

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042983.D
 Acq On : 23 Sep 2025 09:14
 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 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 02:04:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	140159	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	397606	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	356928	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 285330 10.709 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	187032	9.921	ppbv	95
3) Chlorodifluoromethane	1.479	51	226561	9.643	ppbv	97
4) Chloromethane	1.534	50	78049	9.147	ppbv	99
5) Vinyl Chloride	1.583	62	67278	8.722	ppbv	100
6) Bromomethane	1.670	94	24422	8.975	ppbv	96
7) Chloroethane	1.709	64	26802	8.948	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	151817	9.434	ppbv	100
9) Propene	1.486	41	83019	8.122	ppbv	96
10) Heptane	4.991	43	242117	8.876	ppbv	99
11) Trichlorofluoromethane	1.881	101	185063	10.181	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	144385	9.809	ppbv	99
13) Ethanol	1.725	45	6504	6.559	ppbv	96
14) Bromoethene	1.787	108	51728	9.295	ppbv	98
15) Acetone	1.839	43	146605	8.031	ppbv	98
16) 1,3-Butadiene	1.612	39	74090	8.604	ppbv	97
17) tert-Butyl alcohol	2.043	59	167840	8.383	ppbv	100
18) 1,1-Dichloroethene	2.039	96	63829	9.368	ppbv	99
19) Isopropyl Alcohol	1.890	45	94735	8.633	ppbv	95
20) Methylene Chloride	2.065	84	55766	10.264	ppbv	96
21) Allyl Chloride	2.101	41	117413	9.235	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	71690	9.260	ppbv	97
23) Vinyl Acetate	2.467	43	230988	8.857	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	145685	9.596	ppbv	99
25) Ethyl Acetate	2.839	43	423103	9.170	ppbv	99
26) Hexane	2.832	57	188410	8.959	ppbv	98
27) Carbon Disulfide	2.156	76	170121	9.019	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	91757	8.393	ppbv	95
29) Chloroform	2.855	83	281560	10.239	ppbv	99
30) Cyclohexane	3.862	84	158650	9.022	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	188239	9.555	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	274087	9.228	ppbv	99
34) 2-Butanone	2.560	43	279284	10.023	ppbv	99
35) Carbon Tetrachloride	3.771	117	279346	10.791	ppbv	98
36) Benzene	3.664	78	373905	10.014	ppbv	99
37) 1,2-Dichloroethane	3.224	62	224338	11.424	ppbv	97
38) Trichloroethene	4.557	130	174937	9.427	ppbv	92
39) 1,2-Dichloropropane	4.324	63	138847	10.186	ppbv	87
40) 1,4-Dioxane	4.587	88	58847	9.285	ppbv #	97
41) Tetrahydrofuran	3.059	42	152129	9.498	ppbv	100
42) Bromodichloromethane	4.499	83	297856	10.891	ppbv	97
43) Methyl Methacrylate	4.891	69	143508	9.394	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	637574	9.887	ppbv	97
45) t-1,3-Dichloropropene	6.428	75	149384	9.169	ppbv	96

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Quant Time: Sep 24 02:04:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

