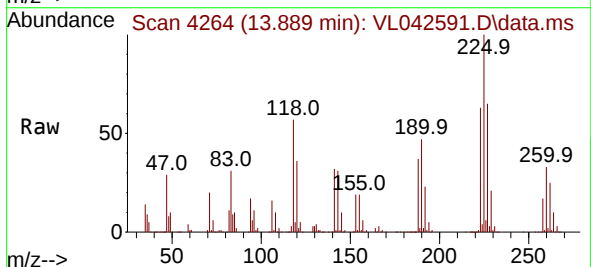
Tgt Ion:146 Resp: 224628
Ion Ratio Lower Upper
146 100
111 46.3 23.1 69.3
148 62.8 32.1 96.3

Manual Integrations
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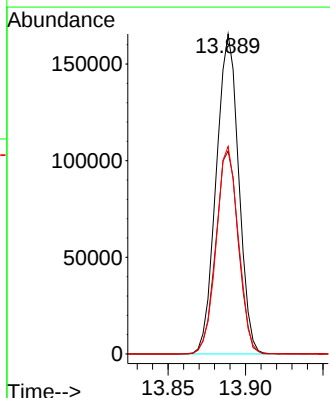
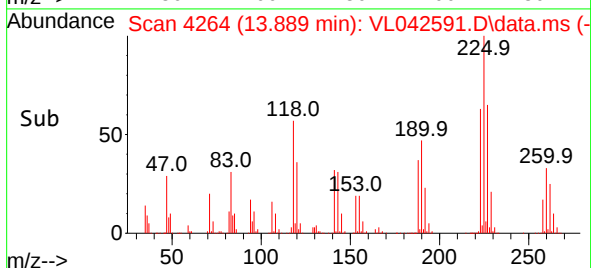
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

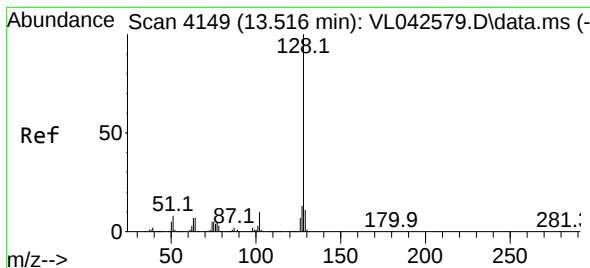


#78
Hexachloro-1,3-Butadiene
Concen: 7.995 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



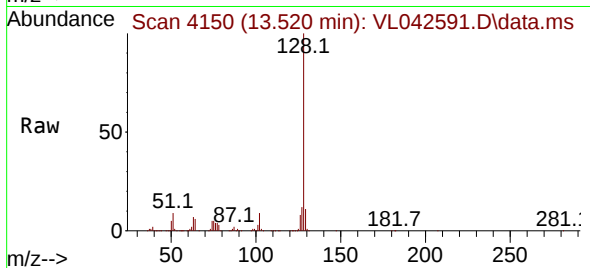
Tgt Ion:225 Resp: 167082
Ion Ratio Lower Upper
225 100
223 63.5 50.2 75.4
227 63.7 51.1 76.7





#79
Naphthalene
Concen: 9.581 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27

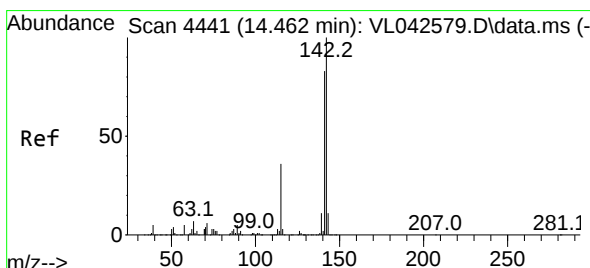
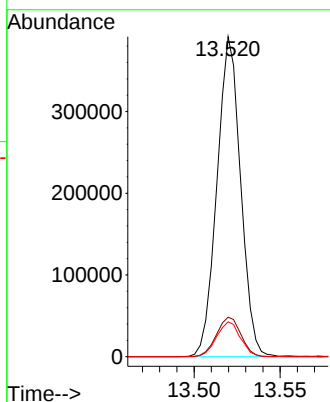
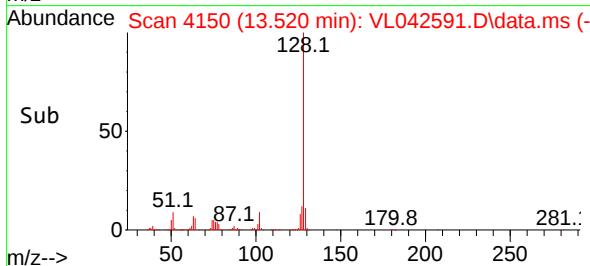
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABS01



