

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042939.D
 Acq On : 18 Sep 2025 09:38
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 19 01:21:56 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

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

QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	157654	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	416196	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	350205	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 287353 10.498 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	223802	9.938	ppbv	98
3) Chlorodifluoromethane	1.476	51	244077	10.294	ppbv	100
4) Chloromethane	1.534	50	85553	9.453	ppbv	98
5) Vinyl Chloride	1.583	62	77985	9.134	ppbv	95
6) Bromomethane	1.670	94	28462	9.593	ppbv	99
7) Chloroethane	1.706	64	31268	9.943	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	175256	9.809	ppbv	100
9) Propene	1.486	41	97529	11.264	ppbv	98
10) Heptane	4.988	43	256082	11.936	ppbv	99
11) Trichlorofluoromethane	1.881	101	212480	9.551	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	163856	9.428	ppbv	97
13) Ethanol	1.725	45	6145	6.961	ppbv	93
14) Bromoethene	1.784	108	57603	9.303	ppbv	98
15) Acetone	1.839	43	154852	7.997	ppbv	98
16) 1,3-Butadiene	1.612	39	79708	9.840	ppbv	98
17) tert-Butyl alcohol	2.042	59	188621	10.116	ppbv	98
18) 1,1-Dichloroethene	2.039	96	73857	9.708	ppbv	96
19) Isopropyl Alcohol	1.890	45	99740	9.607	ppbv #	1
20) Methylene Chloride	2.065	84	66946	7.941	ppbv	96
21) Allyl Chloride	2.101	41	128419	9.783	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	84863	9.842	ppbv	99
23) Vinyl Acetate	2.466	43	245936	10.931	ppbv	98
24) 1,1-Dichloroethane	2.411	63	167836	9.854	ppbv	98
25) Ethyl Acetate	2.842	43	459524	11.113	ppbv	100
26) Hexane	2.832	57	205167	11.562	ppbv	98
27) Carbon Disulfide	2.156	76	213658	9.762	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	93883	9.628	ppbv	98
29) Chloroform	2.855	83	299404	10.322	ppbv	99
30) Cyclohexane	3.865	84	167350	12.518	ppbv	100
31) cis-1,2-Dichloroethene	2.725	61	194977	11.254	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	278380	10.257	ppbv	100
34) 2-Butanone	2.560	43	290768	10.777	ppbv	98
35) Carbon Tetrachloride	3.771	117	285378	9.646	ppbv	94
36) Benzene	3.664	78	399269	10.998	ppbv	97
37) 1,2-Dichloroethane	3.224	62	224589	10.330	ppbv	99
38) Trichloroethene	4.557	130	168064	10.227	ppbv	95
39) 1,2-Dichloropropane	4.324	63	151824	10.348	ppbv	96
40) 1,4-Dioxane	4.593	88	55603	10.678	ppbv #	96
41) Tetrahydrofuran	3.059	42	160226	12.000	ppbv	99
42) Bromodichloromethane	4.499	83	320875	10.284	ppbv	97
43) Methyl Methacrylate	4.891	69	148839	12.245	ppbv	99
44) 2,2,4-Trimethylpentane	4.651	57	694671	11.472	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	153654	11.989	ppbv	97

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M

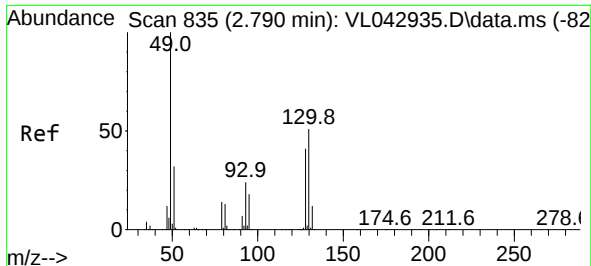
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	208635	11.808	ppbv	95
47) 1,1,2-Trichloroethane	6.596	97	157128	10.503	ppbv	98
48) Dibromochloromethane	7.396	129	244295	10.426	ppbv	100
49) Bromoform	9.493	173	196187	10.728	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	392734	12.175	ppbv	100
51) 2-Hexanone	7.444	43	306892	12.811	ppbv	100
52) Tetrachloroethene	8.234	164	116819	10.435	ppbv	94
53) Toluene	6.946	91	426986	12.613	ppbv	100
54) 1,2-Dibromoethane	7.665	107	211227	10.975	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	180285	10.105	ppbv	97
57) Chlorobenzene	8.933	112	338397	10.455	ppbv	99
58) Ethyl Benzene	9.364	91	581778	12.894	ppbv	99
59) m/p-Xylene	9.561	91	971576m	25.483	ppbv	
60) o-Xylene	9.972	91	491310	12.961	ppbv	99
61) Styrene	9.878	104	200245	10.204	ppbv	99
62) Isopropylbenzene	10.548	105	691261	12.519	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	275929	10.076	ppbv	99
64) n-propylbenzene	10.995	120	178404	12.461	ppbv	99
65) tert-Butylbenzene	11.539	119	607057	12.865	ppbv	99
66) Benzyl Chloride	11.623	91	56239	12.827	ppbv	99
67) sec-Butylbenzene	11.775	105	896962	12.495	ppbv	100
69) p-Isopropyltoluene	11.934	119	726503	13.132	ppbv	99
70) n-Butylbenzene	12.286	91	766822	10.360	ppbv	100
71) 2-Chlorotoluene	10.908	91	522845	12.761	ppbv	99
72) 4-Ethyltoluene	11.131	105	585141	10.212	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	480708	12.818	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	555055	12.594	ppbv #	85
75) 1,3-Dichlorobenzene	11.613	146	315272	11.284	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	314779	11.710	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	310827	11.026	ppbv	100
78) Hexachloro-1,3-Butadiene	13.889	225	176944	9.828	ppbv	99
79) Naphthalene	13.520	128	452592	9.778	ppbv	100
80) Naphthalene,2-methyl-	14.465	142	115977	8.078	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	221727	9.972	ppbv	99

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



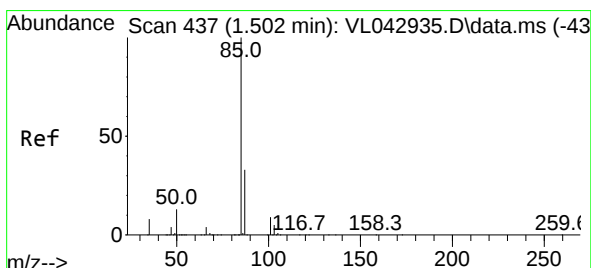
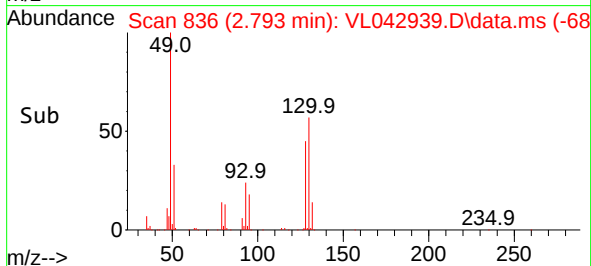
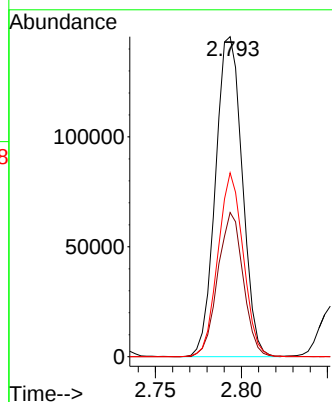
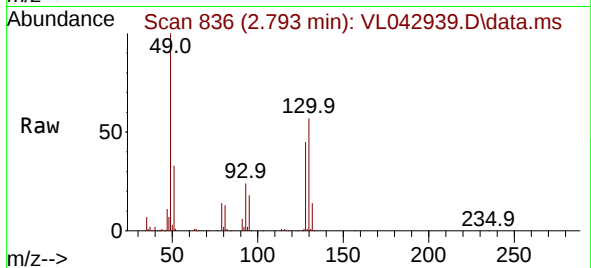
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 157654
Ion Ratio Lower Upper
49 100
128 42.8 21.1 63.4
130 54.4 26.4 79.2

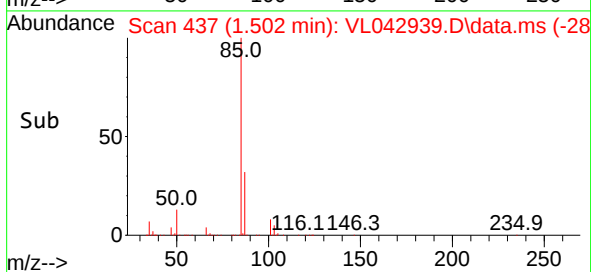
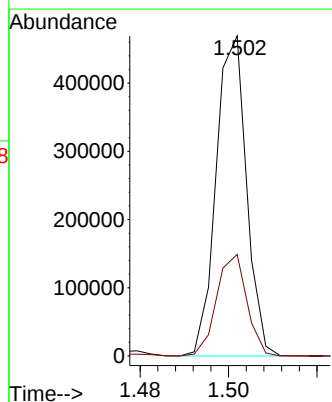
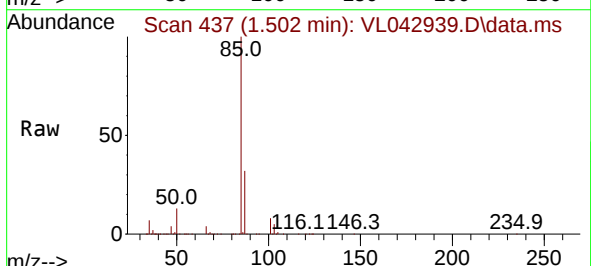
Manual Integrations
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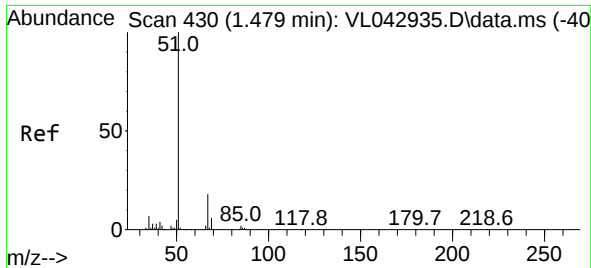
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#2
Dichlorodifluoromethane
Concen: 9.938 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 85 Resp: 223802
Ion Ratio Lower Upper
85 100
87 31.7 26.1 39.1





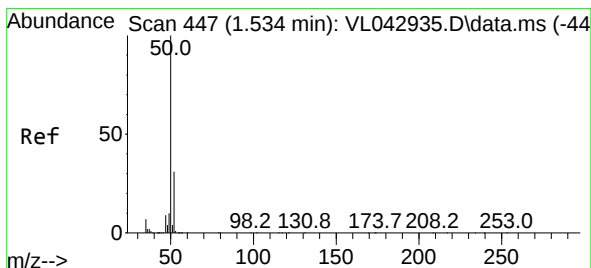
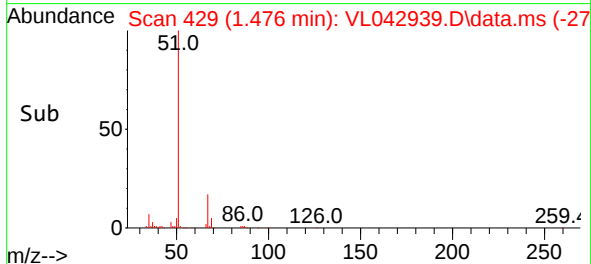
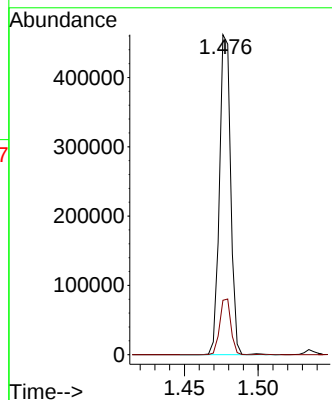
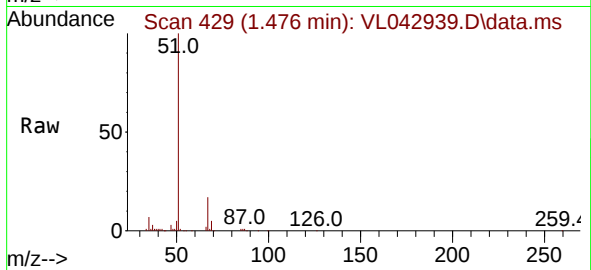
#3
Chlorodifluoromethane
Concen: 10.294 ppbv
RT: 1.476 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 244072
Ion Ratio Lower Upper
51 100
67 17.4 14.1 21.1

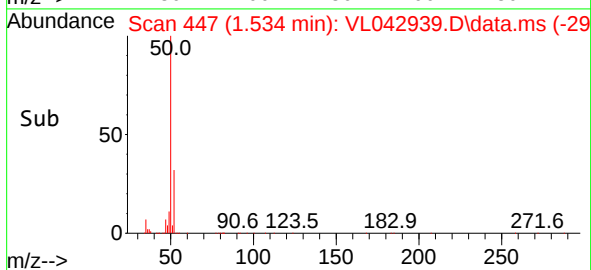
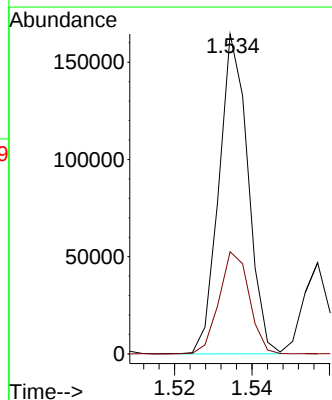
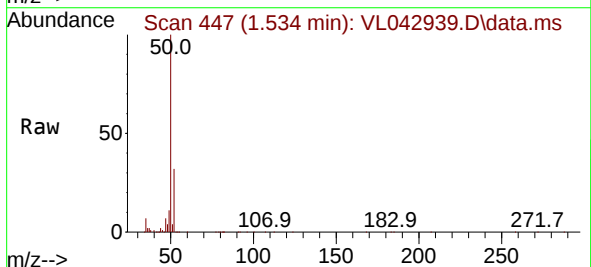
Manual Integrations
APPROVED

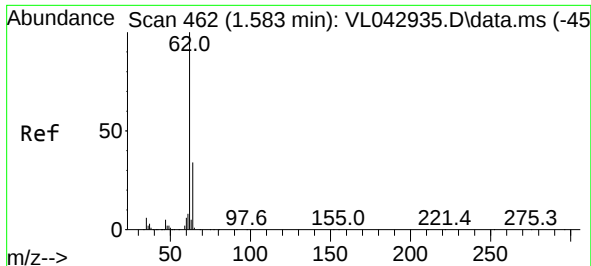
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#4
Chloromethane
Concen: 9.453 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

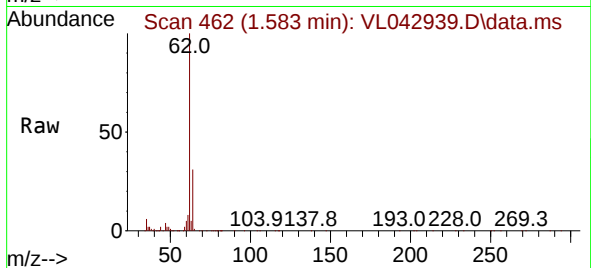
Tgt Ion: 50 Resp: 85553
Ion Ratio Lower Upper
50 100
52 31.9 24.6 36.8





#5
 Vinyl Chloride
 Concen: 9.134 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

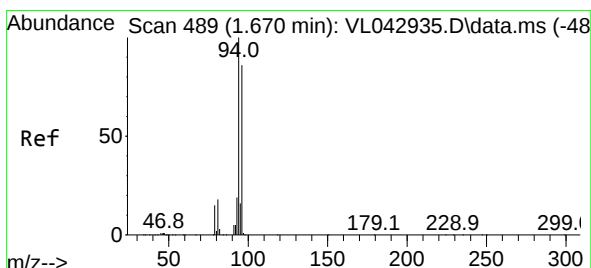
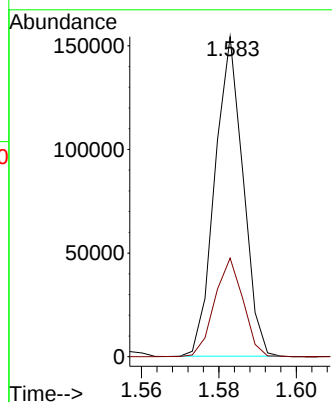
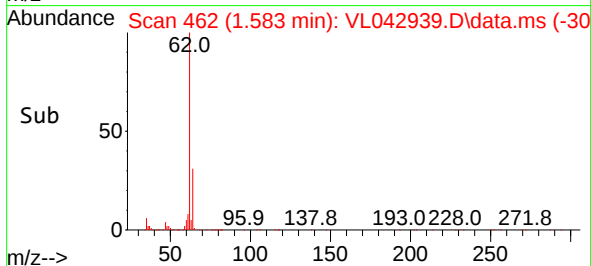
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



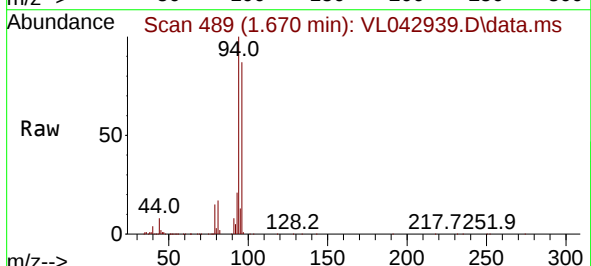
Tgt Ion: 62 Resp: 77985
 Ion Ratio Lower Upper
 62 100
 64 30.8 27.0 40.6

Manual Integrations
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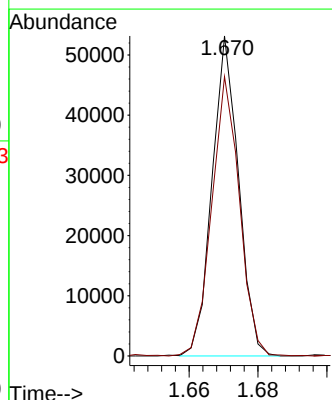
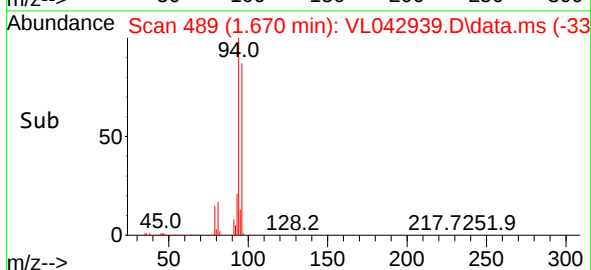
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

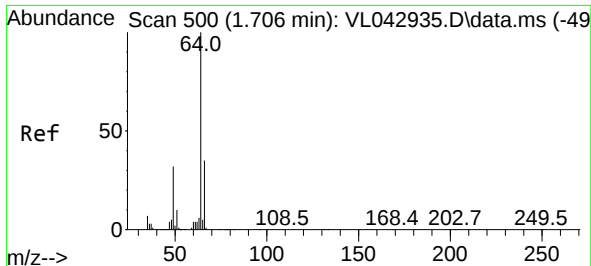


#6
 Bromomethane
 Concen: 9.593 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38



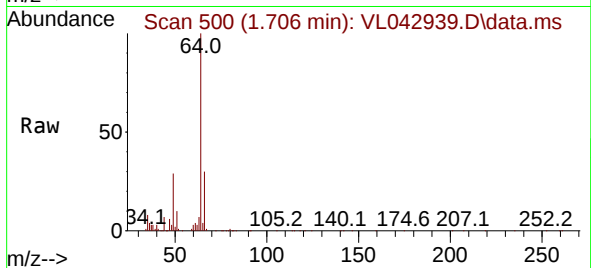
Tgt Ion: 94 Resp: 28462
 Ion Ratio Lower Upper
 94 100
 96 87.0 68.6 103.0





#7
Chloroethane
Concen: 9.943 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

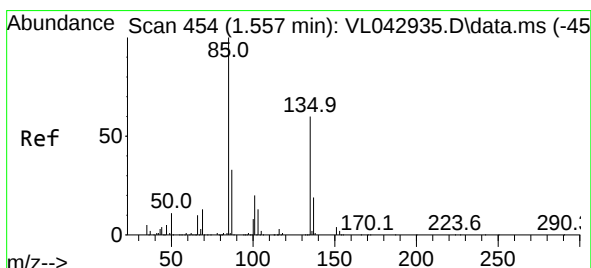
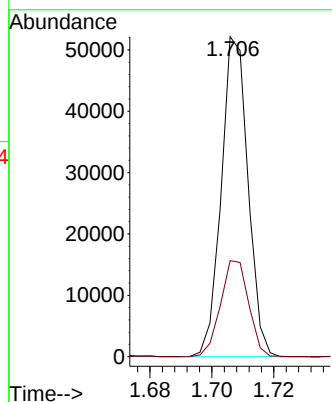
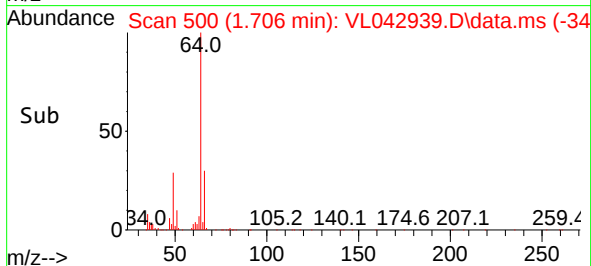
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



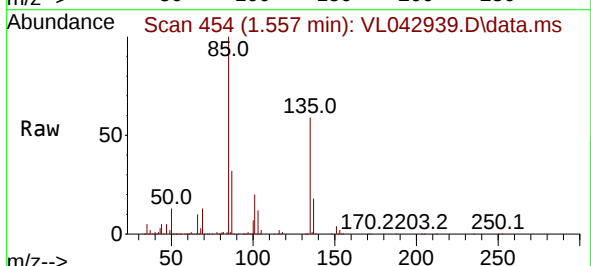
Tgt Ion: 64 Resp: 31268
Ion Ratio Lower Upper
64 100
66 30.0 27.9 41.9

Manual Integrations
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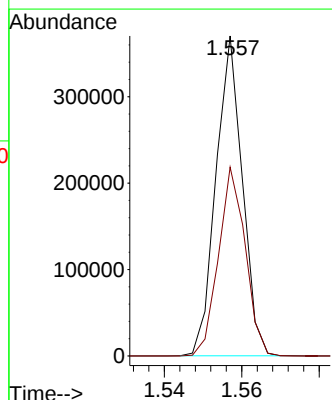
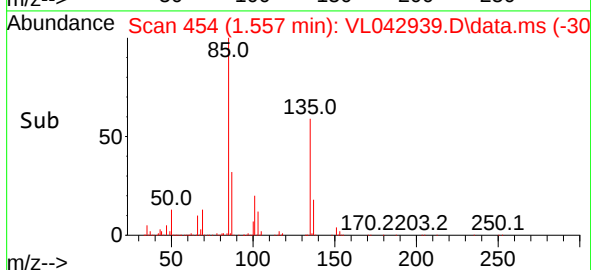
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

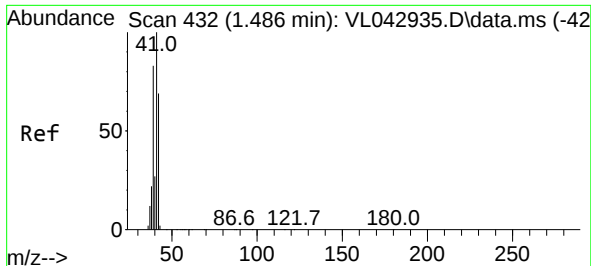


#8
Dichlorotetrafluoroethane
Concen: 9.809 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38