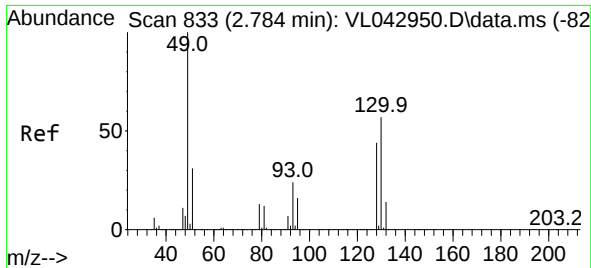
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	197209	9.498	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	146175	10.149	ppbv	97
48) Dibromochloromethane	7.396	129	241948	10.500	ppbv	99
49) Bromoform	9.490	173	201373	10.047	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	371641	9.951	ppbv	99
51) 2-Hexanone	7.444	43	299396	10.057	ppbv #	97
52) Tetrachloroethene	8.231	164	130498	9.033	ppbv	97
53) Toluene	6.943	91	424755	9.612	ppbv	100
54) 1,2-Dibromoethane	7.661	107	210744	10.396	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.933	131	181159	10.604	ppbv	98
57) Chlorobenzene	8.930	112	332694	10.210	ppbv	99
58) Ethyl Benzene	9.364	91	602544	10.281	ppbv	98
59) m/p-Xylene	9.558	91	964478m	20.873	ppbv	
60) o-Xylene	9.972	91	484224	10.485	ppbv	99
61) Styrene	9.878	104	212504	9.728	ppbv	97
62) Isopropylbenzene	10.545	105	703444	10.219	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	246998	10.175	ppbv	100
64) n-propylbenzene	10.995	120	181920	10.113	ppbv	94
65) tert-Butylbenzene	11.536	119	612510	10.004	ppbv	97
66) Benzyl Chloride	11.623	91	38429	5.982	ppbv	98
67) sec-Butylbenzene	11.772	105	877873	10.290	ppbv	98
69) p-Isopropyltoluene	11.930	119	733573	10.179	ppbv	98
70) n-Butylbenzene	12.286	91	744721	10.584	ppbv	99
71) 2-Chlorotoluene	10.908	91	531933	10.234	ppbv	98
72) 4-Ethyltoluene	11.131	105	592733	10.248	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	491234	10.472	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	545008	10.521	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	327787	10.203	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	328439	10.293	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	313228	10.247	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	214126	8.956	ppbv	99
79) Naphthalene	13.516	128	503948	11.001	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	125827	8.892	ppbv	95
81) 1,2,4-Trichlorobenzene	13.445	180	261685	10.684	ppbv	100

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



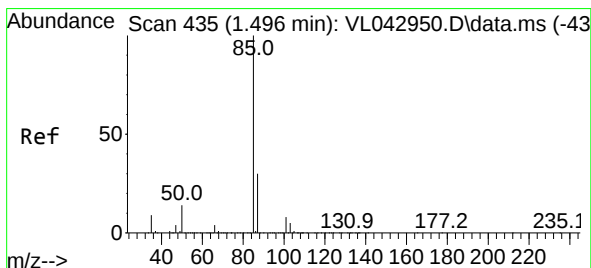
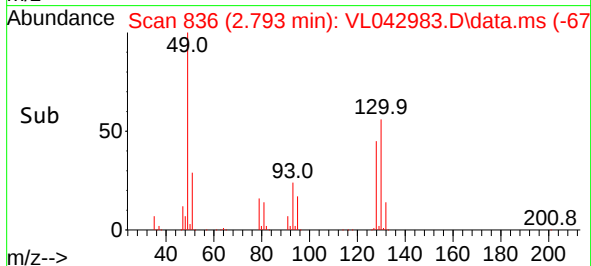
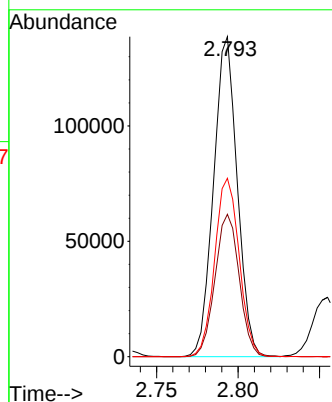
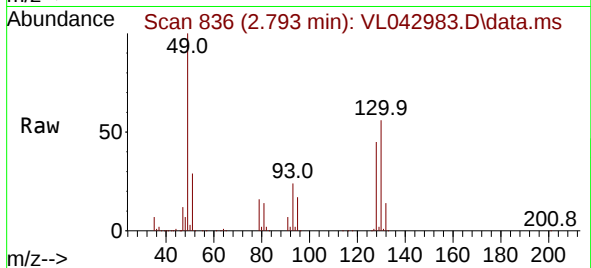
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 836
Delta R.T. 0.009 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 140159
Ion Ratio Lower Upper
49 100
128 45.5 22.9 68.8
130 57.5 29.1 87.3