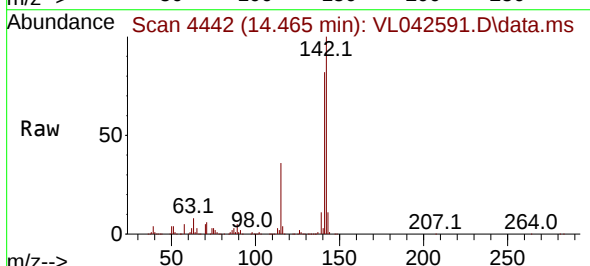
Tgt Ion:128 Resp: 374244
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.9 8.8 13.2

Manual Integrations
APPROVED

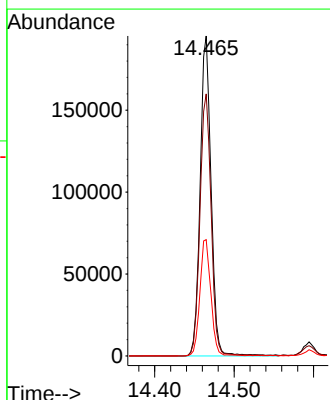
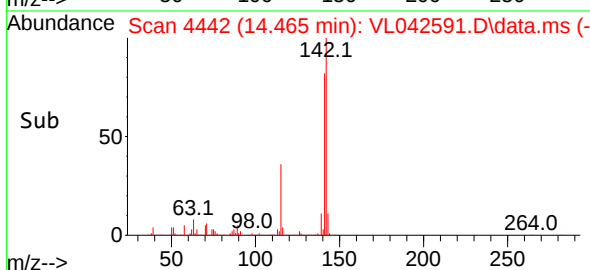
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

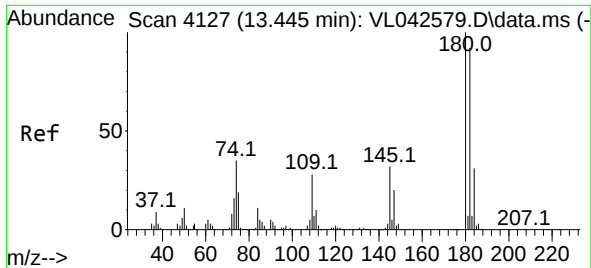


#80
Naphthalene,2-methyl-
Concen: 10.604 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042591.D
Acq: 29 May 2025 18:27



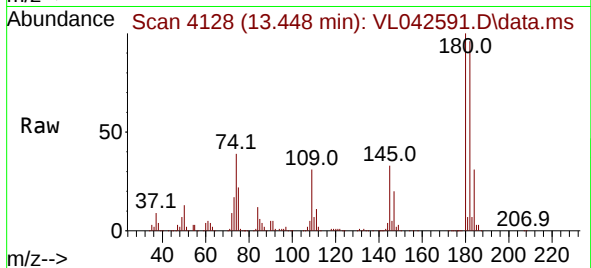
Tgt Ion:142 Resp: 187133
Ion Ratio Lower Upper
142 100
141 84.1 66.2 99.4
115 37.0 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 9.132 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042591.D
 Acq: 29 May 2025 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABS01



Tgt Ion:180 Resp: 19913
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.0 112.4
 184 29.5 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