Tgt Ion: 85 Resp: 175256
Ion Ratio Lower Upper
85 100
135 60.0 48.1 72.1





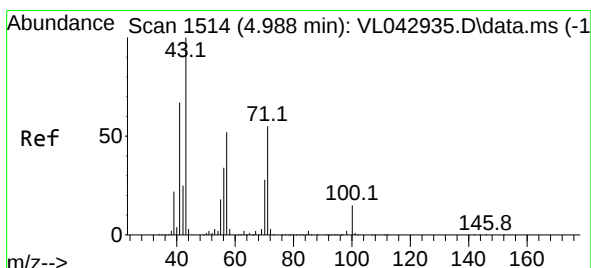
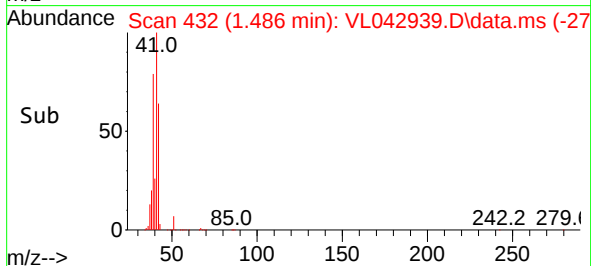
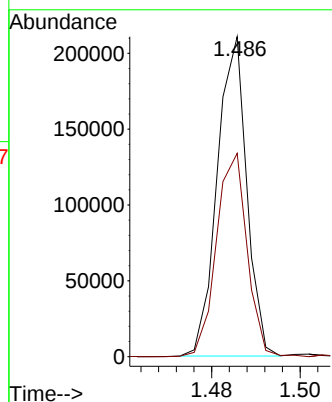
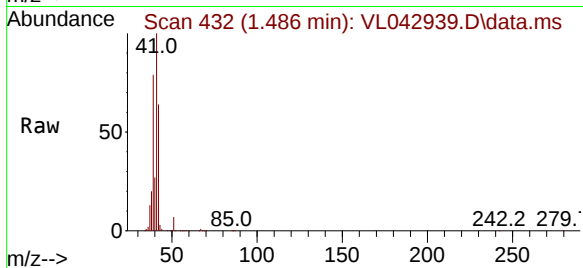
#9
 Propene
 Concen: 11.264 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 97529
 Ion Ratio Lower Upper
 41 100
 42 66.8 55.0 82.4

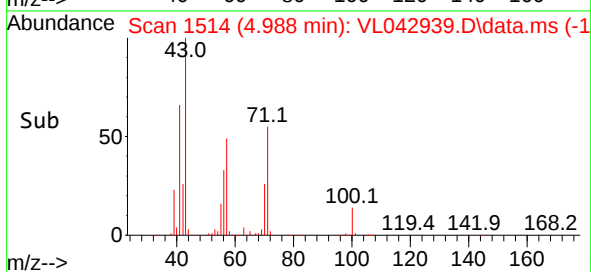
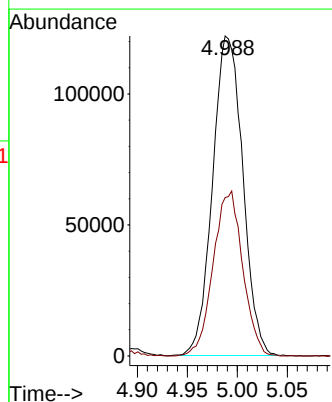
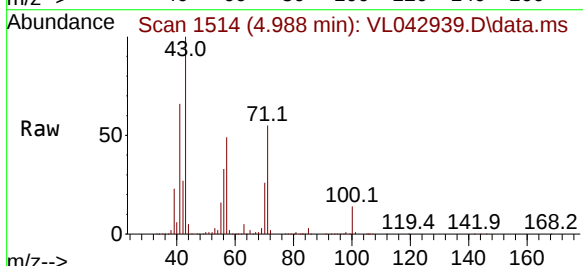
Manual Integrations
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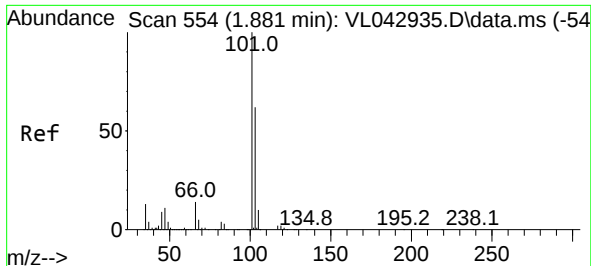
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#10
 Heptane
 Concen: 11.936 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

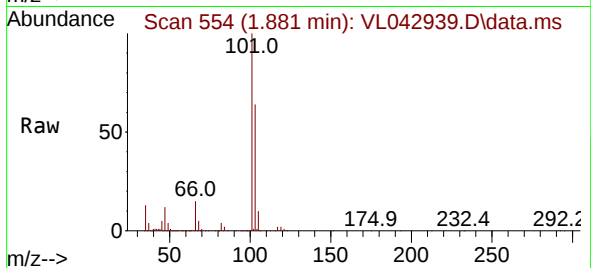
Tgt Ion: 43 Resp: 256082
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 9.551 ppbv
 RT: 1.881 min Scan# 554
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

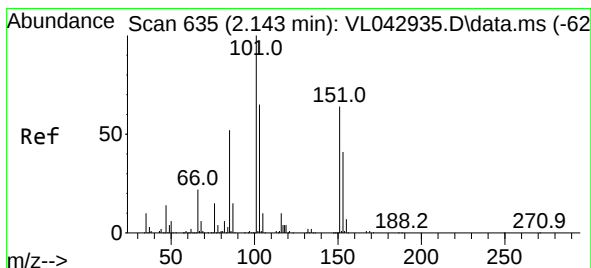
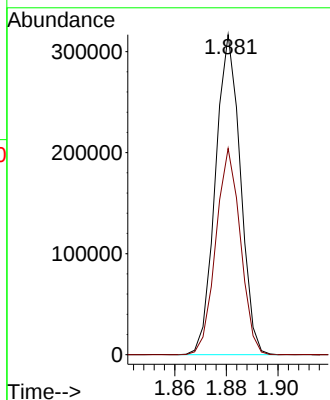
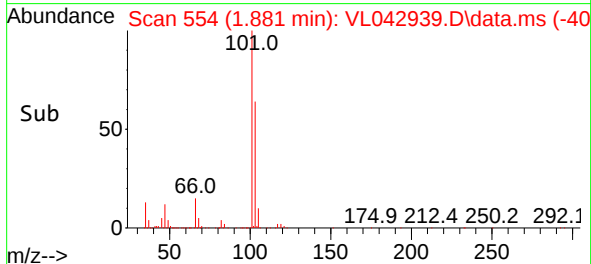
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



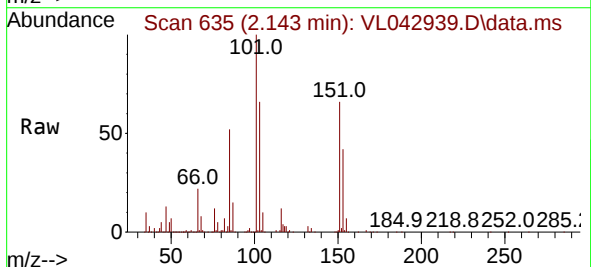
Tgt Ion:101 Resp: 212480
 Ion Ratio Lower Upper
 101 100
 103 64.5 49.6 74.4

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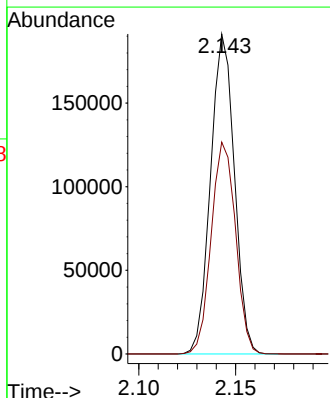
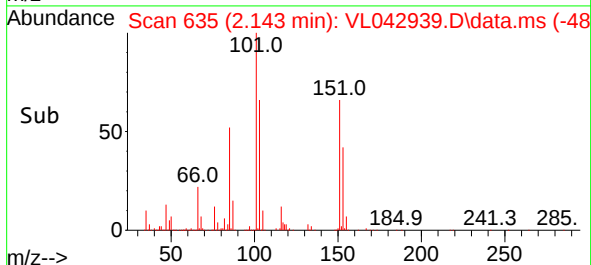
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

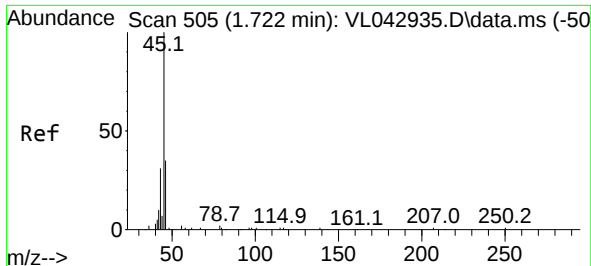


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.428 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38



Tgt Ion:101 Resp: 163856
 Ion Ratio Lower Upper
 101 100
 151 67.6 51.9 77.9





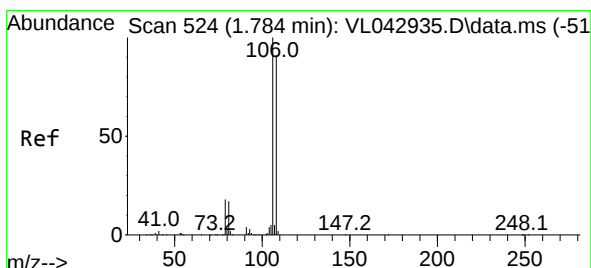
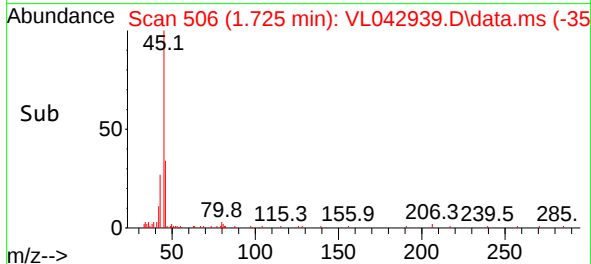
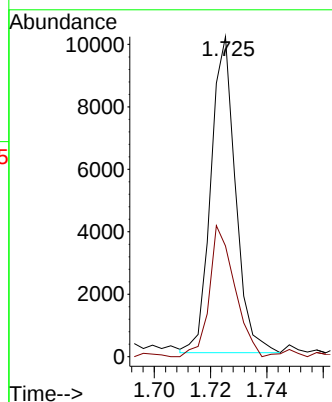
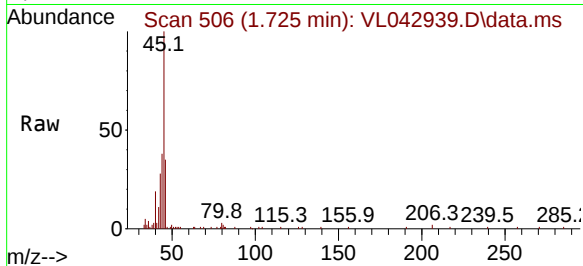
#13
Ethanol
Concen: 6.961 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 6149
Ion Ratio Lower Upper
45 100
46 46.0 16.5 66.1

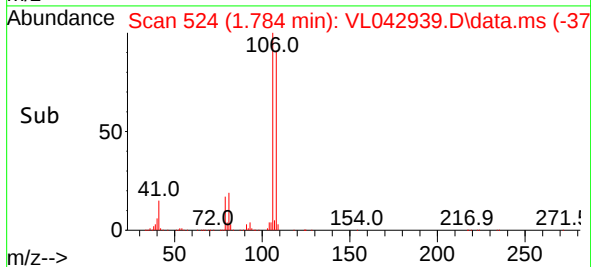
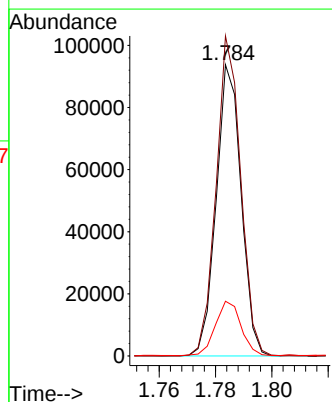
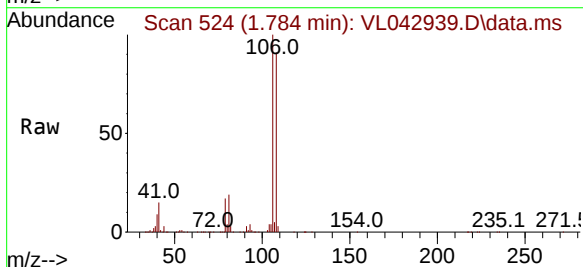
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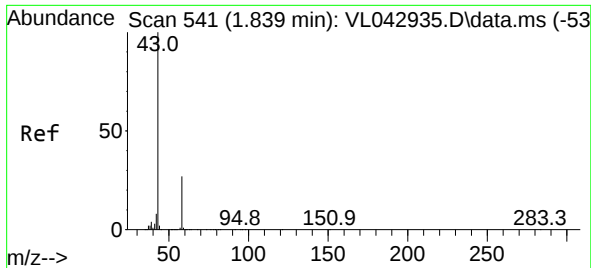
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#14
Bromoethene
Concen: 9.303 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion:108 Resp: 57603
Ion Ratio Lower Upper
108 100
106 108.9 86.0 129.0
79 20.1 17.2 25.8





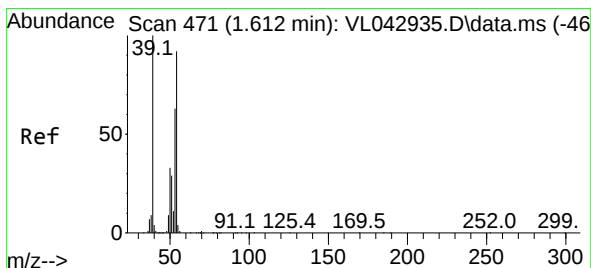
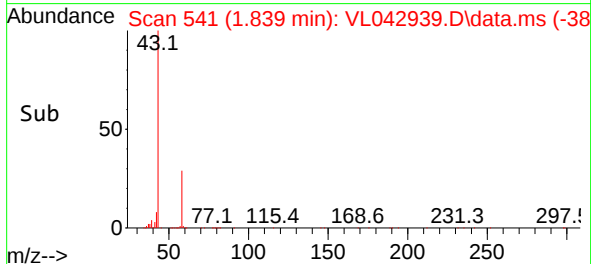
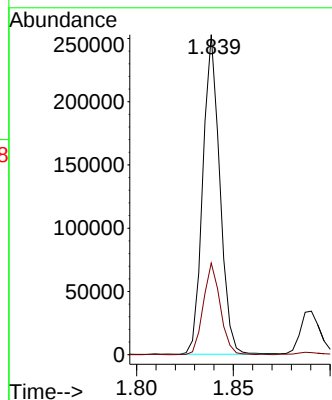
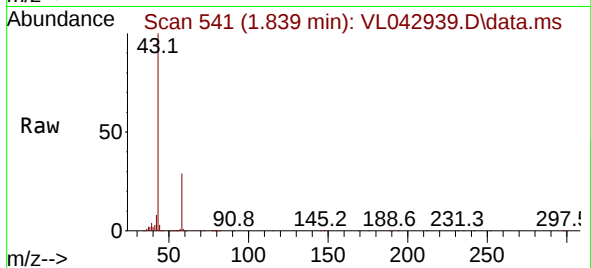
#15
Acetone
Concen: 7.997 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 154852
Ion Ratio Lower Upper
43 100
58 28.6 22.2 33.2

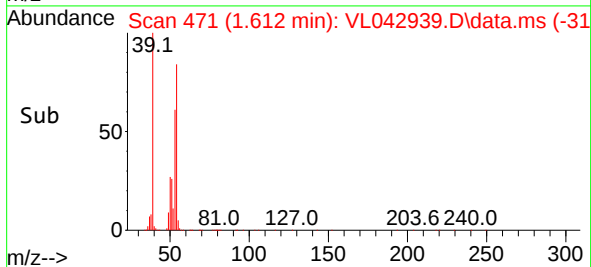
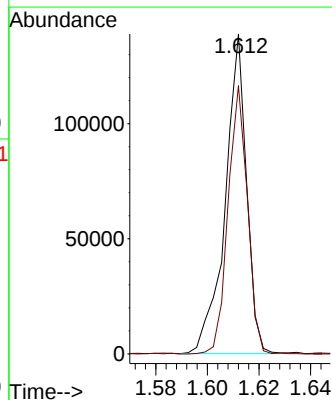
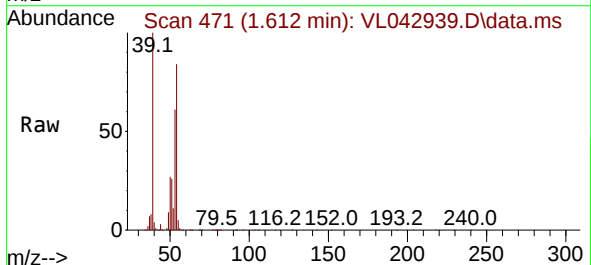
Manual Integrations
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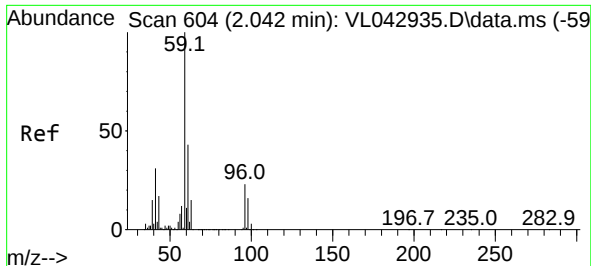
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#16
1,3-Butadiene
Concen: 9.840 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 39 Resp: 79708
Ion Ratio Lower Upper
39 100
54 76.5 62.2 93.4





#17

tert-Butyl alcohol

Concen: 10.116 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 18862

Ion Ratio Lower Upper

59 100

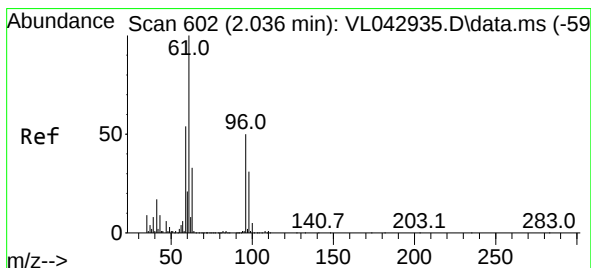
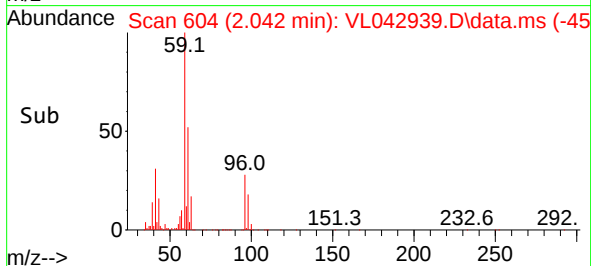
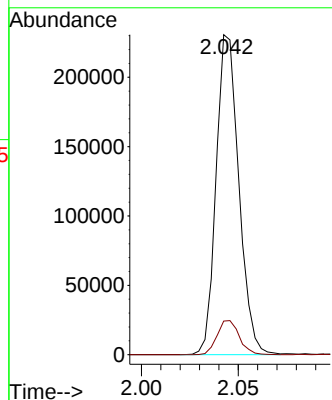
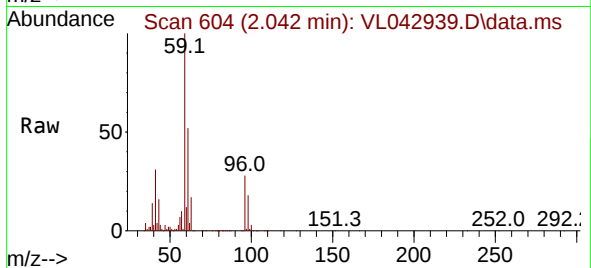
57 10.4 9.0 13.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#18

1,1-Dichloroethene

Concen: 9.708 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

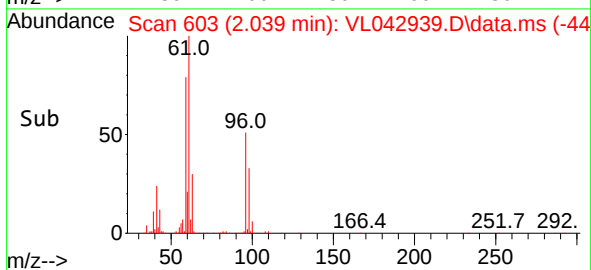
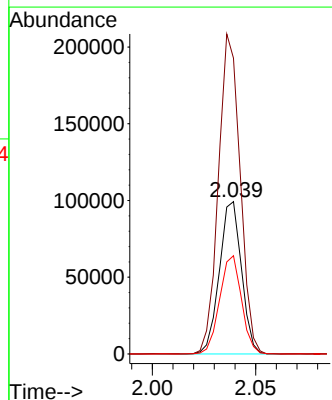
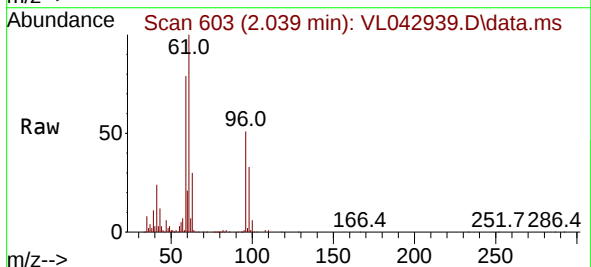
Tgt Ion: 96 Resp: 73857

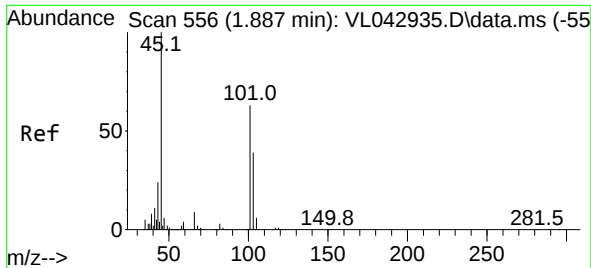
Ion Ratio Lower Upper

96 100

61 194.2 161.1 241.7

98 64.5 50.7 76.1





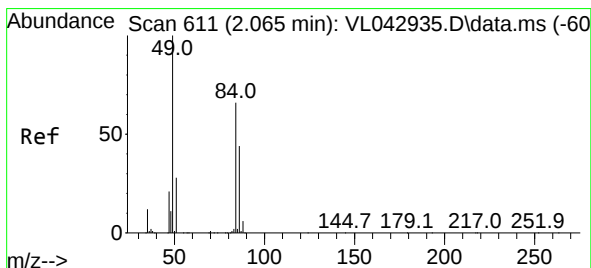
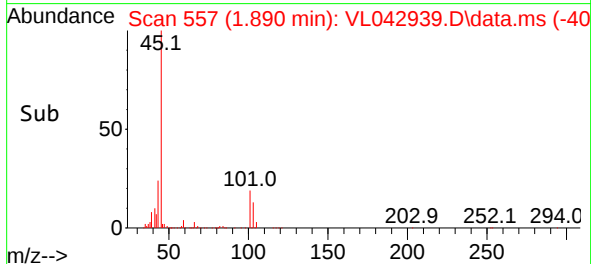
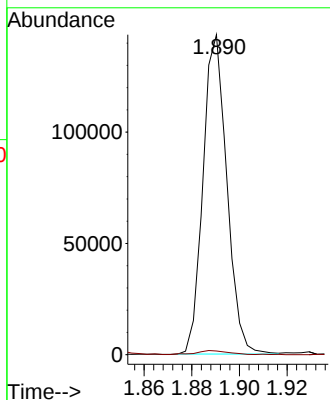
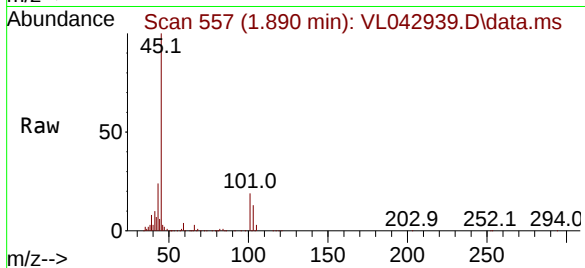
#19
Isopropyl Alcohol
Concen: 9.607 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 99740
Ion Ratio Lower Upper
45 100
58 44.4 2.0 3.0