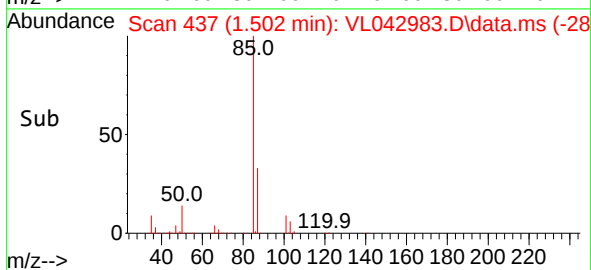
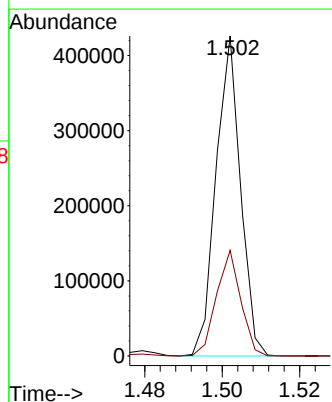
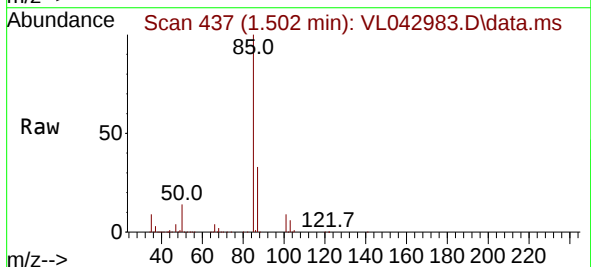
Manual Integrations
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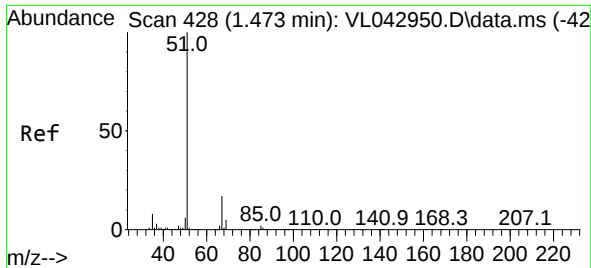
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#2
Dichlorodifluoromethane
Concen: 9.921 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion: 85 Resp: 187032
Ion Ratio Lower Upper
85 100
87 33.0 24.3 36.5





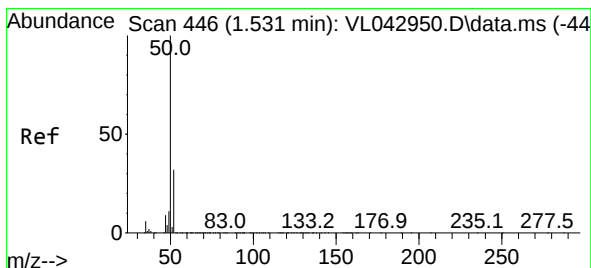
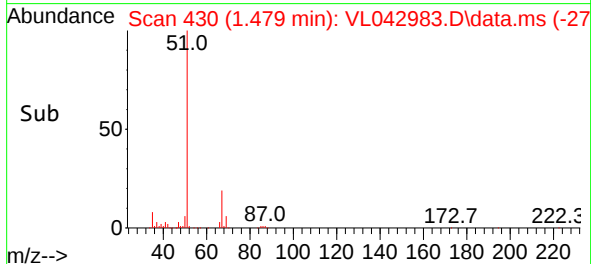
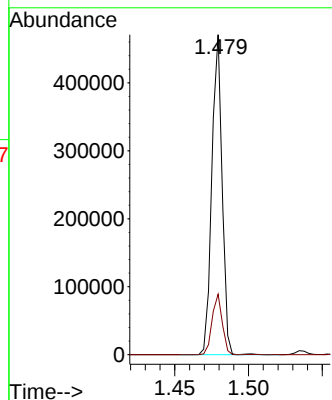
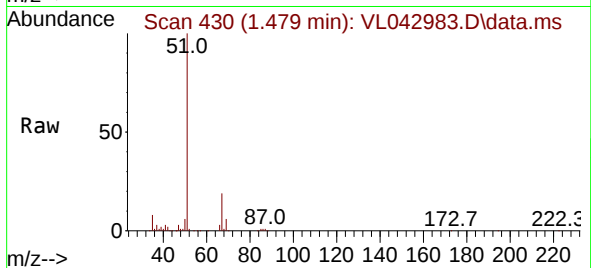
#3
Chlorodifluoromethane
Concen: 9.643 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 22656
Ion Ratio Lower Upper
51 100
67 18.7 13.8 20.8