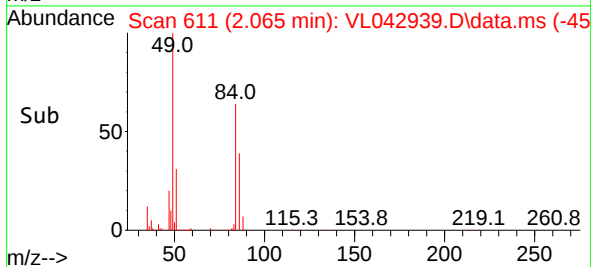
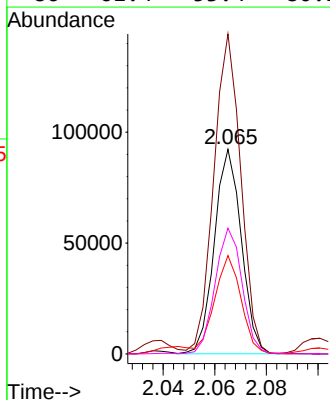
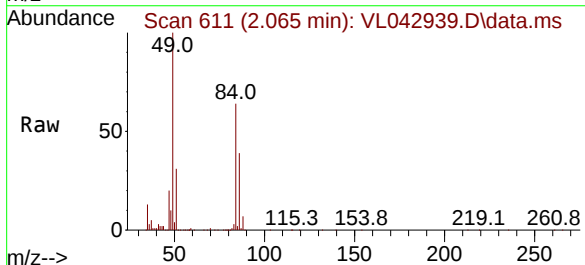
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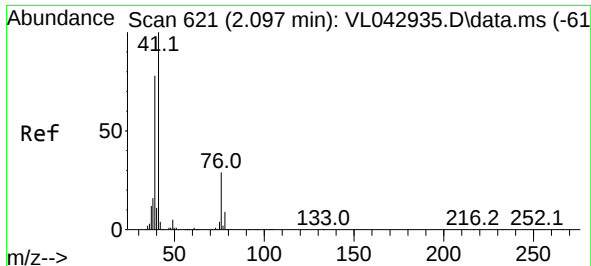
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#20
Methylene Chloride
Concen: 7.941 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 84 Resp: 66946
Ion Ratio Lower Upper
84 100
49 156.1 121.8 182.6
51 47.9 35.6 53.4
86 61.4 53.4 80.2





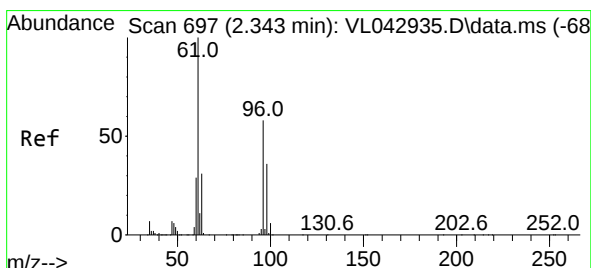
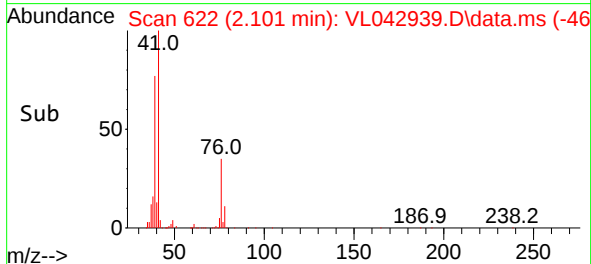
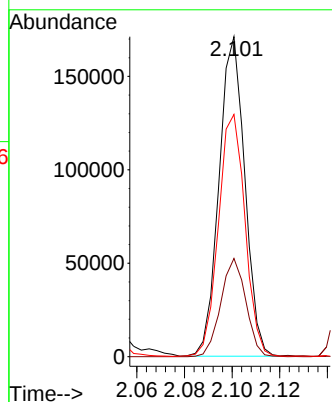
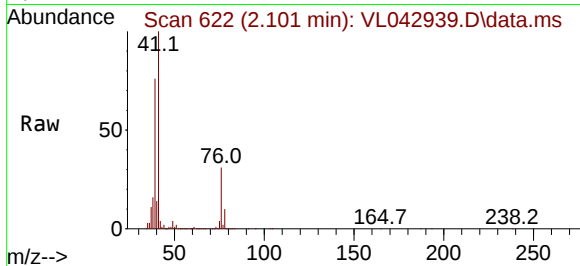
#21
 Allyl Chloride
 Concen: 9.783 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 128419
 Ion Ratio Lower Upper
 41 100
 76 29.9 23.8 35.6
 39 78.6 63.2 94.8

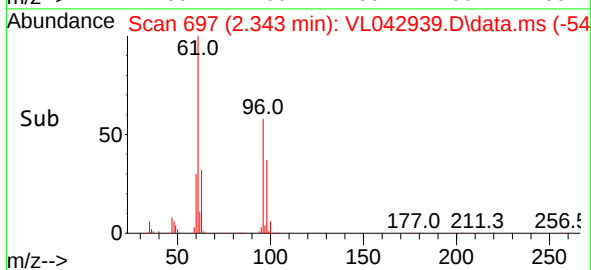
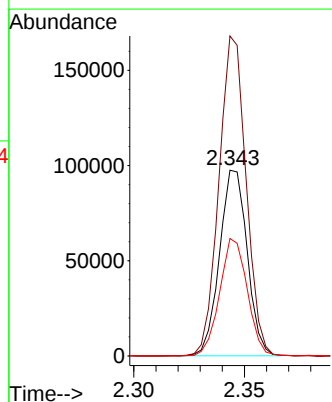
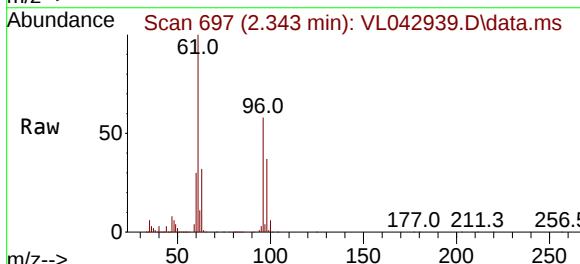
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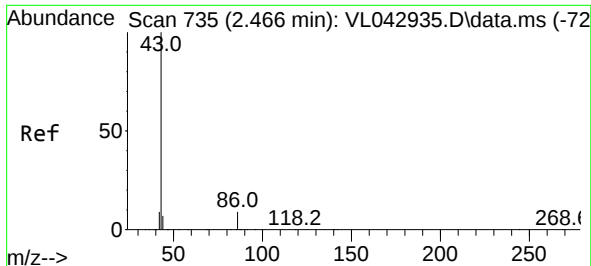
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.842 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

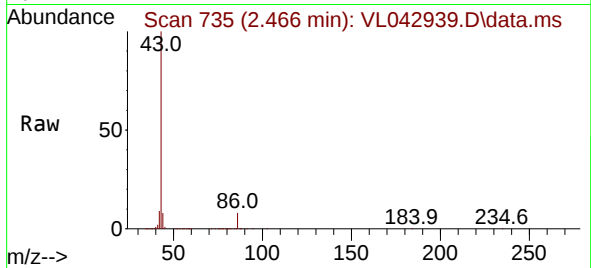
Tgt Ion: 96 Resp: 84863
 Ion Ratio Lower Upper
 96 100
 61 172.2 139.0 208.6
 98 63.3 49.4 74.2





#23
 Vinyl Acetate
 Concen: 10.931 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

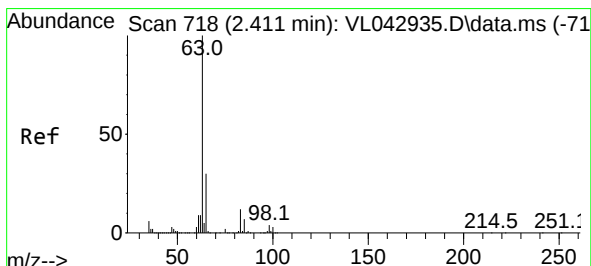
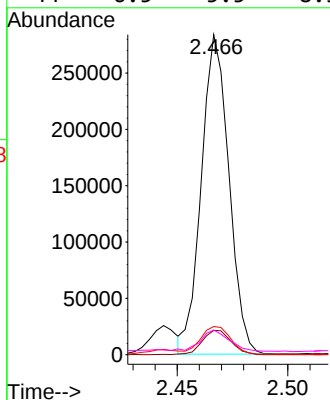
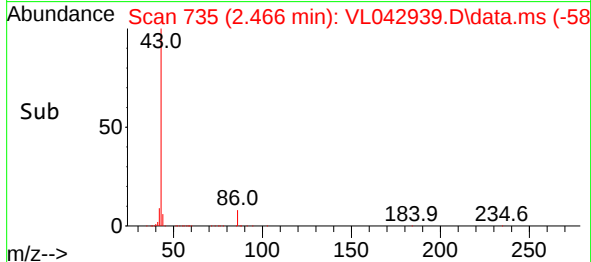
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



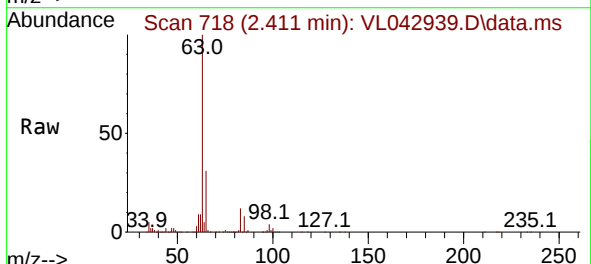
Tgt Ion: 43 Resp: 245936
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.4 9.6
 42 8.4 7.5 11.3
 44 6.5 5.5 8.3

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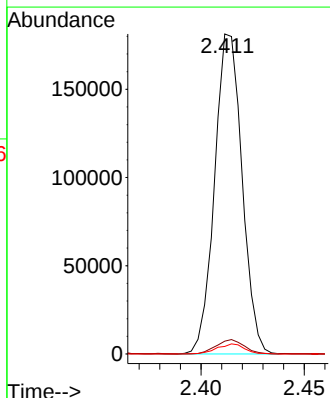
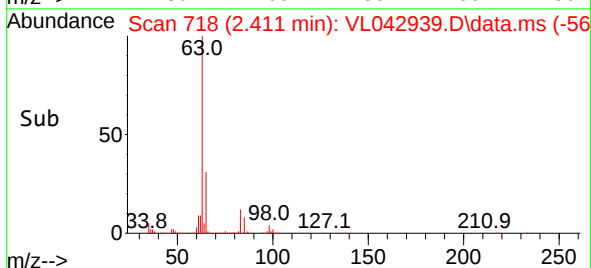
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

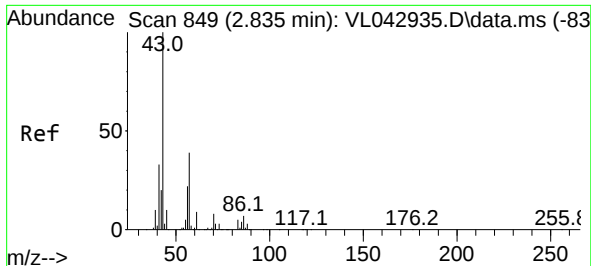


#24
 1,1-Dichloroethane
 Concen: 9.854 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38



Tgt Ion: 63 Resp: 167836
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.2 6.6
 100 2.4 1.7 5.1





#25

Ethyl Acetate

Concen: 11.113 ppbv

RT: 2.842 min Scan# 849

Delta R.T. 0.006 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 459524

Ion Ratio Lower Upper

43 100

45 10.0 7.8 11.8

61 9.2 7.2 10.8

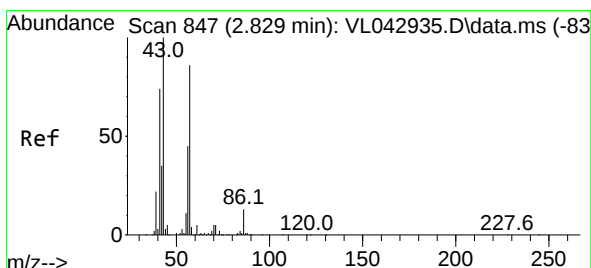
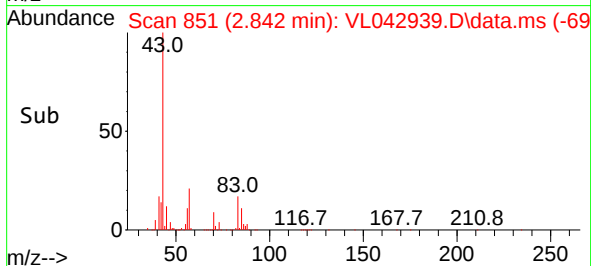
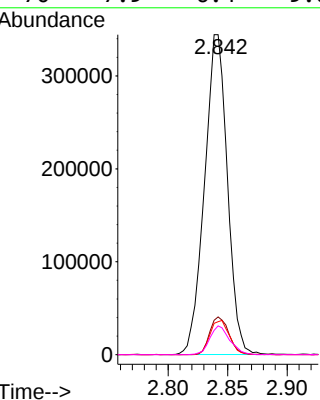
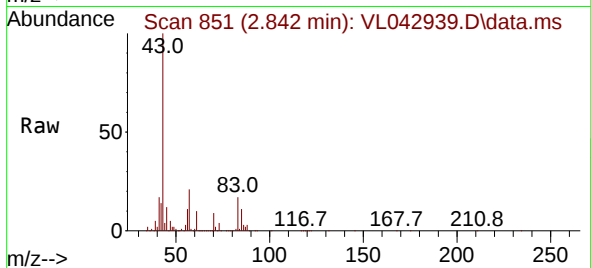
70 7.9 6.4 9.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#26

Hexane

Concen: 11.562 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion: 57 Resp: 205167

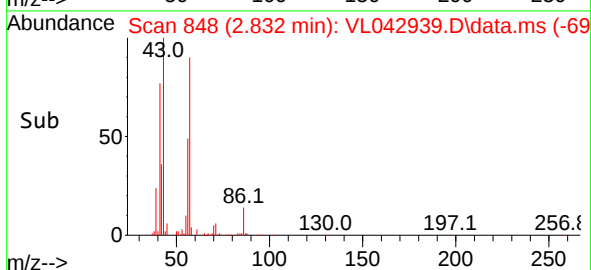
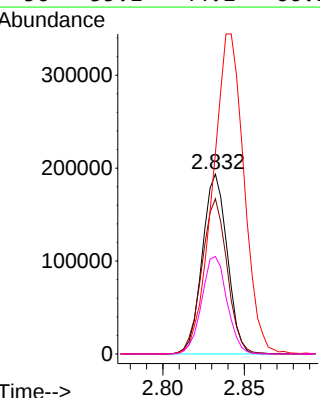
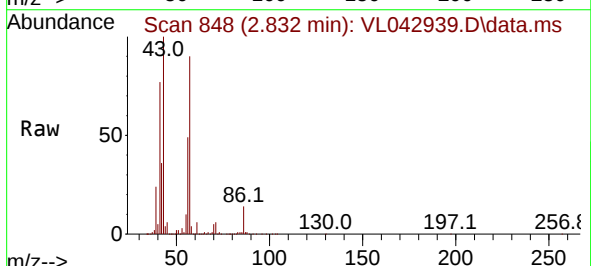
Ion Ratio Lower Upper

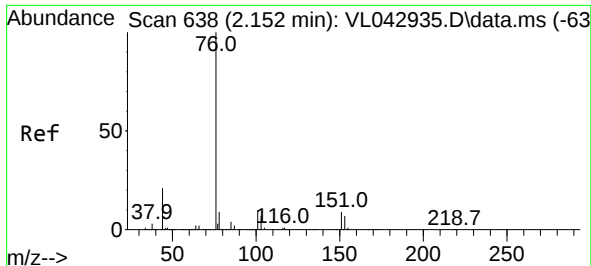
57 100

41 88.6 71.3 106.9

43 224.2 183.9 275.9

56 55.1 44.1 66.1





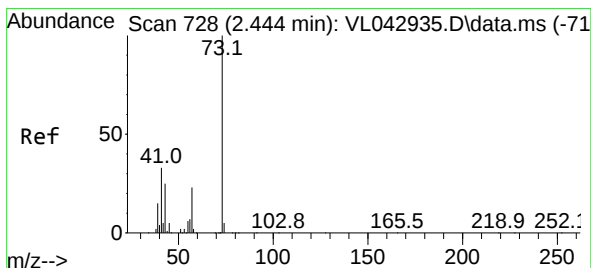
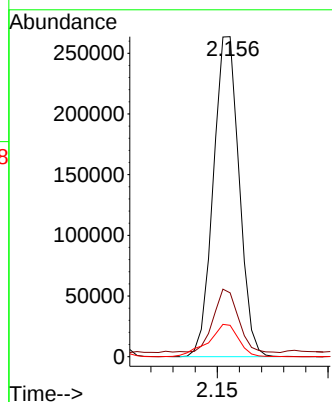
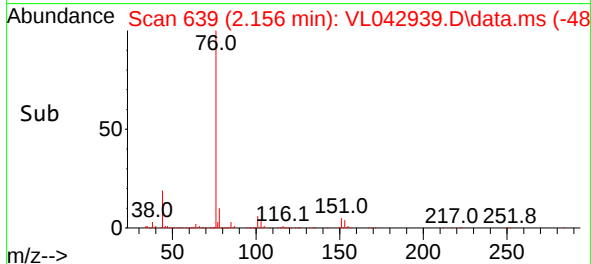
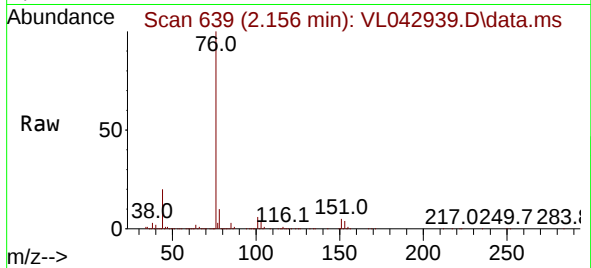
#27
Carbon Disulfide
Concen: 9.762 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 21365
Ion Ratio Lower Upper
76 100
44 20.1 15.4 23.0
78 11.8 9.1 13.7

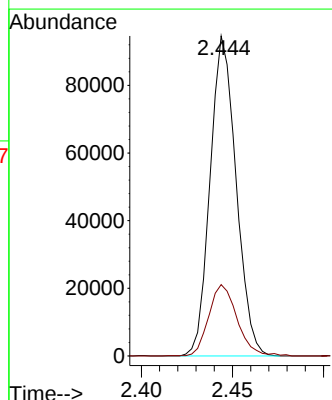
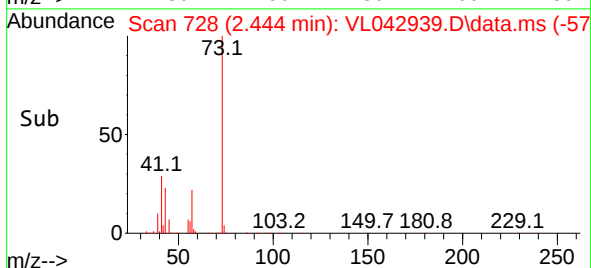
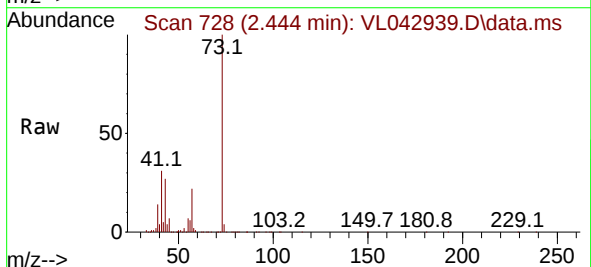
Manual Integrations
APPROVED

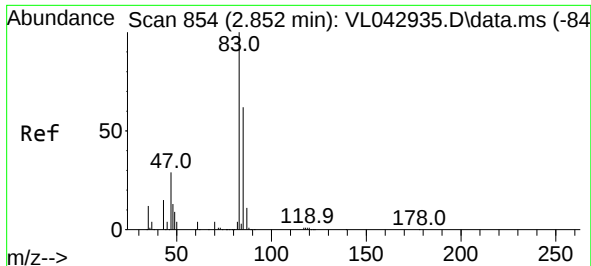
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#28
Methyl tert-Butyl Ether
Concen: 9.628 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 73 Resp: 93883
Ion Ratio Lower Upper
73 100
57 24.4 18.6 28.0





#29

Chloroform

Concen: 10.322 ppbv

RT: 2.855 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL042939.D

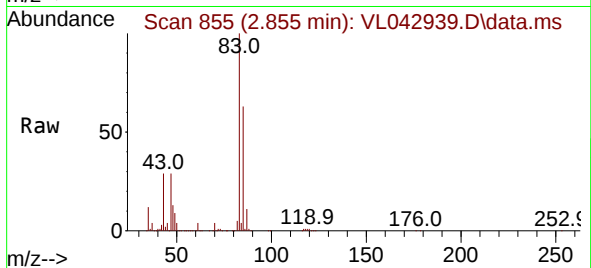
Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 83 Resp: 299404

Ion Ratio Lower Upper

83 100

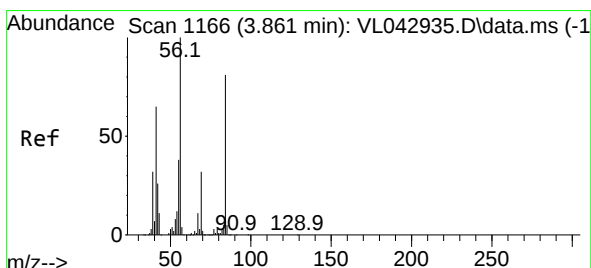
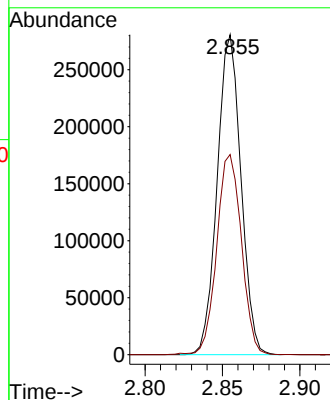
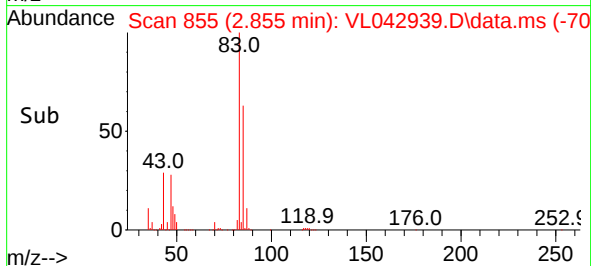
85 62.5 49.7 74.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#30