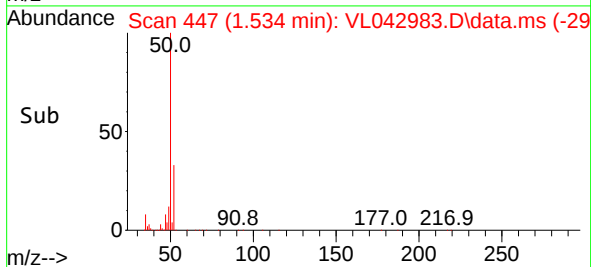
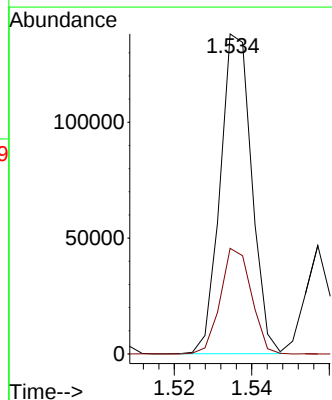
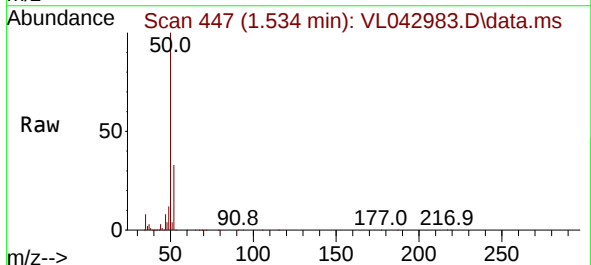
Manual Integrations
APPROVED

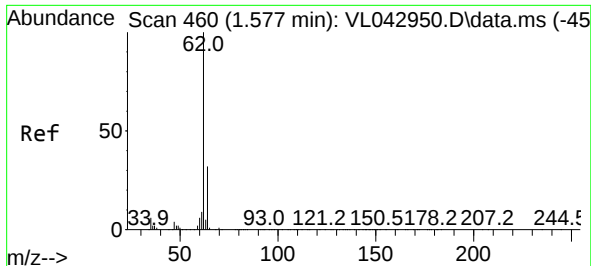
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#4
Chloromethane
Concen: 9.147 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

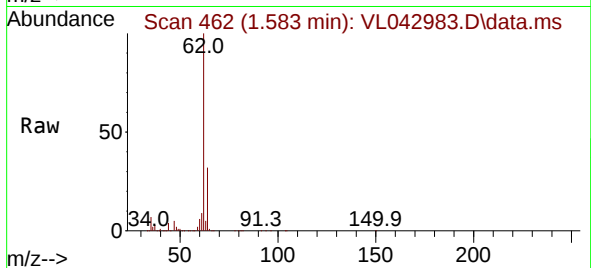
Tgt Ion: 50 Resp: 78049
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9





#5
 Vinyl Chloride
 Concen: 8.722 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

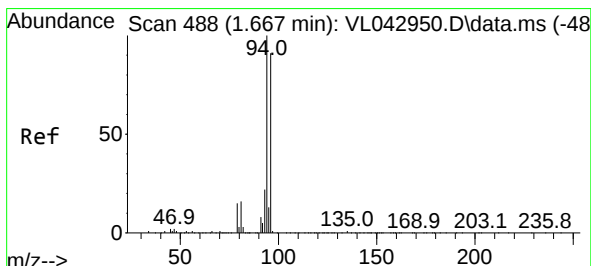
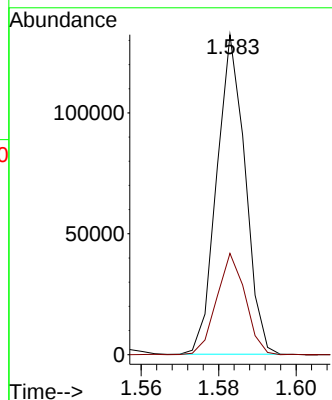
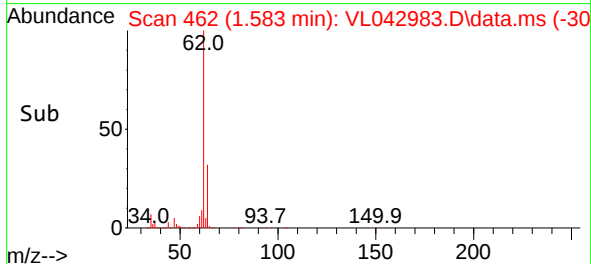
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 62 Resp: 67278
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.2