Cyclohexane

Concen: 12.518 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

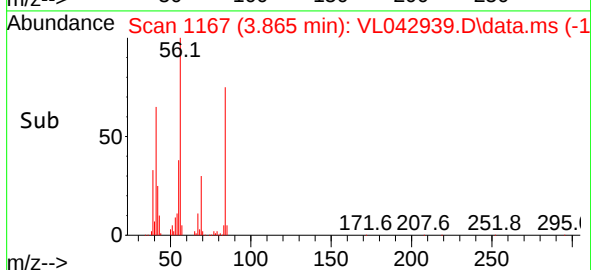
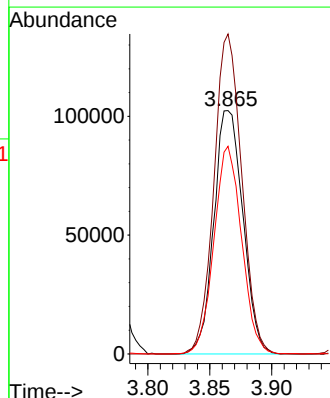
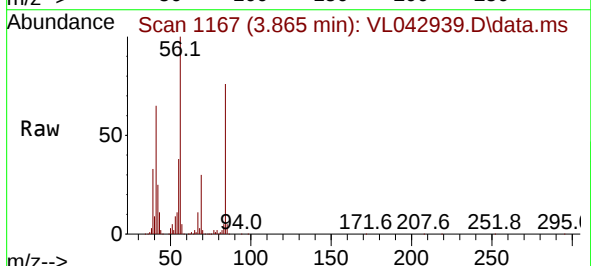
Tgt Ion: 84 Resp: 167350

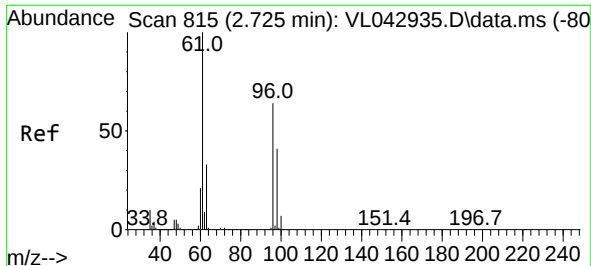
Ion Ratio Lower Upper

84 100

56 126.1 100.6 150.8

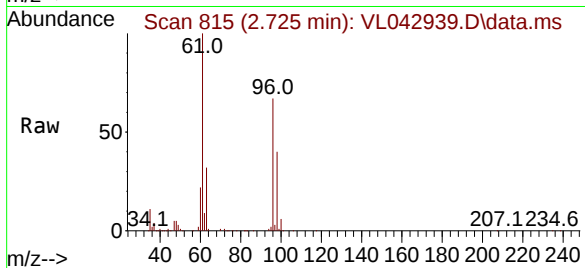
41 81.5 65.4 98.0





#31
 cis-1,2-Dichloroethene
 Concen: 11.254 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

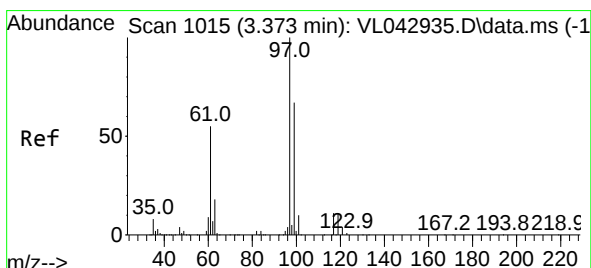
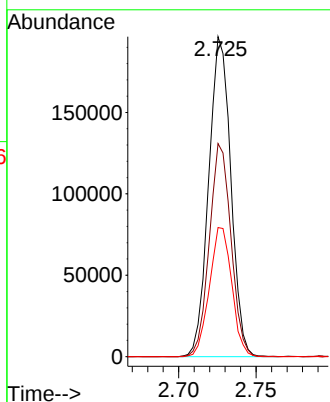
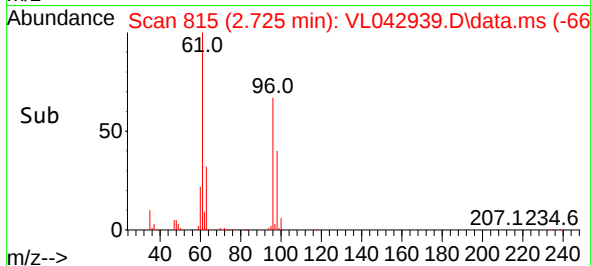
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



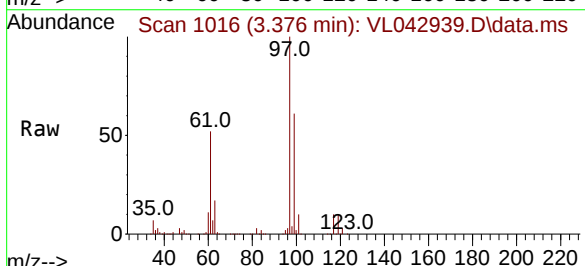
Tgt Ion: 61 Resp: 194977
 Ion Ratio Lower Upper
 61 100
 96 66.6 51.4 77.2
 98 40.3 32.8 49.2

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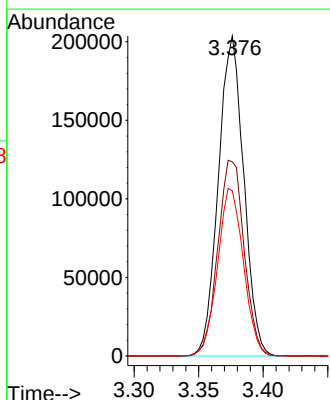
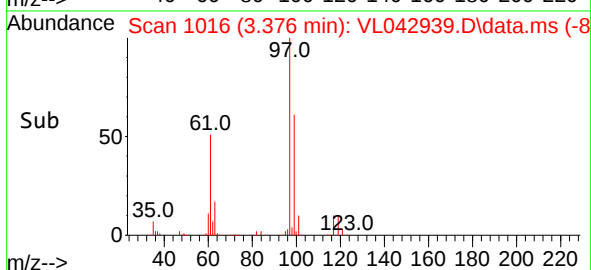
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

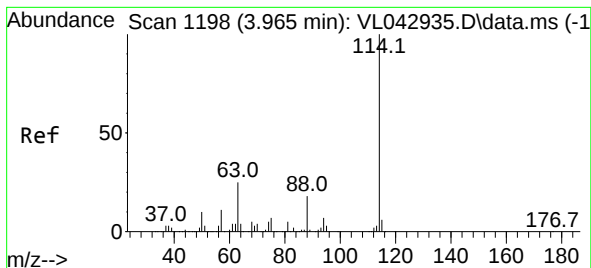


#32
 1,1,1-Trichloroethane
 Concen: 10.257 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38



Tgt Ion: 97 Resp: 278380
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 53.5 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 416190

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

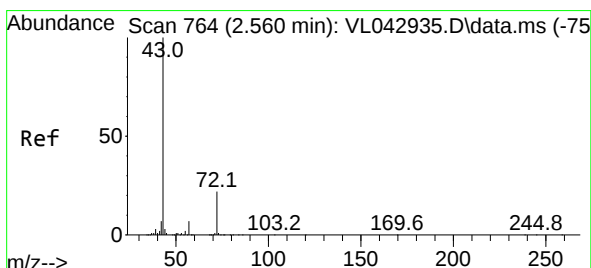
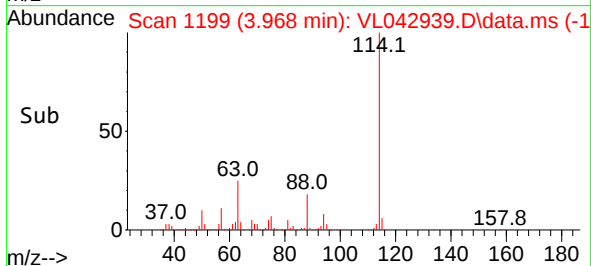
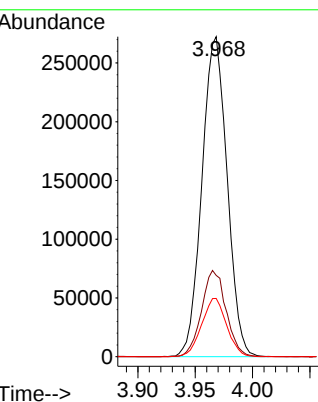
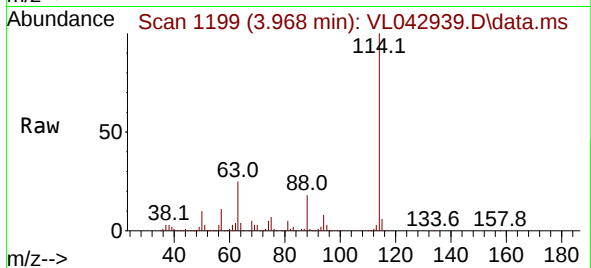
88 18.1 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#34

2-Butanone

Concen: 10.777 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.000 min

Lab File: VL042939.D

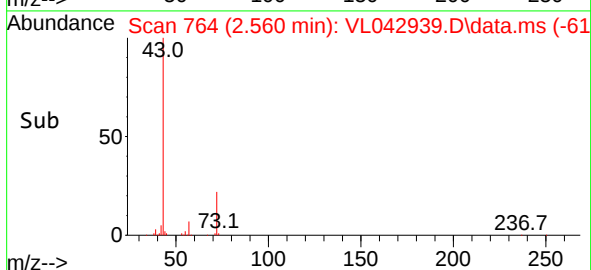
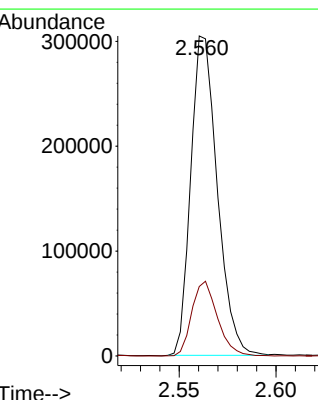
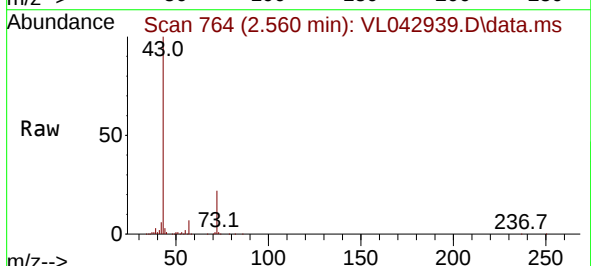
Acq: 18 Sep 2025 09:38

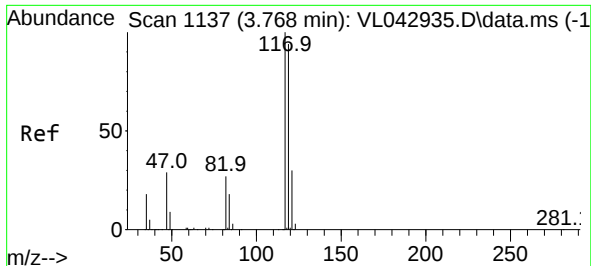
Tgt Ion: 43 Resp: 290768

Ion Ratio Lower Upper

43 100

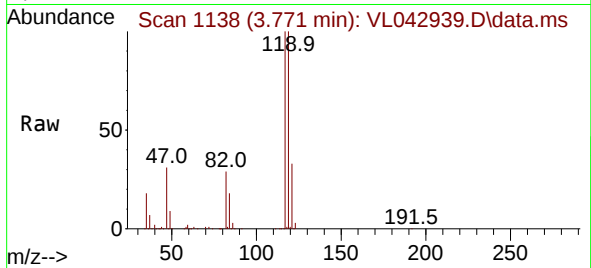
72 22.6 17.2 25.8





#35
Carbon Tetrachloride
Concen: 9.646 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

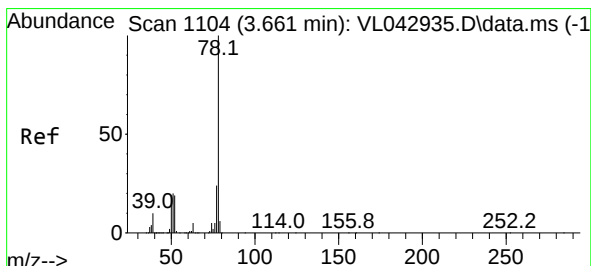
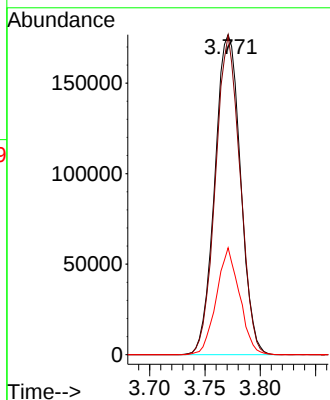
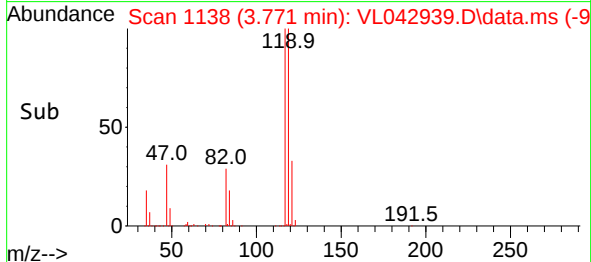
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 285378
Ion Ratio Lower Upper
117 100
119 99.7 74.9 112.3
121 33.4 24.0 36.0

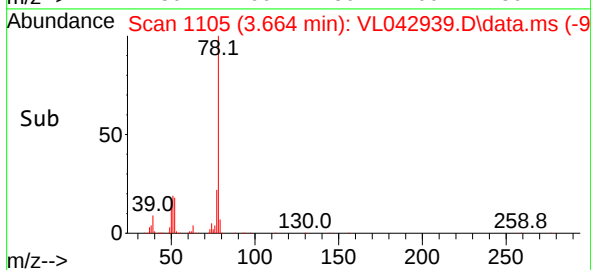
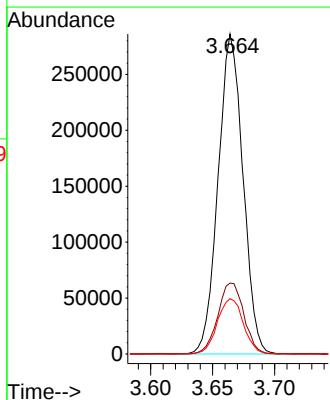
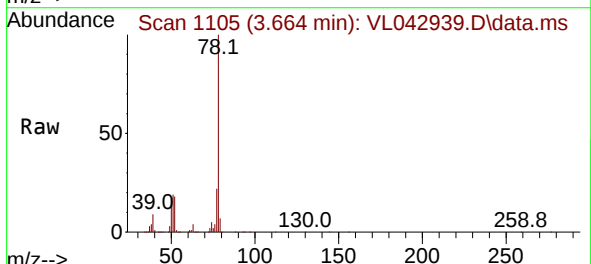
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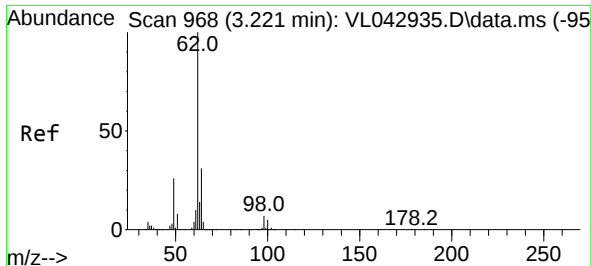
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#36
Benzene
Concen: 10.998 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 78 Resp: 399269
Ion Ratio Lower Upper
78 100
77 22.1 19.2 28.8
50 17.3 14.8 22.2





#37

1,2-Dichloroethane

Concen: 10.330 ppbv

RT: 3.224 min Scan# 968

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 224589

Ion Ratio Lower Upper

62 100

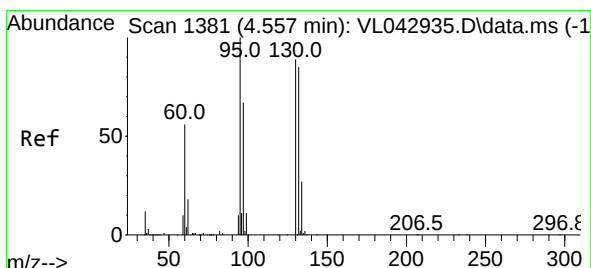
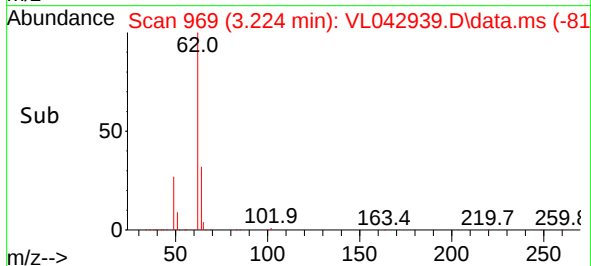
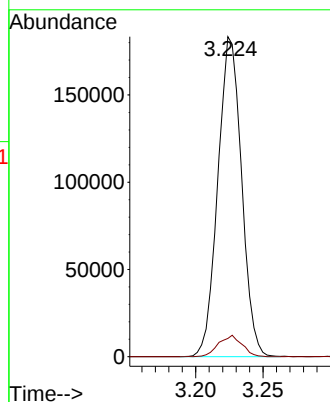
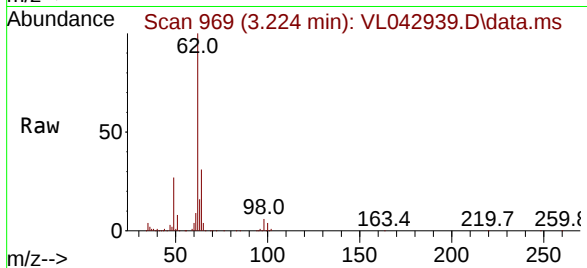
98 6.6 5.5 8.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#38

Trichloroethene

Concen: 10.227 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion:130 Resp: 168064

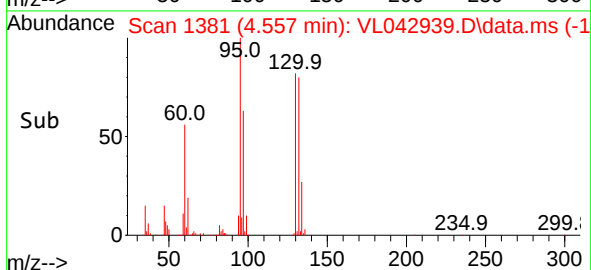
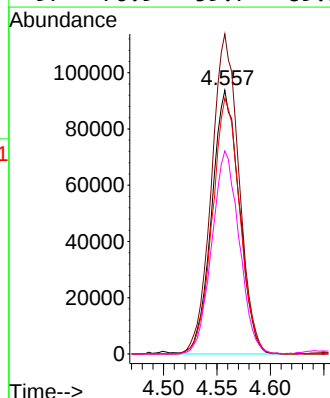
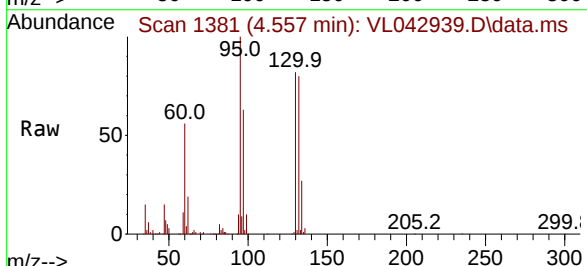
Ion Ratio Lower Upper

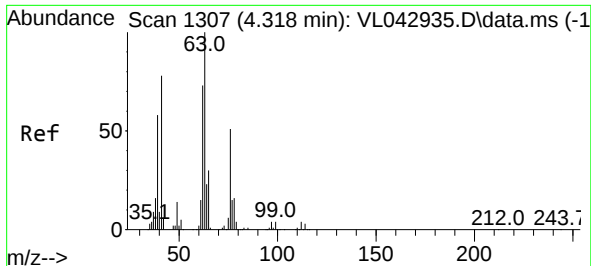
130 100

95 121.3 89.8 134.6

132 96.9 76.3 114.5

97 76.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 10.348 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 151824

Ion Ratio Lower Upper

63 100

41 74.5 62.7 94.1

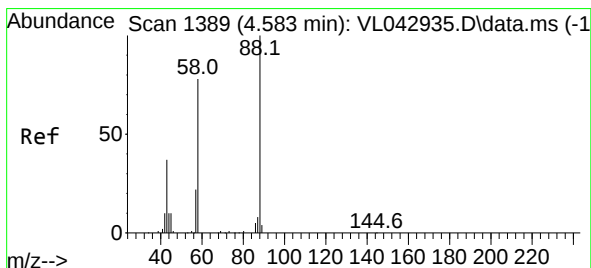
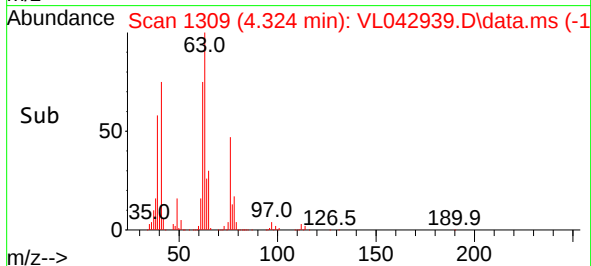
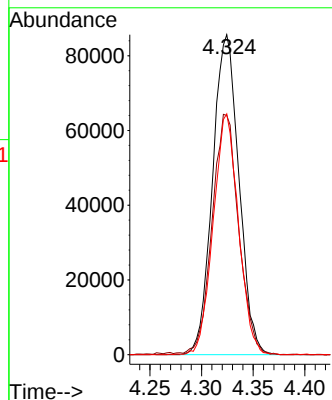
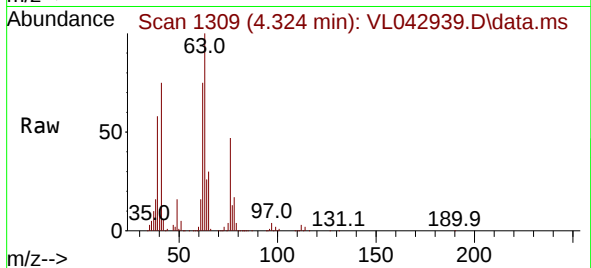
62 75.3 58.4 87.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#40

1,4-Dioxane

Concen: 10.678 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.010 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion: 88 Resp: 55603

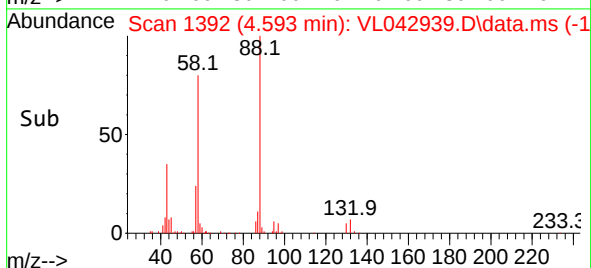
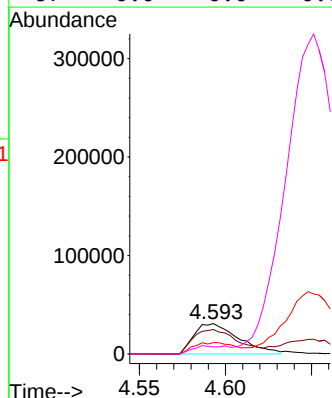
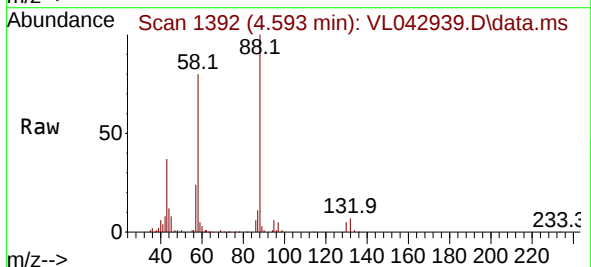
Ion Ratio Lower Upper

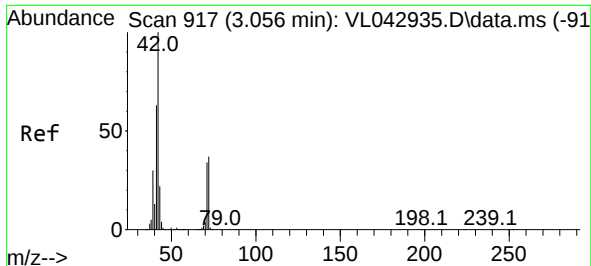
88 100

58 80.5 61.5 92.3

43 36.6 28.3 42.5

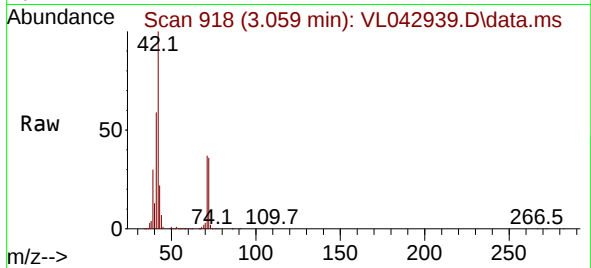
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 12.000 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

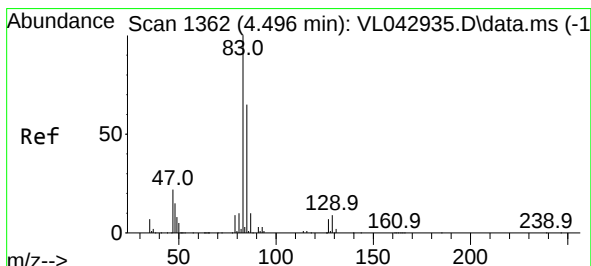
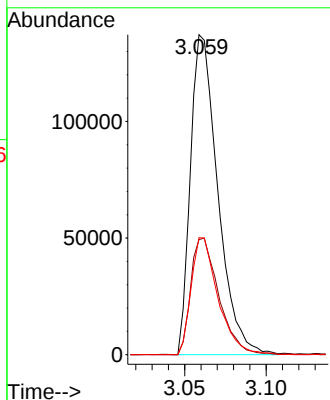
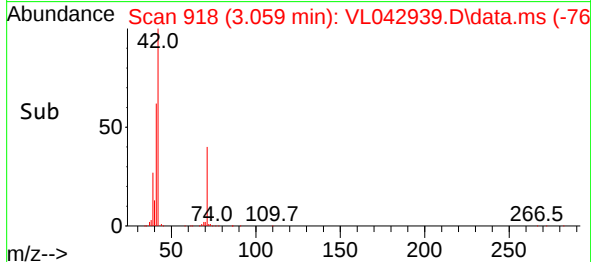
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 160220
Ion Ratio Lower Upper
42 100
72 37.4 30.4 45.6
71 36.1 28.3 42.5

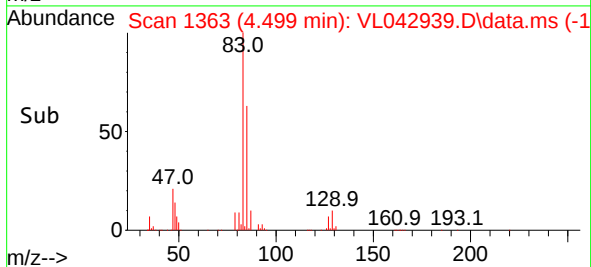
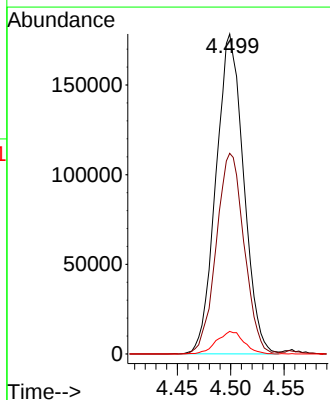
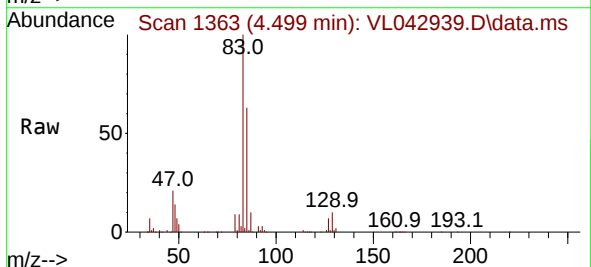
Manual Integrations
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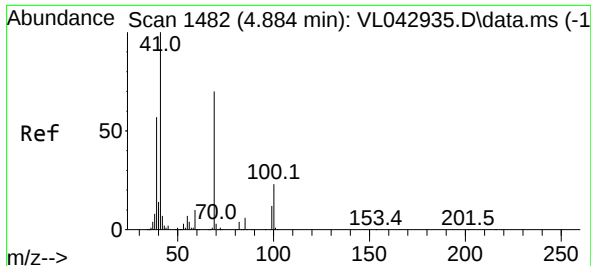
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#42
Bromodichloromethane
Concen: 10.284 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 83 Resp: 320875
Ion Ratio Lower Upper
83 100
85 62.7 52.1 78.1
127 7.1 6.0 9.0





#43

Methyl Methacrylate

Concen: 12.245 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 148839

Ion Ratio Lower Upper

69 100

41 147.2 118.6 178.0

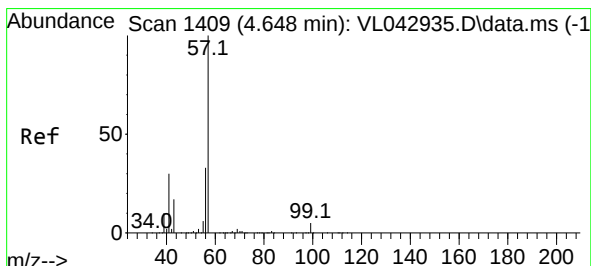
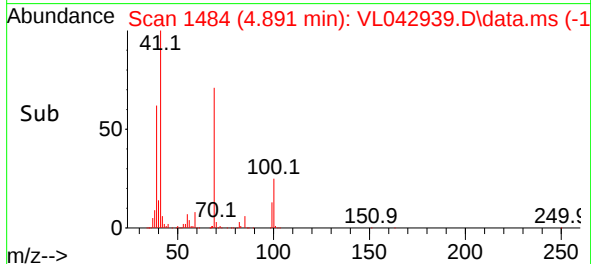
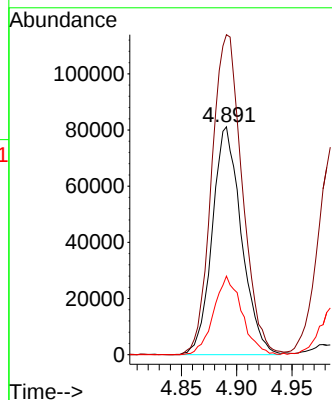
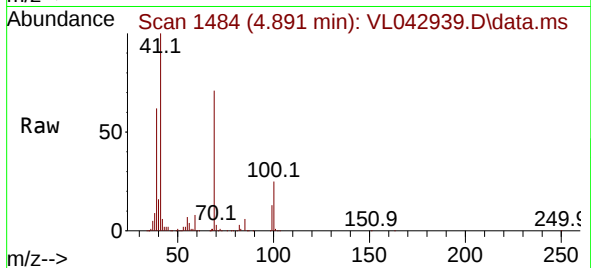
100 33.5 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#44

2,2,4-Trimethylpentane

Concen: 11.472 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

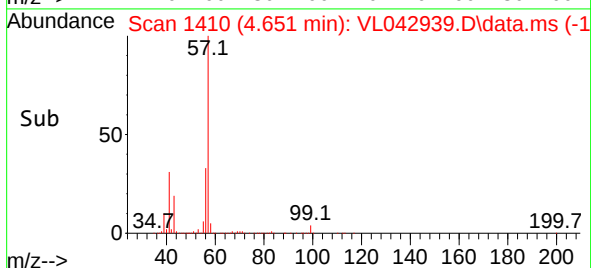
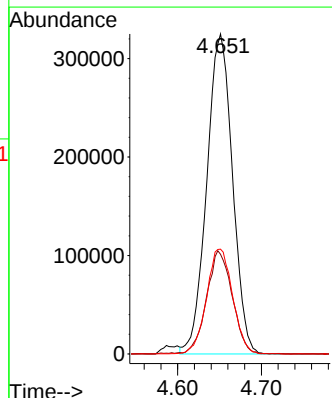
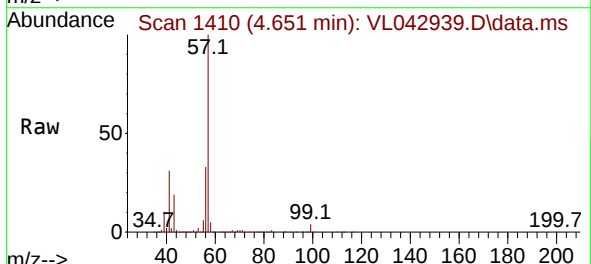
Tgt Ion: 57 Resp: 694671

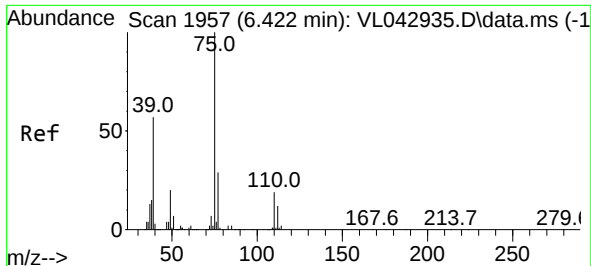
Ion Ratio Lower Upper

57 100

41 32.4 25.8 38.6

56 33.2 26.2 39.4





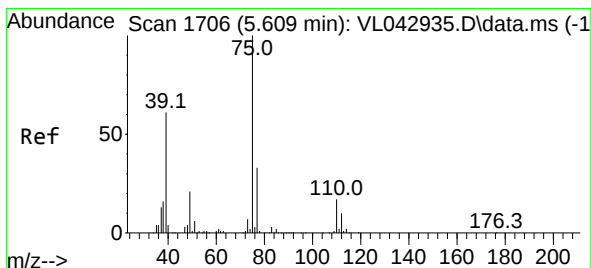
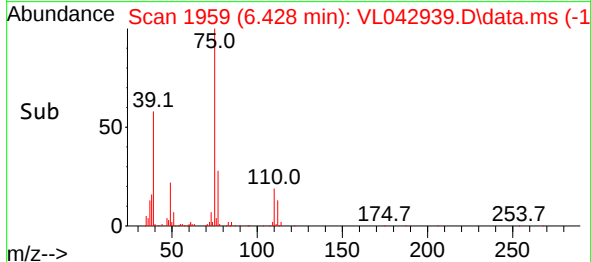
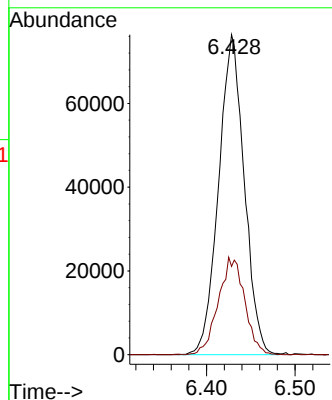
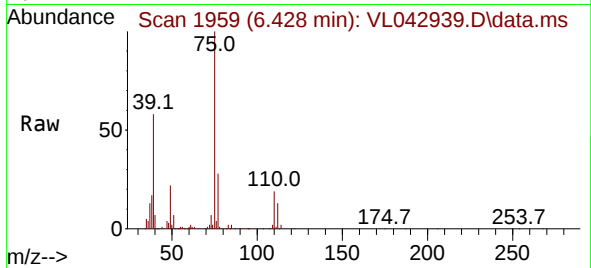
#45
 t-1,3-Dichloropropene
 Concen: 11.989 ppbv
 RT: 6.428 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 75 Resp: 153654
 Ion Ratio Lower Upper
 75 100
 77 27.6 23.5 35.3

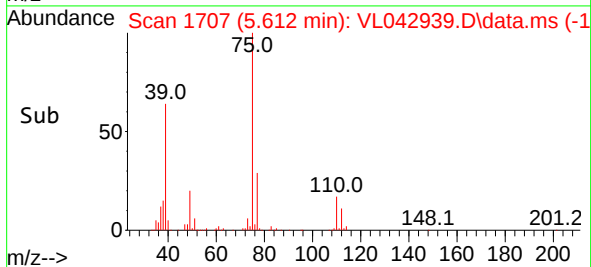
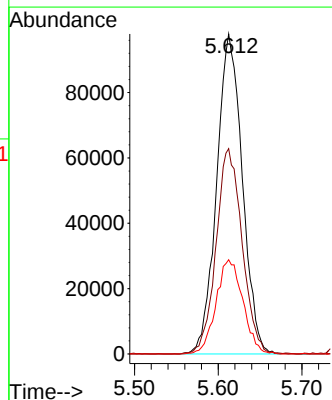
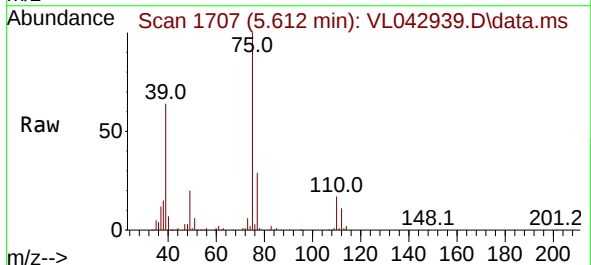
Manual Integrations
 APPROVED

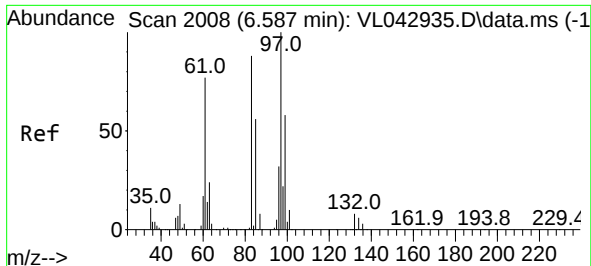
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.808 ppbv
 RT: 5.612 min Scan# 1707
 Delta R.T. 0.003 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

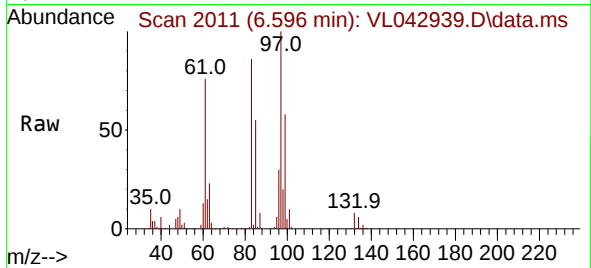
Tgt Ion: 75 Resp: 208635
 Ion Ratio Lower Upper
 75 100
 39 64.2 49.0 73.4
 77 29.5 26.2 39.2





#47
1,1,2-Trichloroethane
Concen: 10.503 ppbv
RT: 6.596 min Scan# 2008
Delta R.T. 0.010 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

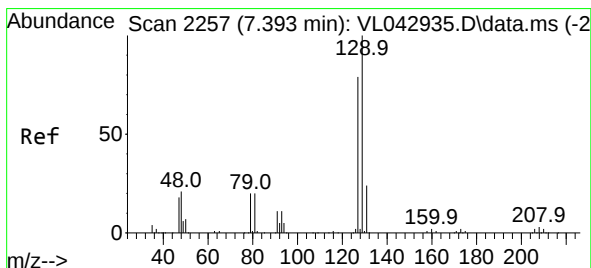
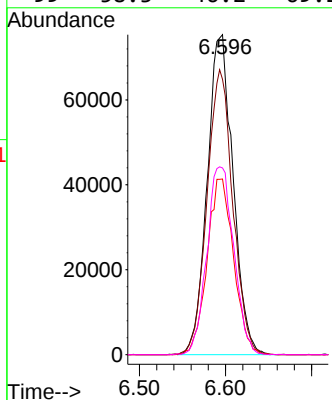
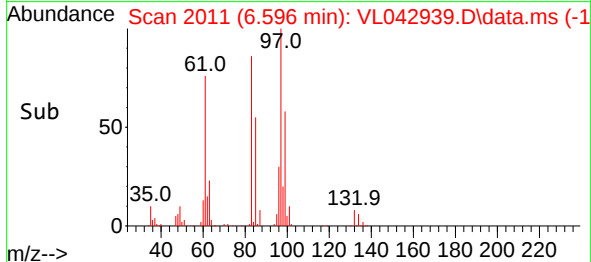
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 157128
Ion Ratio Lower Upper
97 100
83 86.1 70.6 106.0
85 54.9 44.9 67.3
99 58.3 46.2 69.2

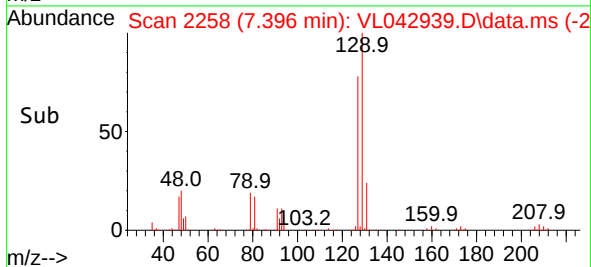
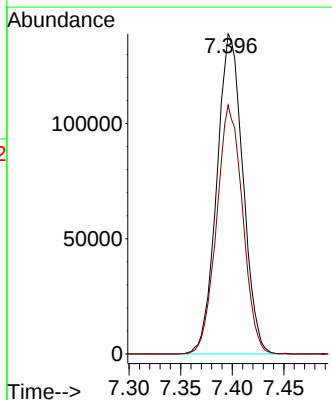
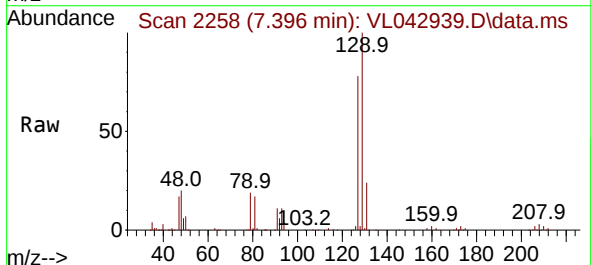
Manual Integrations
APPROVED

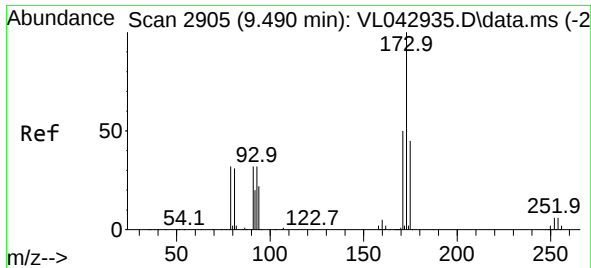
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#48
Dibromochloromethane
Concen: 10.426 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

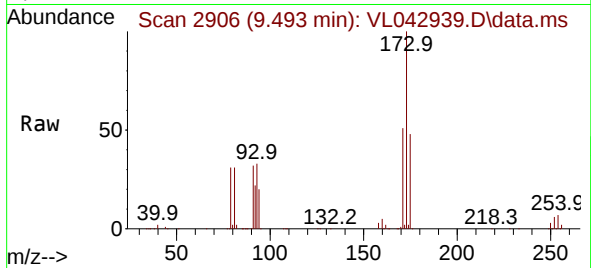
Tgt Ion:129 Resp: 244295
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3





#49
Bromoform
Concen: 10.728 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

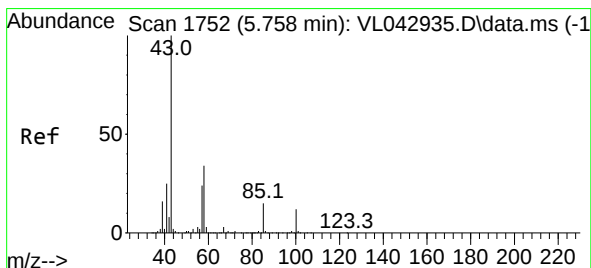
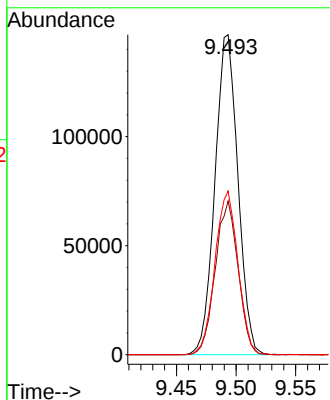
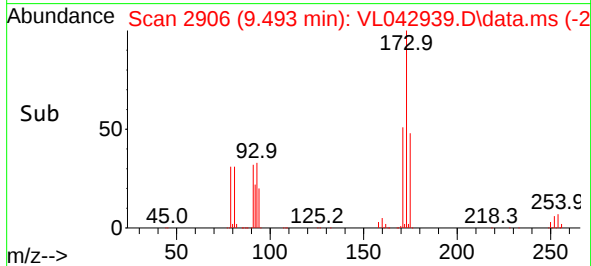
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:173 Resp: 19618
Ion Ratio Lower Upper
173 100
175 47.7 38.6 58.0
171 51.3 41.7 62.5

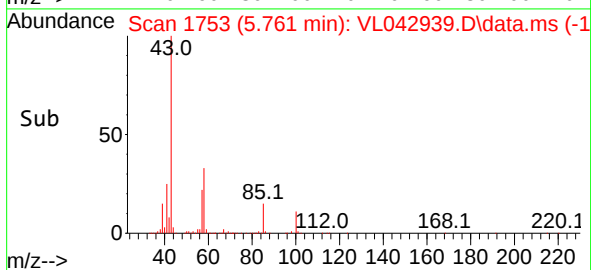
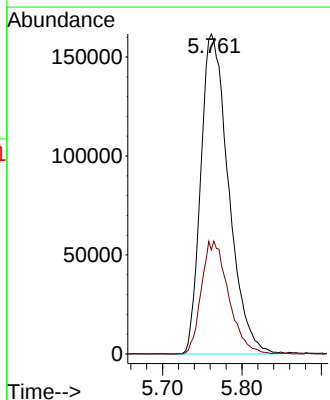
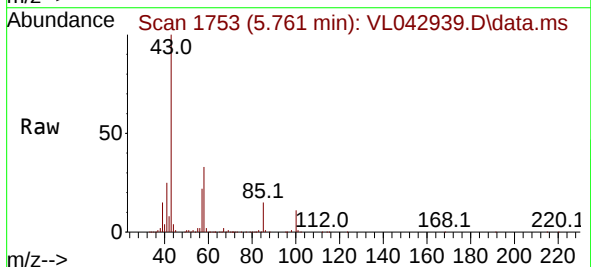
Manual Integrations
APPROVED