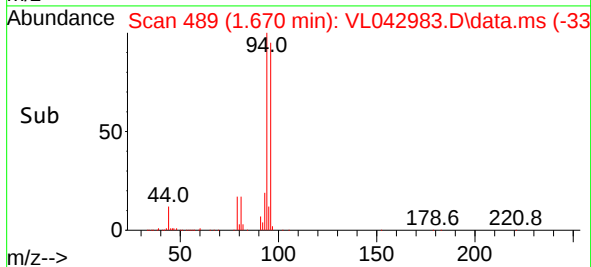
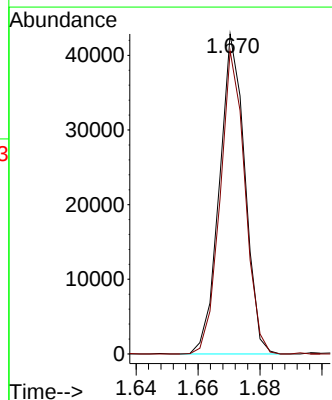
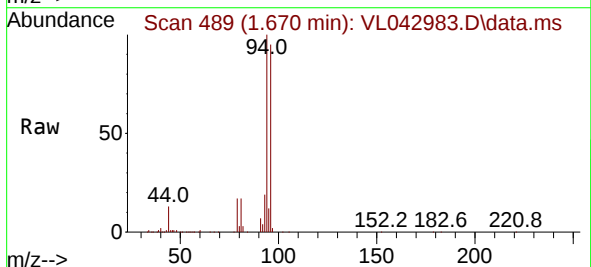
Manual Integrations
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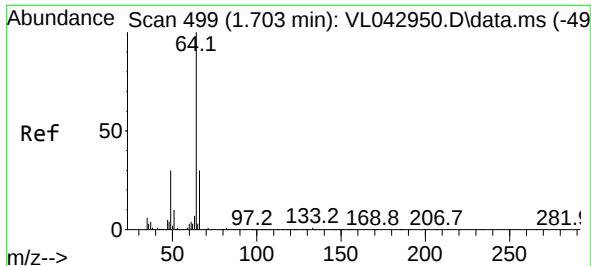
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#6
 Bromomethane
 Concen: 8.975 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

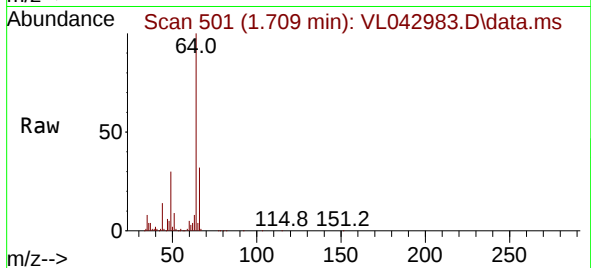
Tgt Ion: 94 Resp: 24422
 Ion Ratio Lower Upper
 94 100
 96 94.7 72.6 108.8





#7
Chloroethane
Concen: 8.948 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

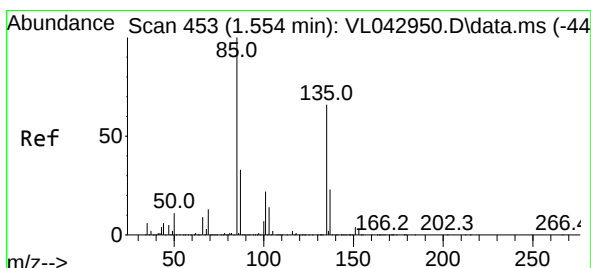
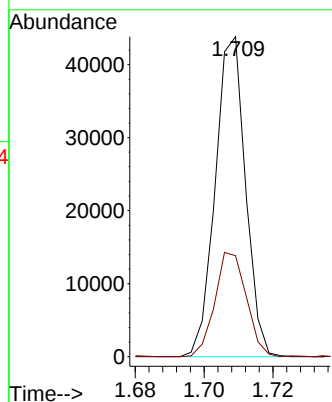
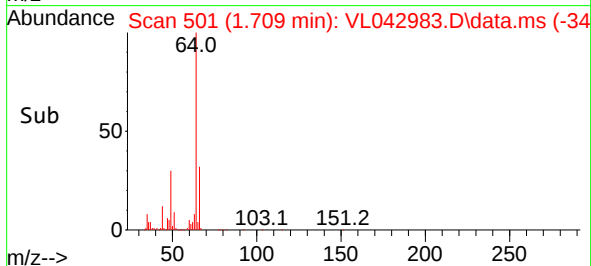
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