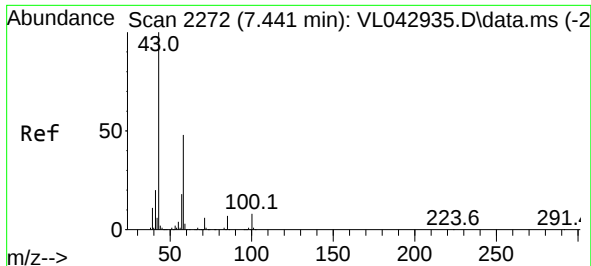
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#50
4-Methyl-2-Pentanone
Concen: 12.175 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

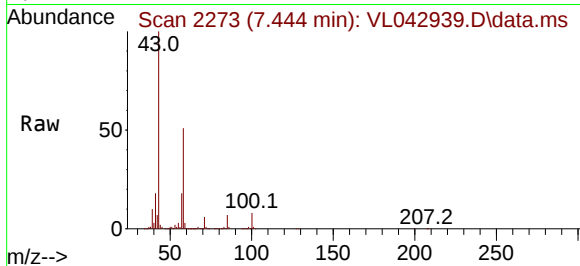
Tgt Ion: 43 Resp: 392734
Ion Ratio Lower Upper
43 100
58 34.6 27.5 41.3





#51
2-Hexanone
Concen: 12.811 ppbv
RT: 7.444 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

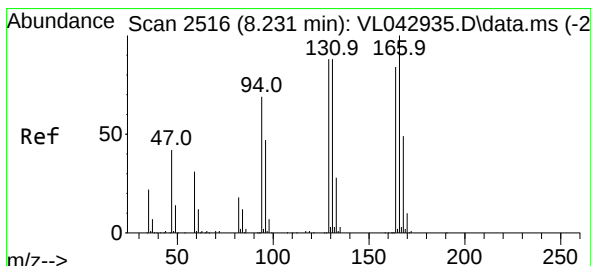
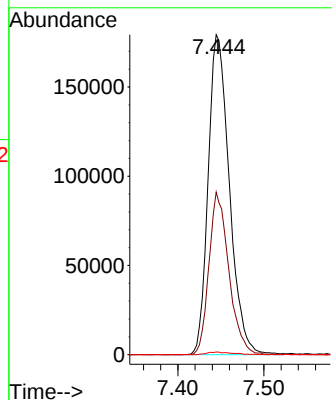
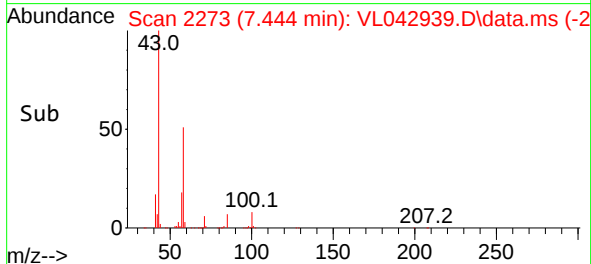
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



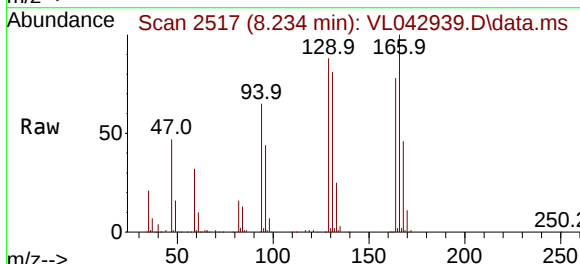
Tgt Ion: 43 Resp: 306892
Ion Ratio Lower Upper
43 100
58 47.7 37.9 56.9
98 1.0 0.7 1.1

Manual Integrations
APPROVED

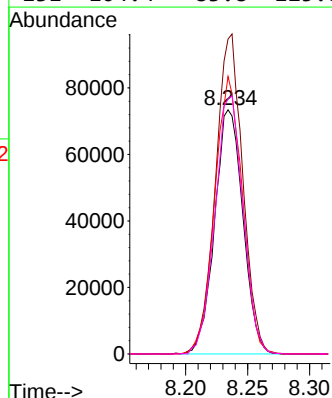
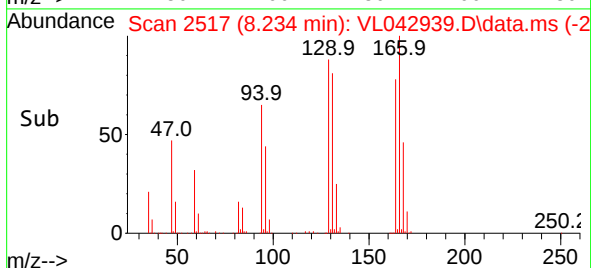
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

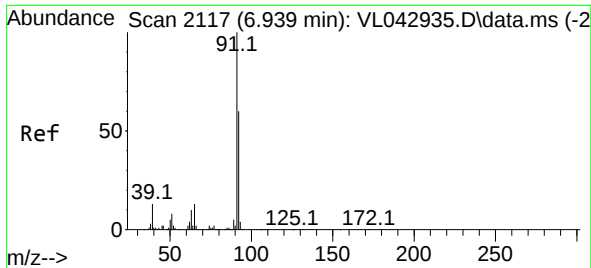


#52
Tetrachloroethene
Concen: 10.435 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38



Tgt Ion:164 Resp: 116819
Ion Ratio Lower Upper
164 100
166 128.9 95.4 143.0
129 113.6 84.0 126.0
131 104.4 83.8 125.8





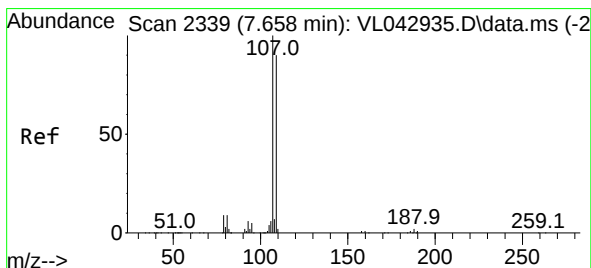
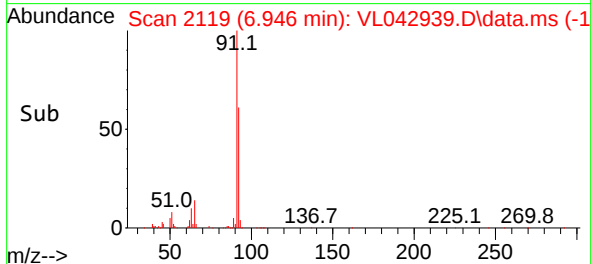
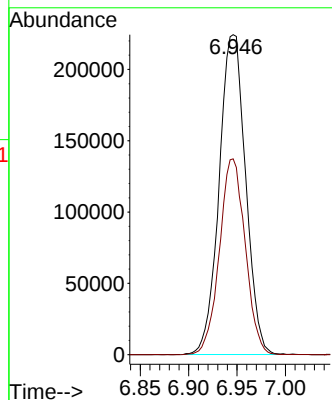
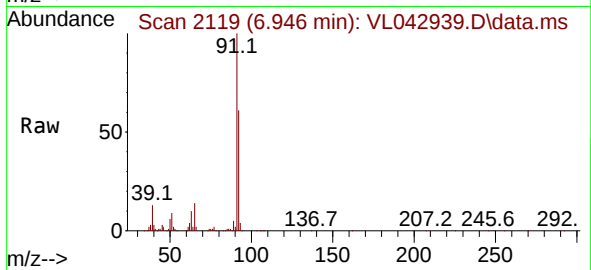
#53
Toluene
Concen: 12.613 ppbv
RT: 6.946 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 426980
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.2

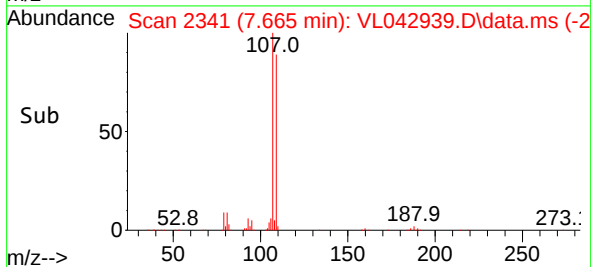
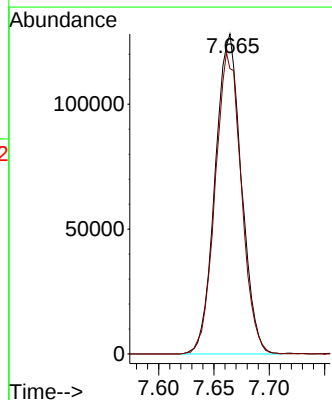
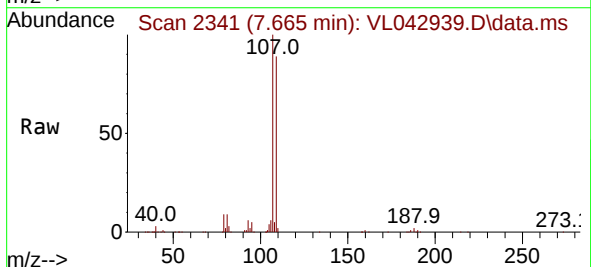
Manual Integrations
APPROVED

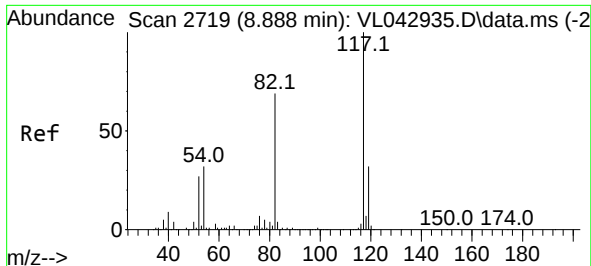
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#54
1,2-Dibromoethane
Concen: 10.975 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.006 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

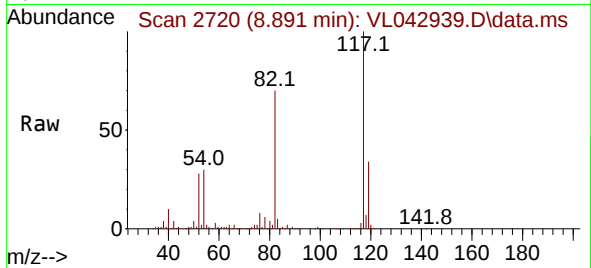
Tgt Ion:107 Resp: 211227
Ion Ratio Lower Upper
107 100
109 89.2 71.8 107.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

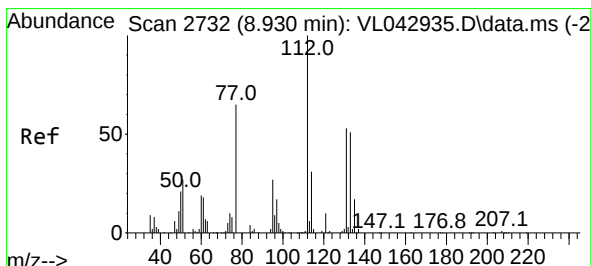
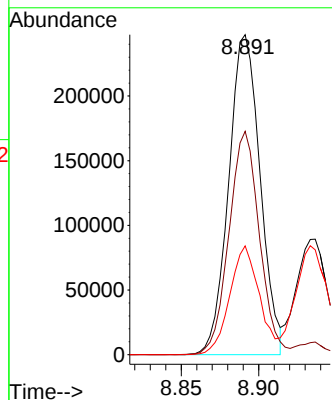
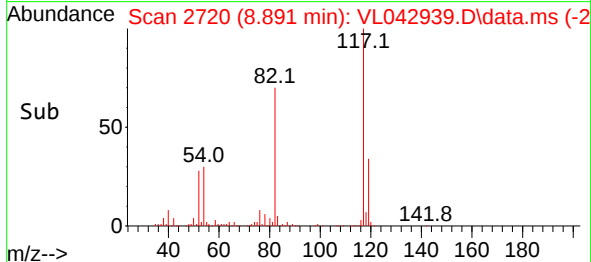
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



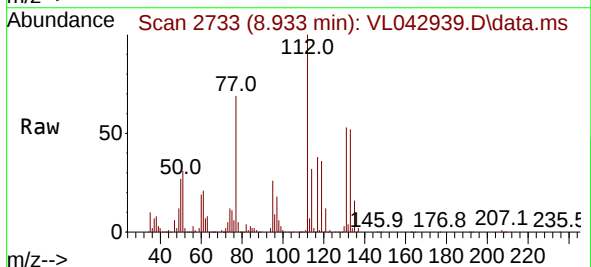
Tgt Ion:117 Resp: 350205
Ion Ratio Lower Upper
117 100
82 71.0 56.1 84.1
119 31.7 25.8 38.8

Manual Integrations
APPROVED

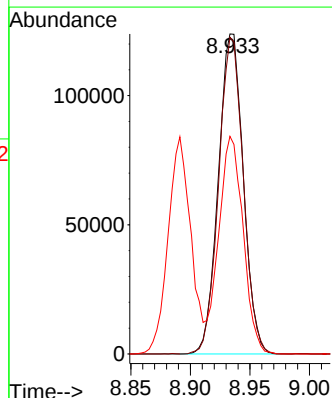
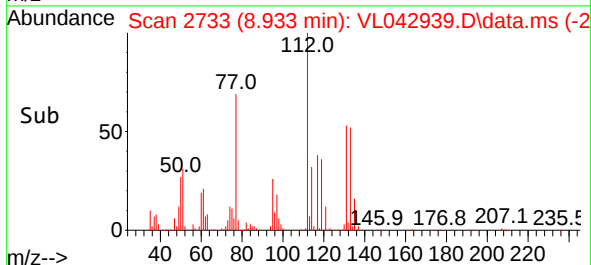
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

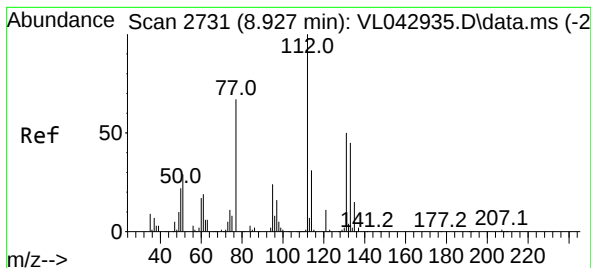


#56
1,1,1,2-Tetrachloroethane
Concen: 10.105 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38



Tgt Ion:131 Resp: 180285
Ion Ratio Lower Upper
131 100
133 97.5 76.1 114.1
119 63.5 53.4 80.2





#57

Chlorobenzene

Concen: 10.455 ppbv

RT: 8.933 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

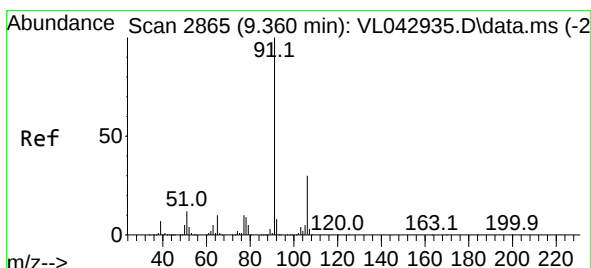
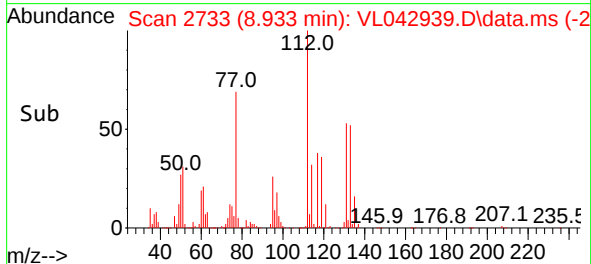
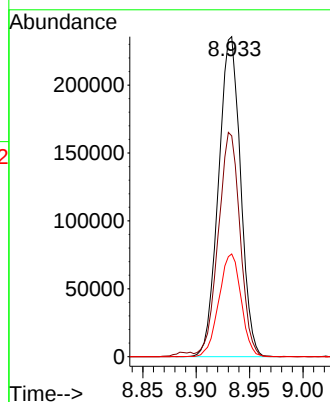
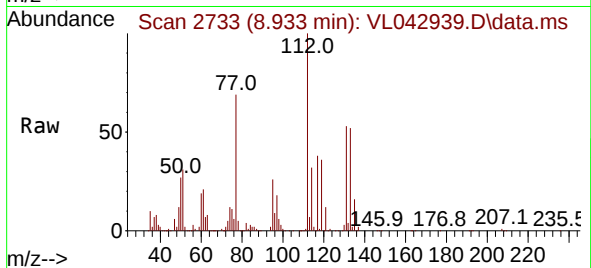
VSTDCCC010

Tgt Ion:	112	Resp:	33839
Ion Ratio	Lower	Upper	
112	100		
77	69.0	54.8	82.2
114	32.1	28.2	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#58

Ethyl Benzene

Concen: 12.894 ppbv

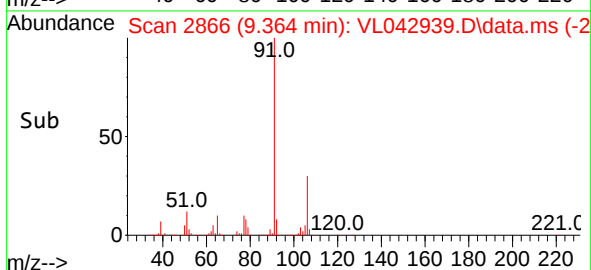
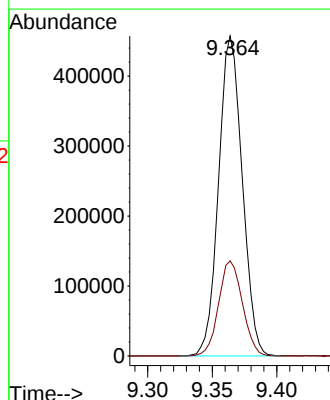
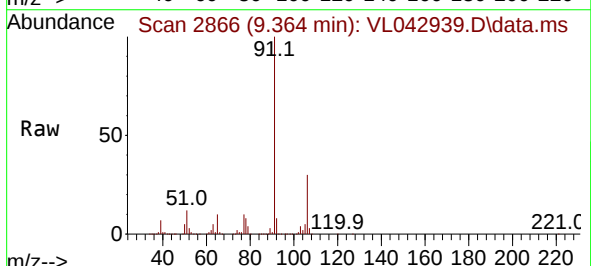
RT: 9.364 min Scan# 2866

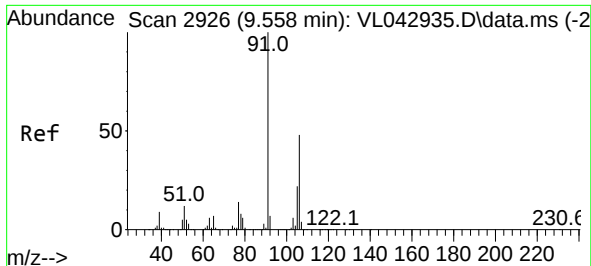
Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion:	91	Resp:	581778
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.2	36.4





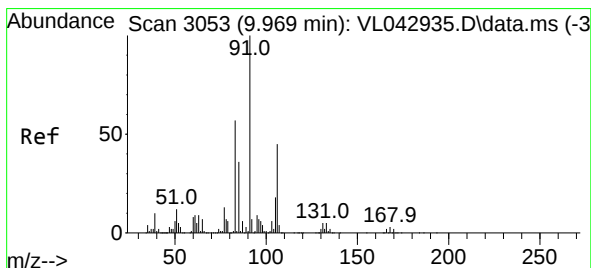
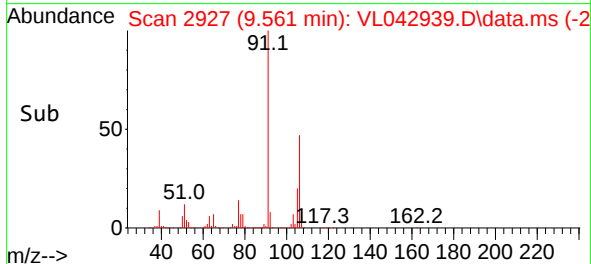
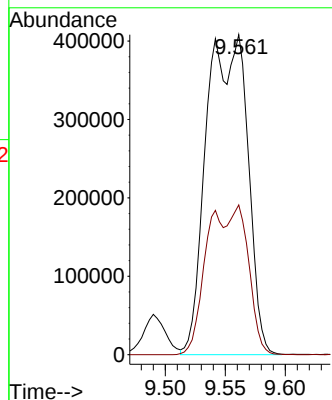
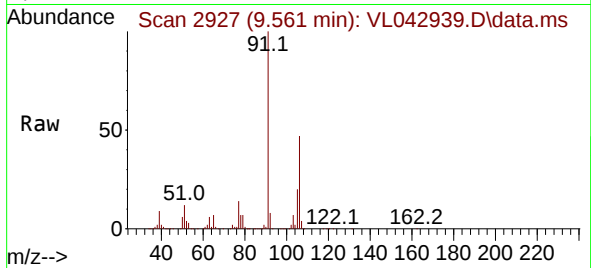
#59
m/p-Xylene
Concen: 25.483 ppbv m
RT: 9.561 min Scan# 2927
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 971570
Ion Ratio Lower Upper
91 100
106 46.8 37.4 56.0

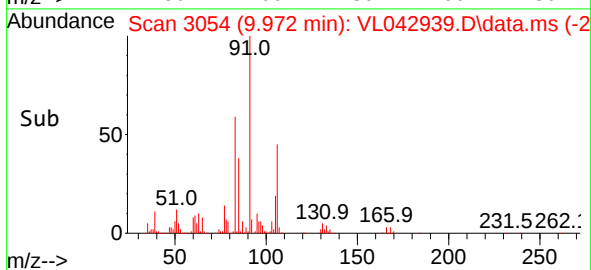
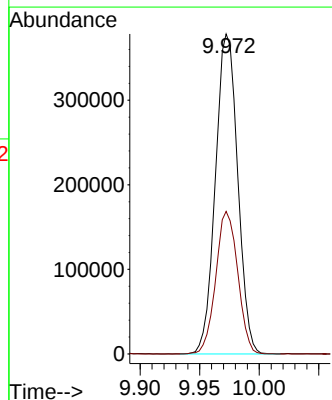
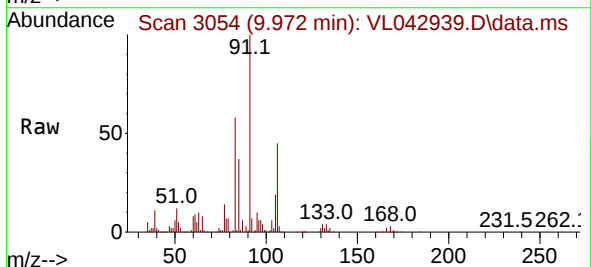
Manual Integrations
APPROVED

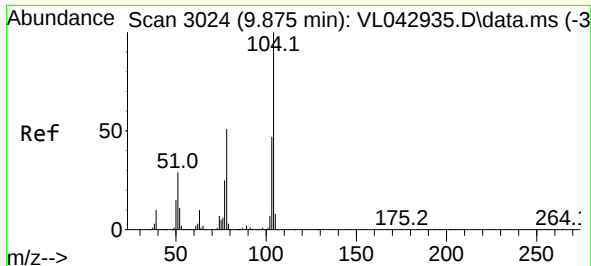
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#60
o-Xylene
Concen: 12.961 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