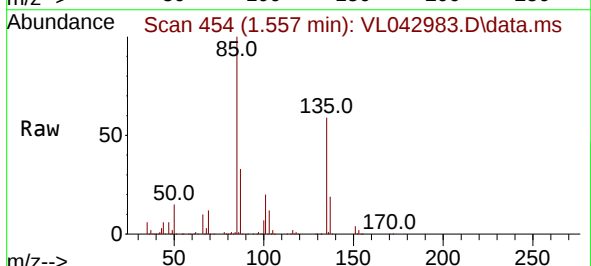
Tgt Ion: 64 Resp: 26802
Ion Ratio Lower Upper
64 100
66 31.6 24.6 36.8

Manual Integrations
APPROVED

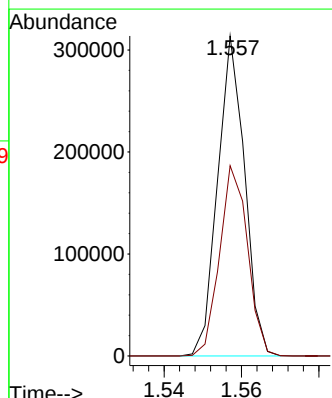
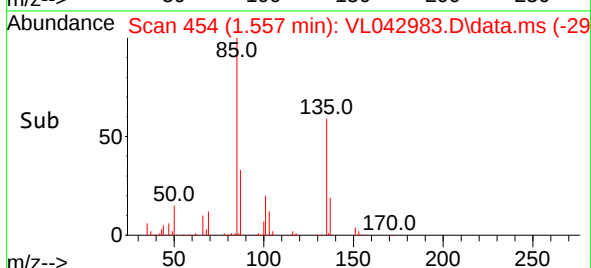
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

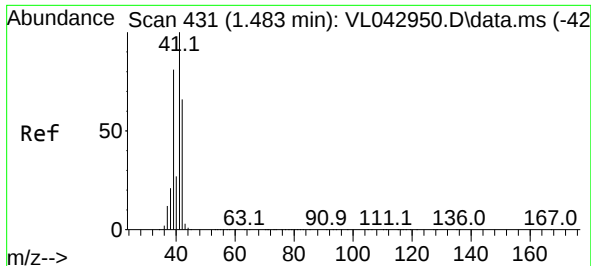


#8
Dichlorotetrafluoroethane
Concen: 9.434 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



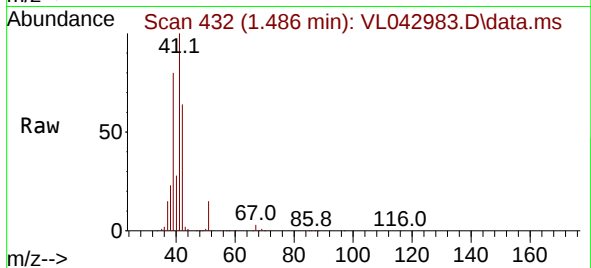
Tgt Ion: 85 Resp: 151817
Ion Ratio Lower Upper
85 100
135 61.8 49.7 74.5





#9
 Propene
 Concen: 8.122 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

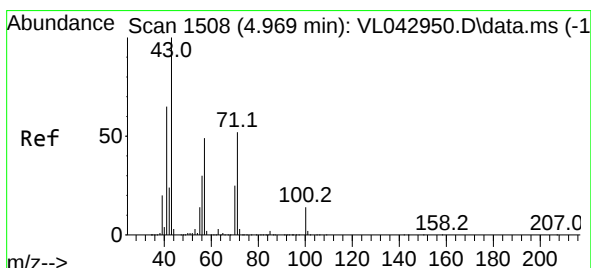
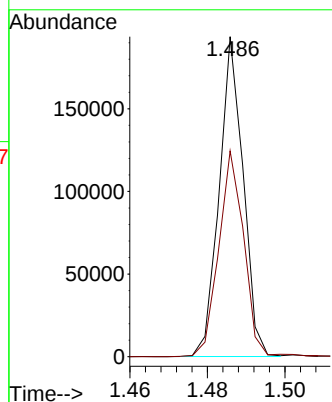
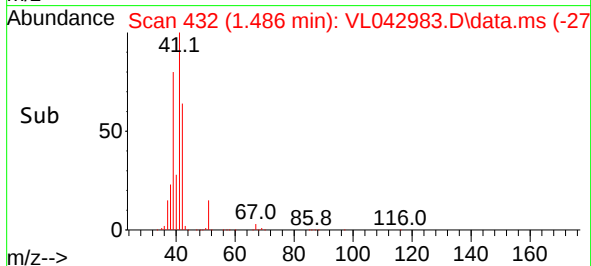
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