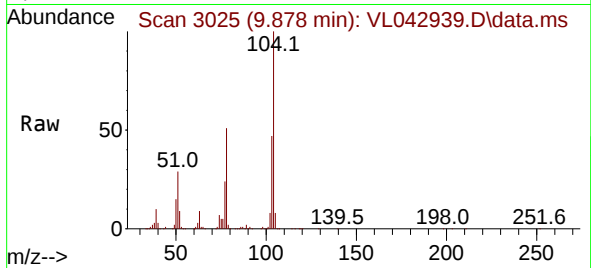
Tgt Ion: 91 Resp: 491310
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





#61
Styrene
Concen: 10.204 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

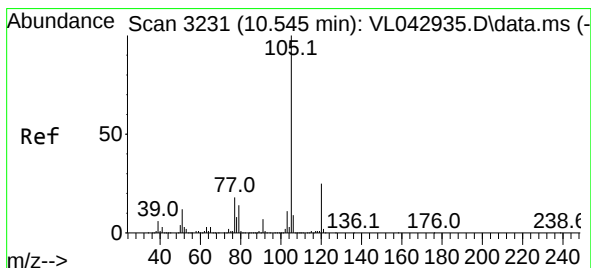
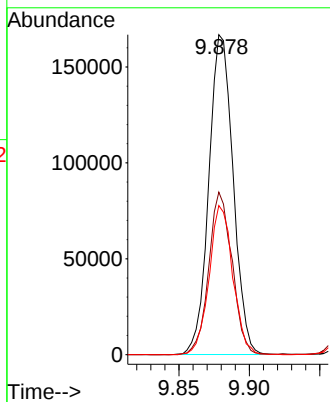
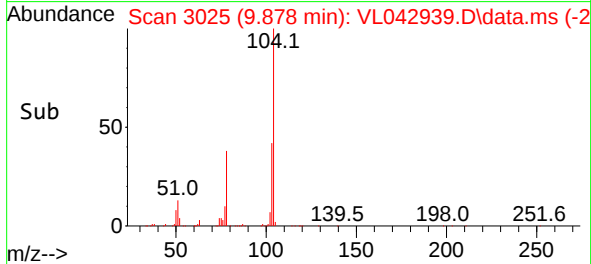
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



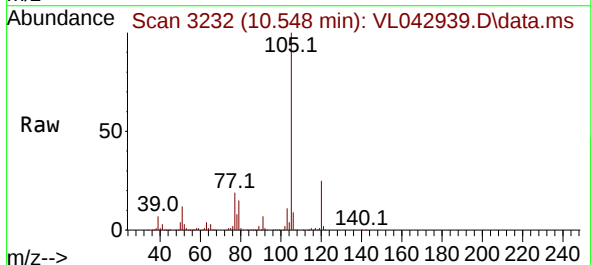
Tgt Ion:104 Resp: 200245
Ion Ratio Lower Upper
104 100
78 49.0 40.2 60.2
103 45.5 36.8 55.2

Manual Integrations
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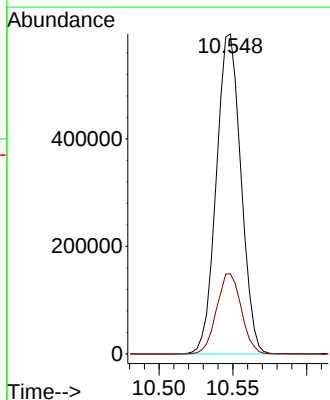
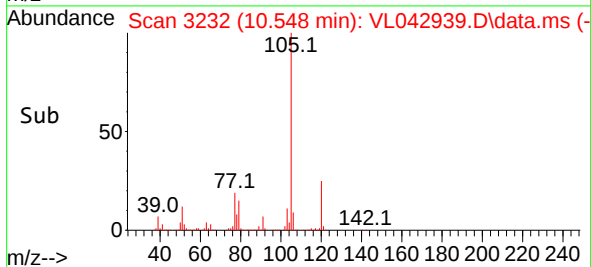
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

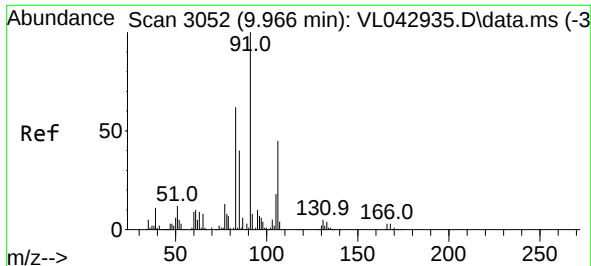


#62
Isopropylbenzene
Concen: 12.519 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38



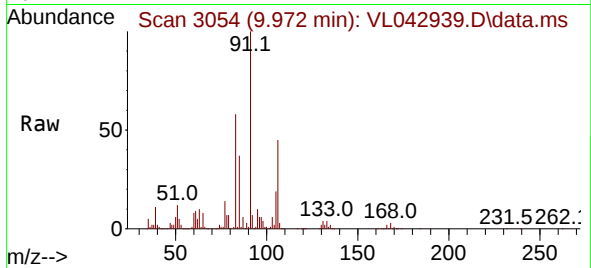
Tgt Ion:105 Resp: 691261
Ion Ratio Lower Upper
105 100
120 25.2 20.0 30.0





#63
1,1,2,2-Tetrachloroethane
Concen: 10.076 ppbv
RT: 9.972 min Scan# 3052
Delta R.T. 0.007 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

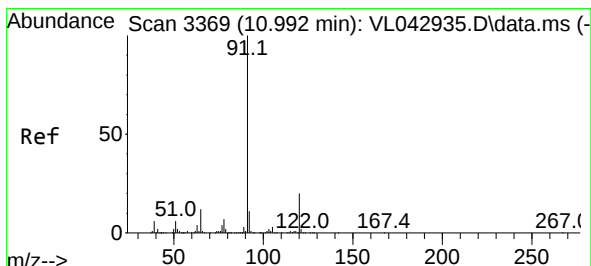
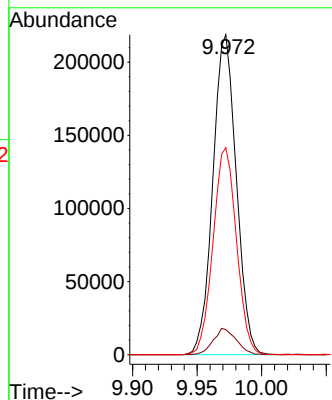
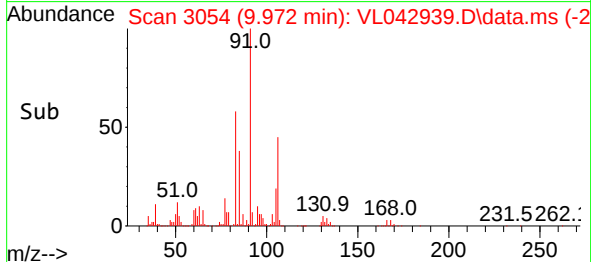
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



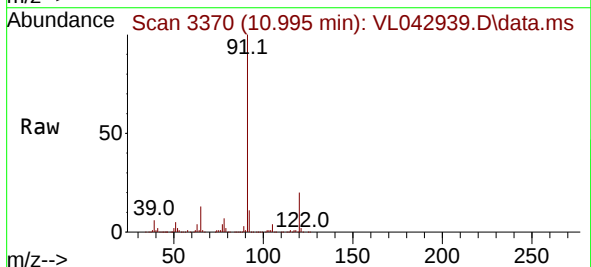
Tgt Ion: 83 Resp: 275929
Ion Ratio Lower Upper
83 100
131 8.1 4.2 12.6
85 64.6 32.6 98.0

Manual Integrations
APPROVED

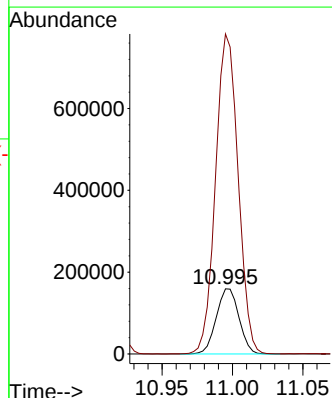
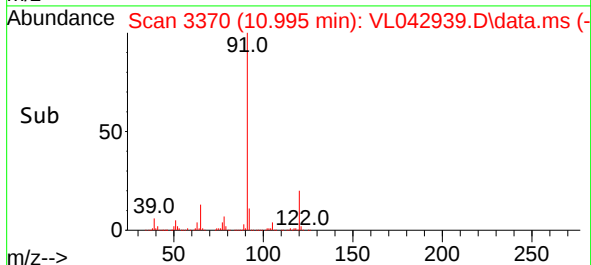
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025

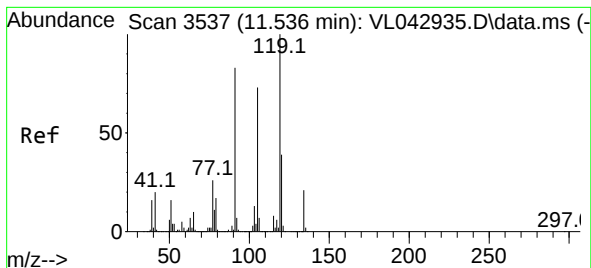


#64
n-propylbenzene
Concen: 12.461 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38



Tgt Ion:120 Resp: 178404
Ion Ratio Lower Upper
120 100
91 489.9 394.6 591.8





#65

tert-Butylbenzene

Concen: 12.865 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

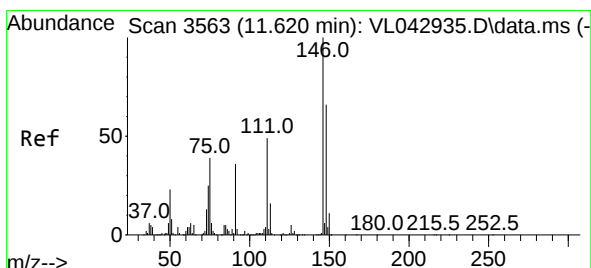
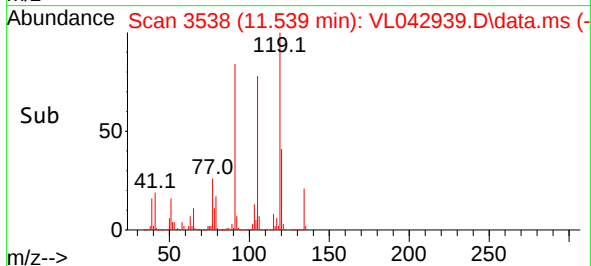
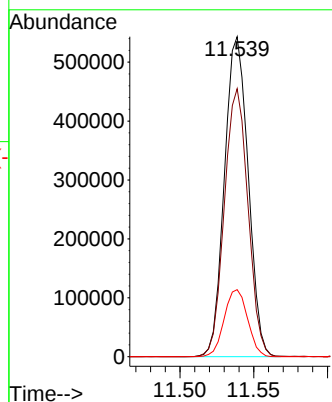
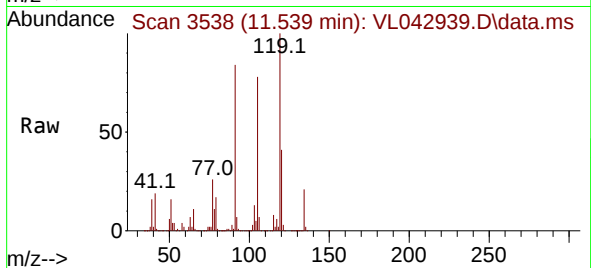
Tgt Ion: 119 Resp: 60705

Ion	Ratio	Lower	Upper
119	100		
91	83.4	66.0	99.0
134	20.6	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#66

Benzyl Chloride

Concen: 12.827 ppbv

RT: 11.623 min Scan# 3564

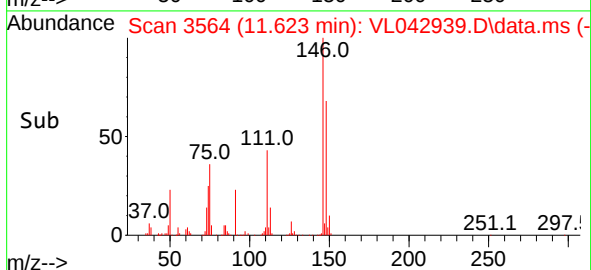
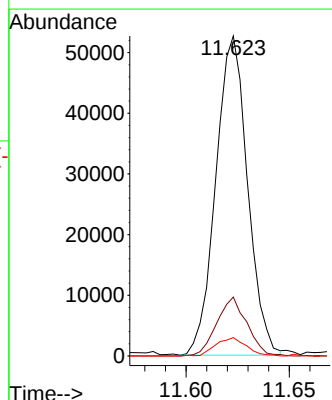
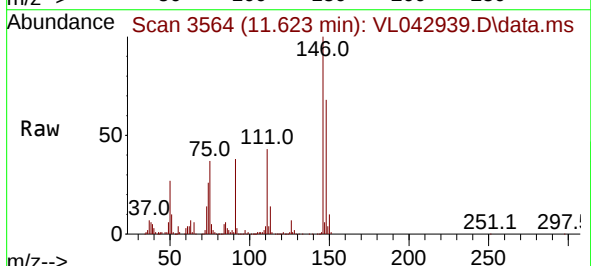
Delta R.T. 0.003 min

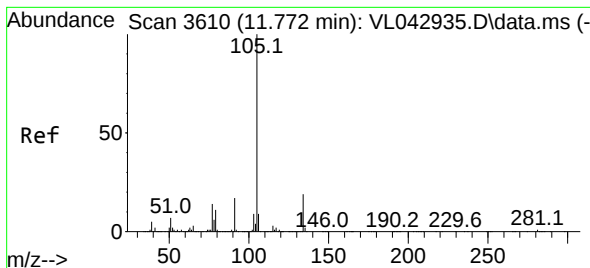
Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion: 91 Resp: 56239

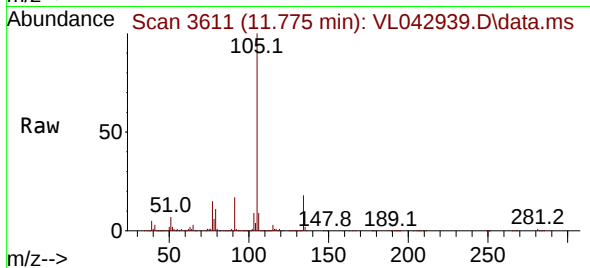
Ion	Ratio	Lower	Upper
91	100		
126	17.5	13.9	20.9
128	5.7	4.9	7.3





#67
 sec-Butylbenzene
 Concen: 12.495 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

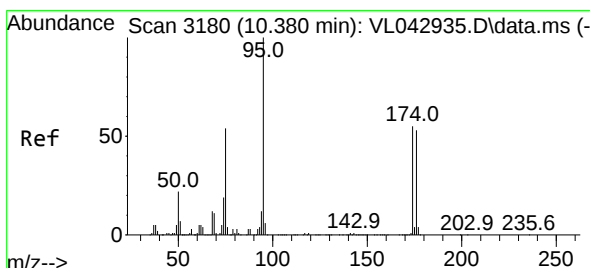
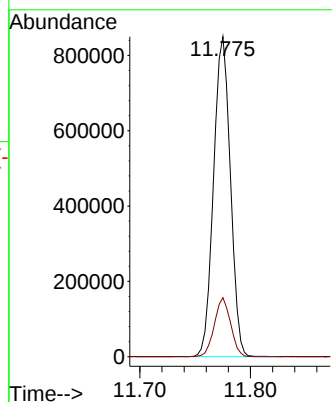
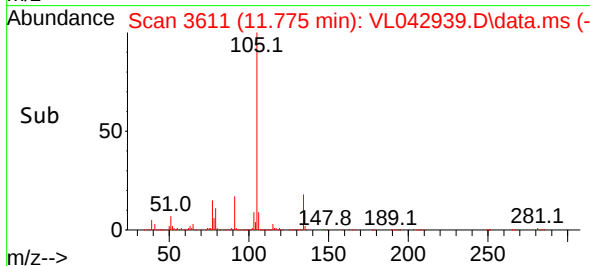
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



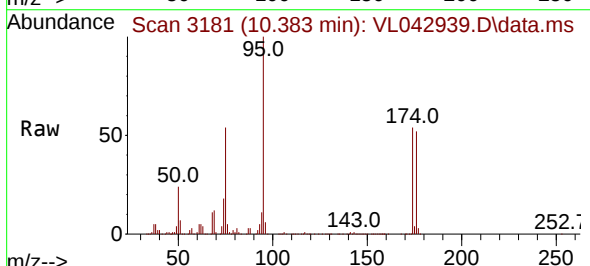
Tgt Ion: 105 Resp: 896962
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.3 21.5

Manual Integrations
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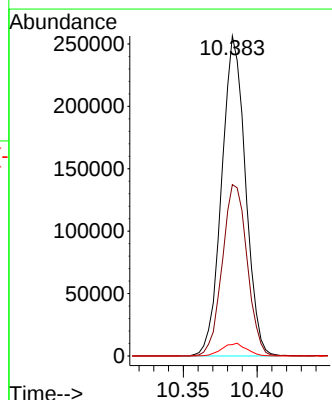
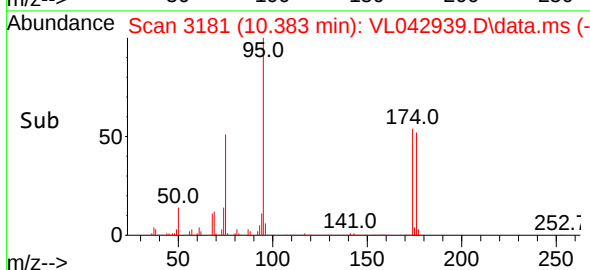
Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

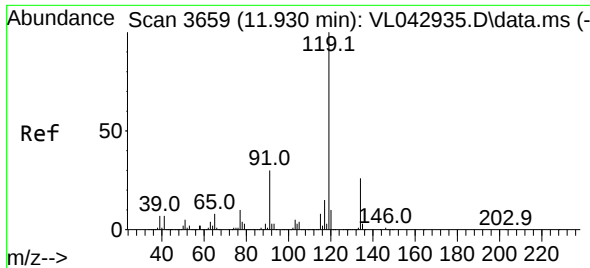


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.498 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38



Tgt Ion: 95 Resp: 287353
 Ion Ratio Lower Upper
 95 100
 174 56.0 44.9 67.3
 175 4.1 3.3 4.9





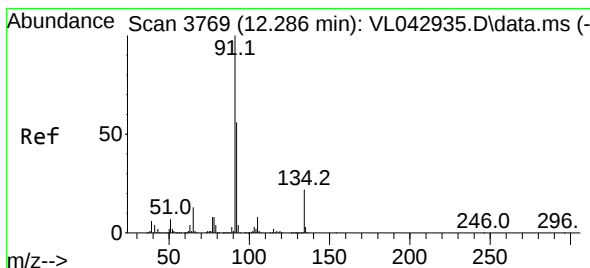
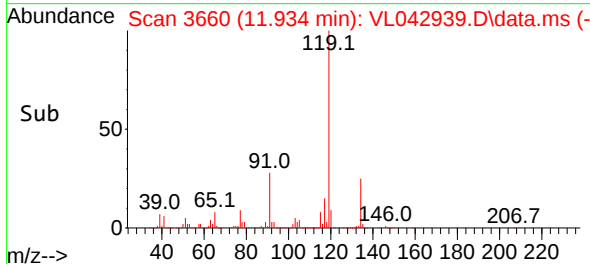
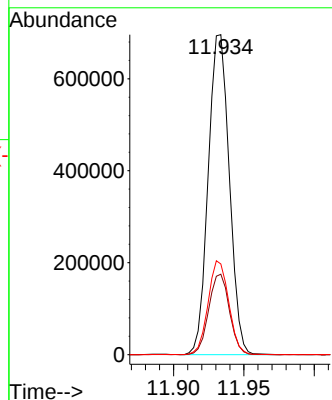
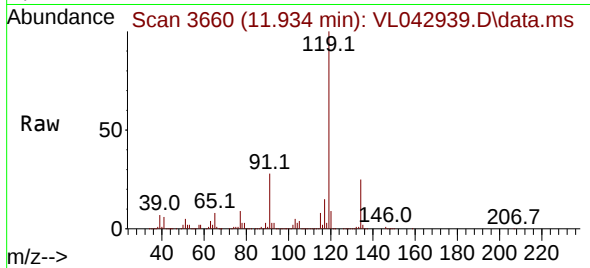
#69
p-Isopropyltoluene
Concen: 13.132 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.004 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 726500
Ion Ratio Lower Upper
119 100
134 24.8 20.5 30.7
91 29.0 23.2 34.8

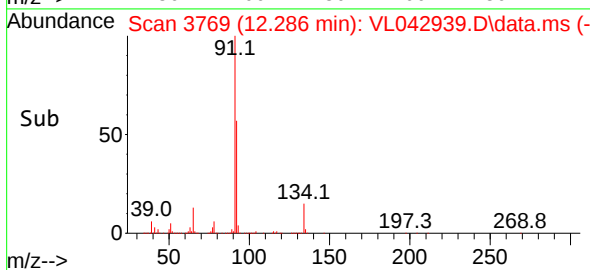
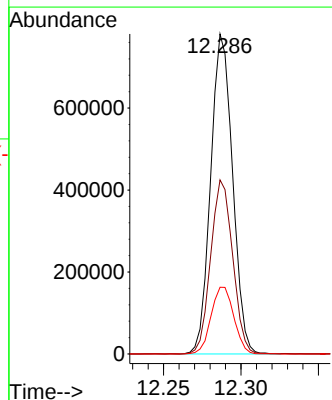
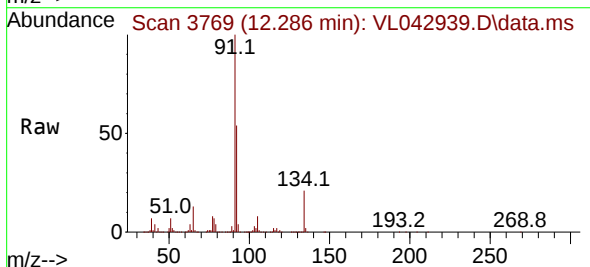
Manual Integrations
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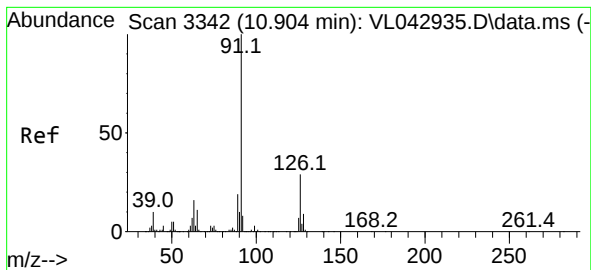
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#70
n-Butylbenzene
Concen: 10.360 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion: 91 Resp: 766822
Ion Ratio Lower Upper
91 100
92 54.7 43.8 65.8
134 21.7 17.3 25.9





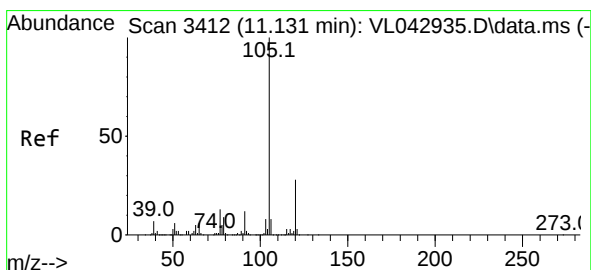
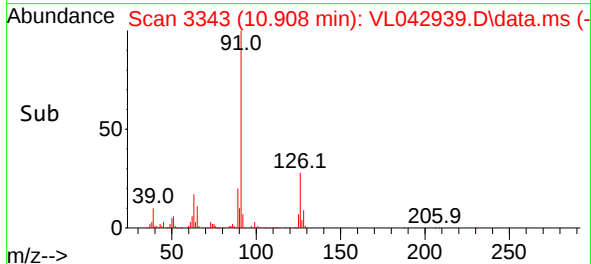
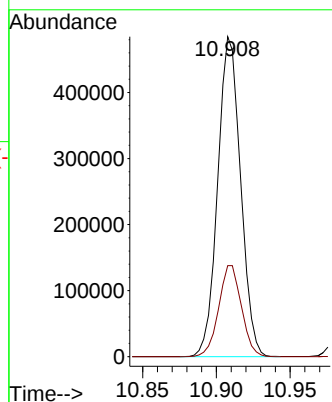
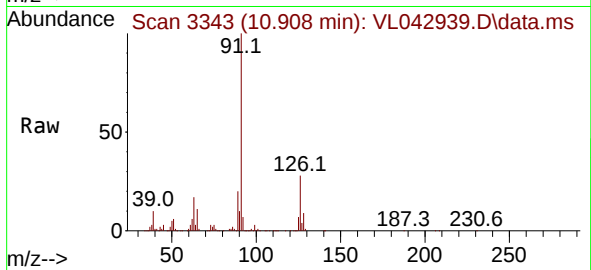
#71
2-Chlorotoluene
Concen: 12.761 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 52284
Ion Ratio Lower Upper
91 100
126 28.3 11.5 45.9

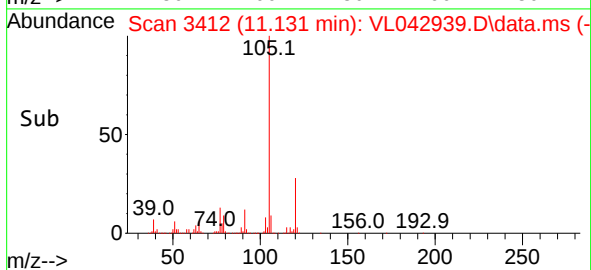
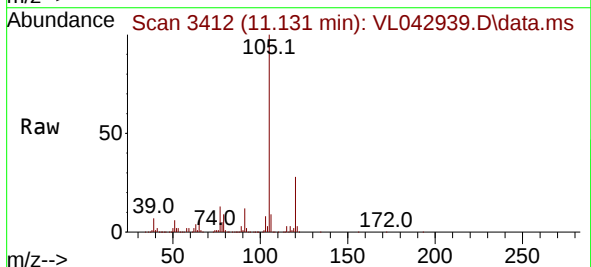
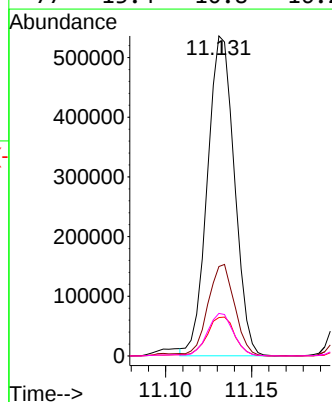
Manual Integrations
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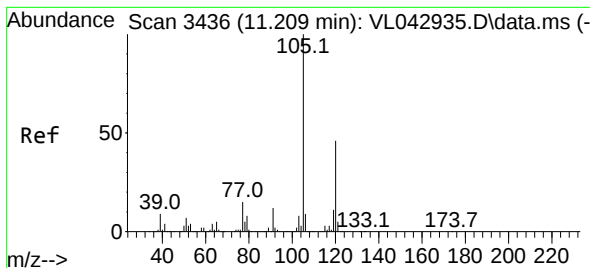
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#72
4-Ethyltoluene
Concen: 10.212 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion:105 Resp: 585141
Ion Ratio Lower Upper
105 100
120 29.0 23.1 34.7
91 12.9 10.4 15.6
77 13.4 10.8 16.2





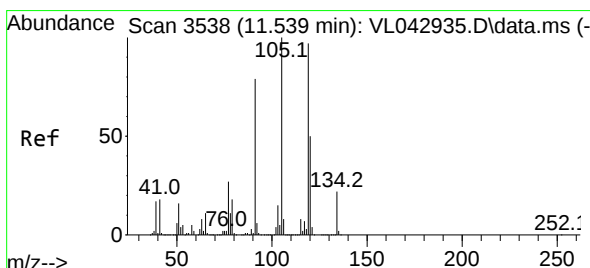
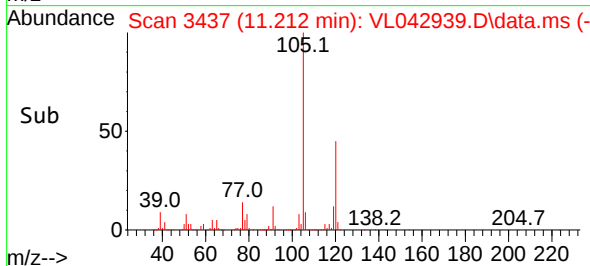
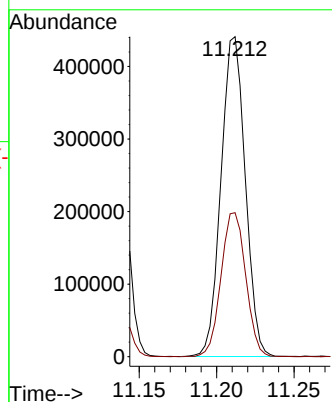
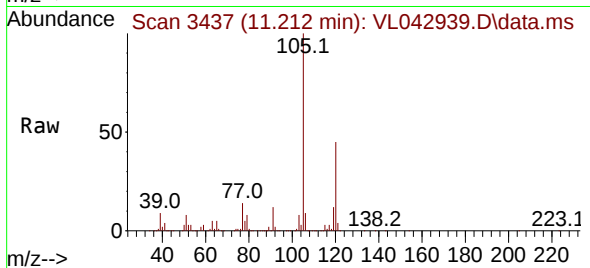
#73
1,3,5-Trimethylbenzene
Concen: 12.818 ppbv
RT: 11.212 min Scan# 3436
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 480708
Ion Ratio Lower Upper
105 100
120 45.0 37.0 55.6

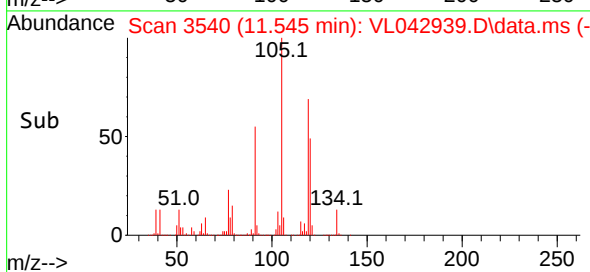
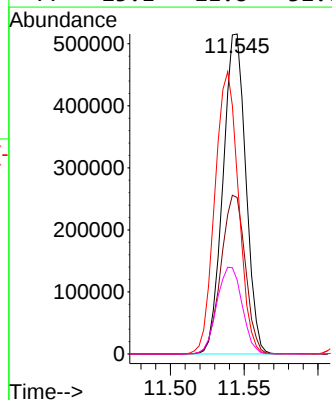
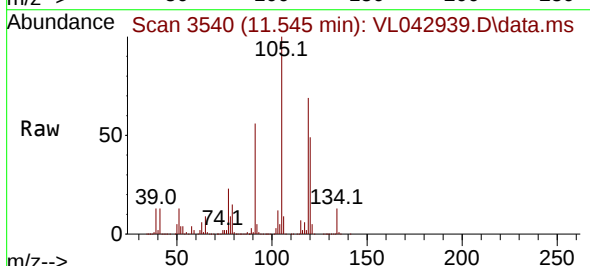
Manual Integrations
APPROVED

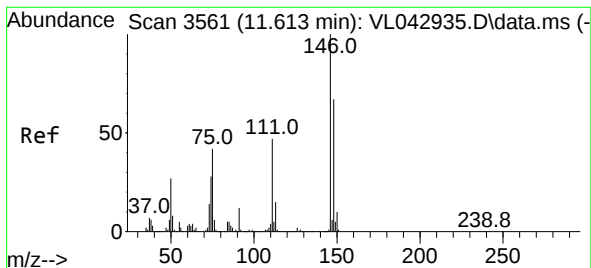
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#74
1,2,4-Trimethylbenzene
Concen: 12.594 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.006 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion:105 Resp: 555055
Ion Ratio Lower Upper
105 100
120 48.9 39.8 59.6
91 55.5 63.1 94.7#
77 23.1 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 11.284 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

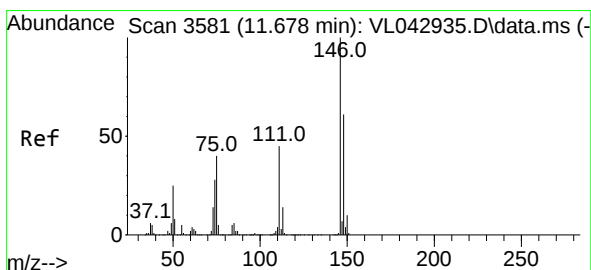
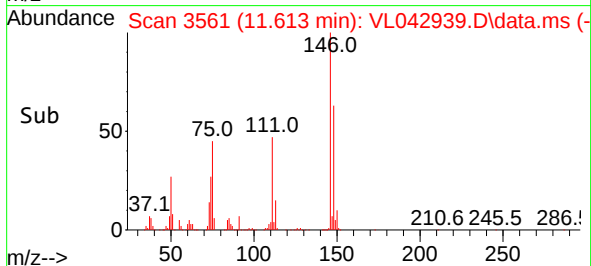
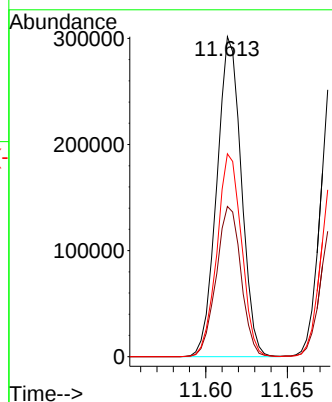
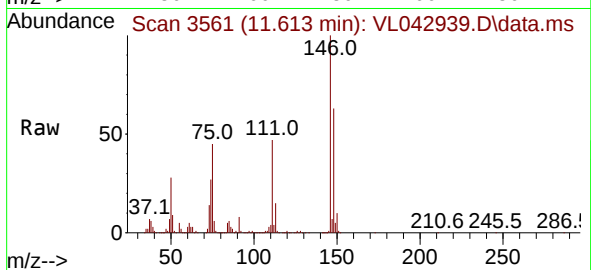
VSTDCCC010

Tgt Ion:146	Resp:	315272
Ion Ratio	Lower	Upper
146	100	
111	47.5	24.1 72.2
148	63.4	31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#76

1,4-Dichlorobenzene

Concen: 11.710 ppbv

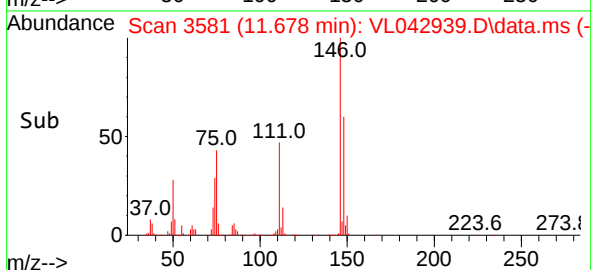
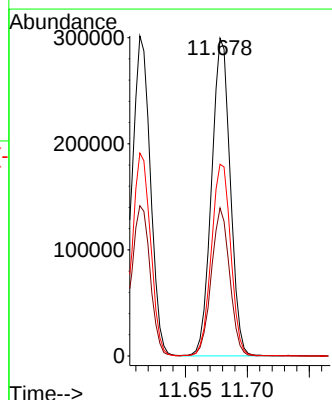
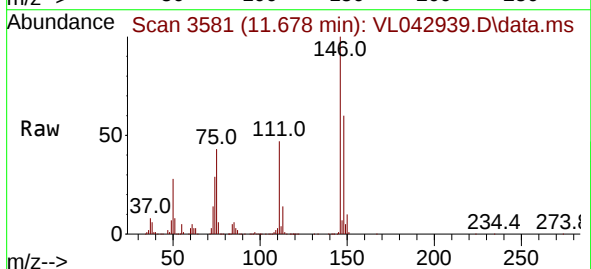
RT: 11.678 min Scan# 3581

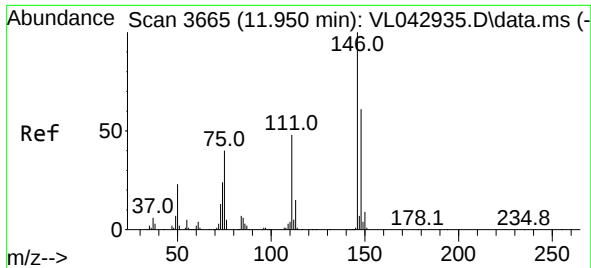
Delta R.T. 0.000 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Tgt Ion:146	Resp:	314779
Ion Ratio	Lower	Upper
146	100	
111	45.7	23.0 69.0
148	62.4	31.8 95.4





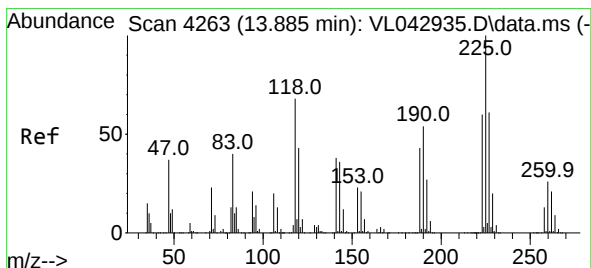
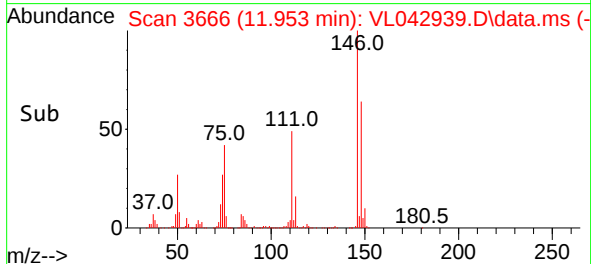
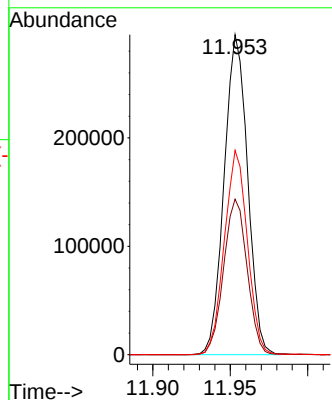
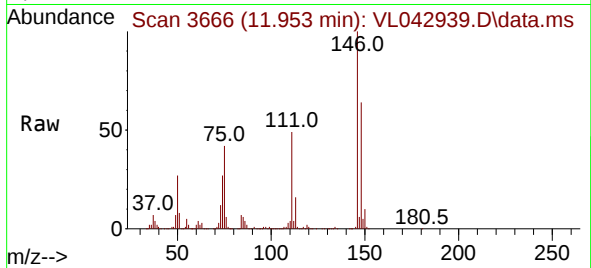
#77
1,2-Dichlorobenzene
Concen: 11.026 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 31082
Ion Ratio Lower Upper
146 100
111 48.9 24.6 73.8
148 62.9 31.4 94.2

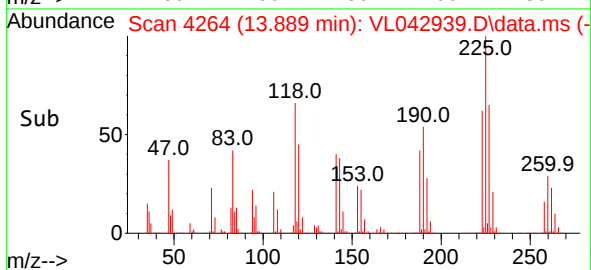
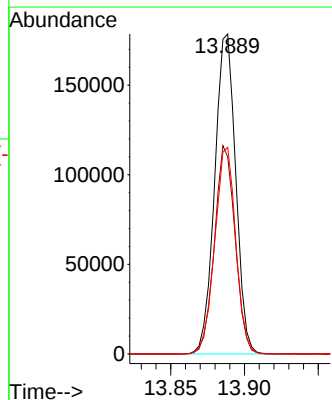
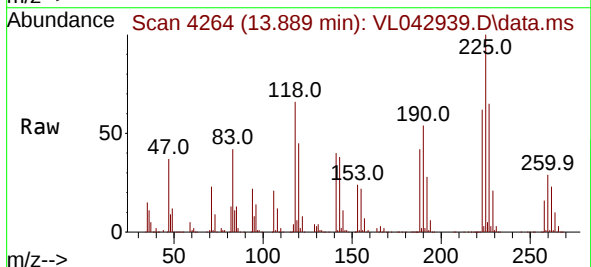
Manual Integrations
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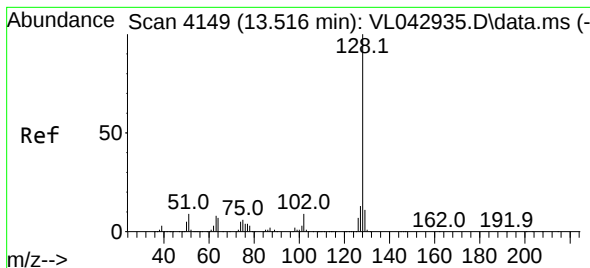
Reviewed By :Semsettin Yesilyurt 09/19/2025
Supervised By :Mahesh Dadoda 09/24/2025



#78
Hexachloro-1,3-Butadiene
Concen: 9.828 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042939.D
Acq: 18 Sep 2025 09:38

Tgt Ion:225 Resp: 176944
Ion Ratio Lower Upper
225 100
223 64.0 50.6 76.0
227 64.5 50.5 75.7





#79

Naphthalene

Concen: 9.778 ppbv

RT: 13.520 min Scan# 4149

Delta R.T. 0.004 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 452592

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

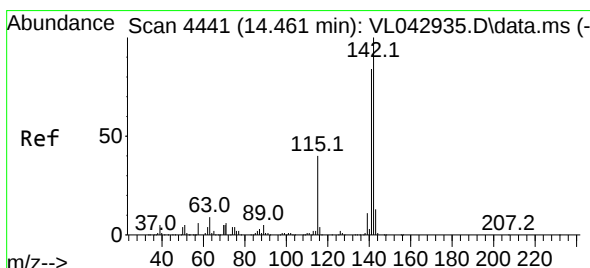
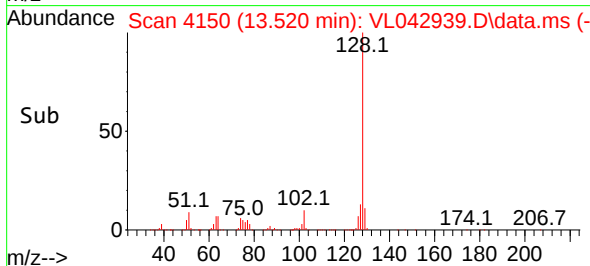
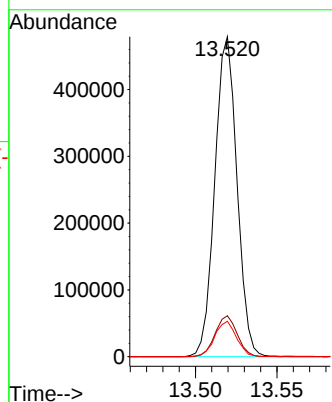
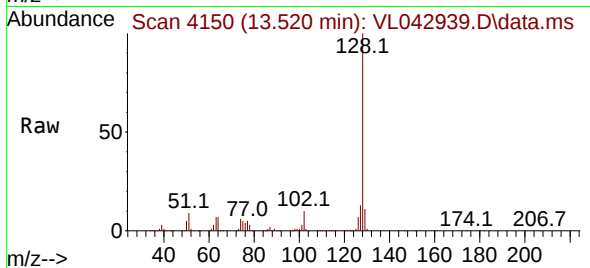
129 11.0 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2025

Supervised By :Mahesh Dadoda 09/24/2025



#80

Naphthalene,2-methyl-

Concen: 8.078 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.004 min

Lab File: VL042939.D

Acq: 18 Sep 2025 09:38

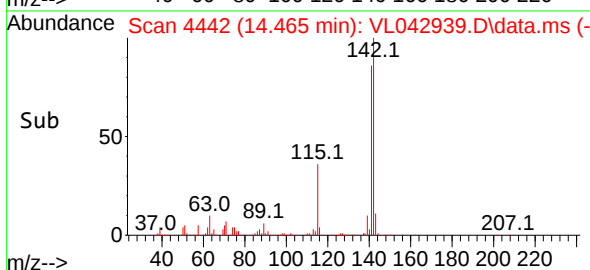
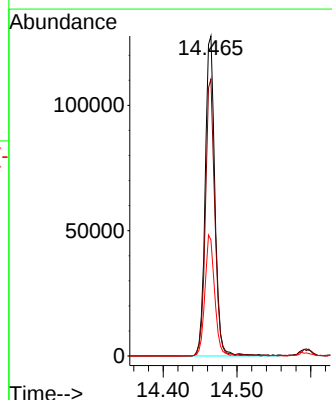
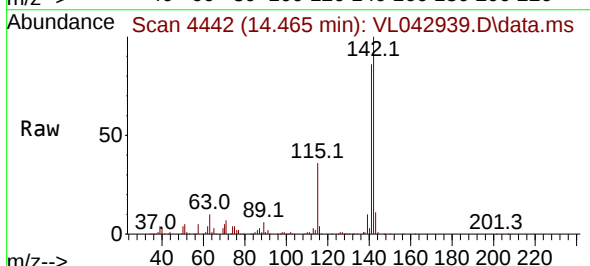
Tgt Ion:142 Resp: 115977

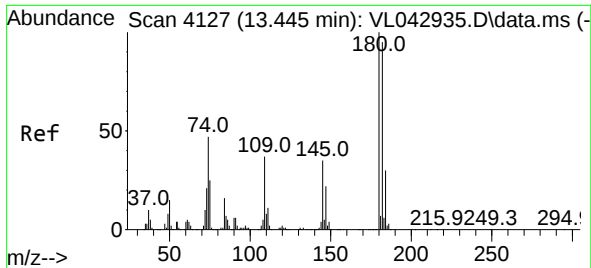
Ion Ratio Lower Upper

142 100

141 84.1 67.0 100.6

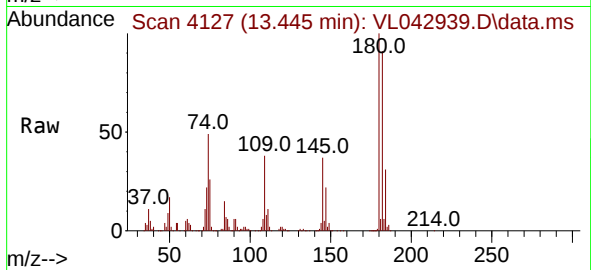
115 38.6 32.0 48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.972 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042939.D
 Acq: 18 Sep 2025 09:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 22172
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.5 113.3
 184 30.3 24.6 37.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2025
 Supervised By :Mahesh Dadoda 09/24/2025