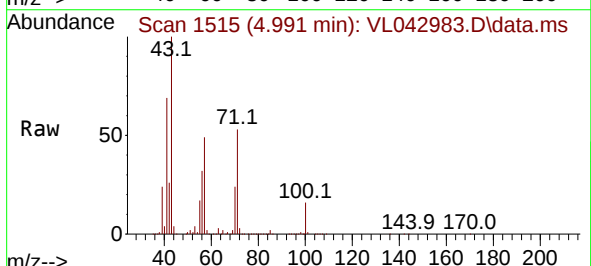
Tgt Ion: 41 Resp: 83019
 Ion Ratio Lower Upper
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 42 68.3 57.4 86.2

Manual Integrations
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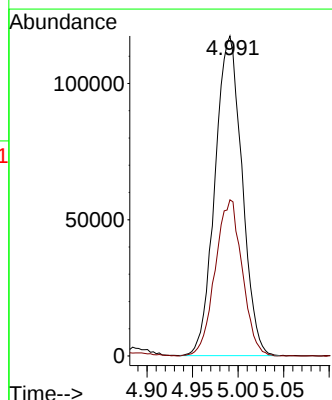
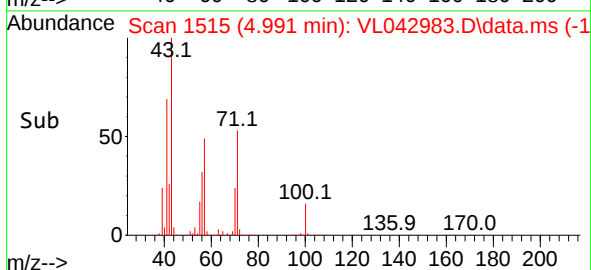
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

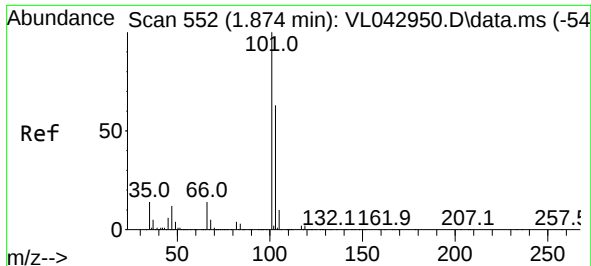


#10
 Heptane
 Concen: 8.876 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.023 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14



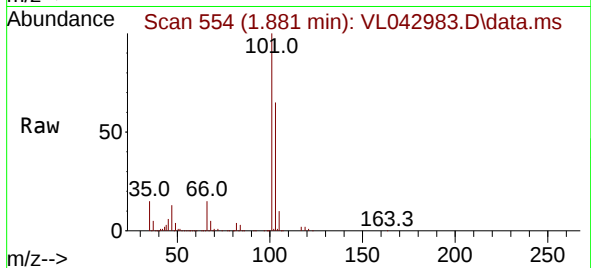
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 Ion Ratio Lower Upper
 43 100
 57 48.9 38.6 57.8





#11
 Trichlorofluoromethane
 Concen: 10.181 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

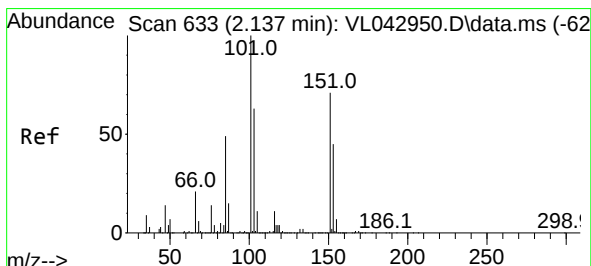
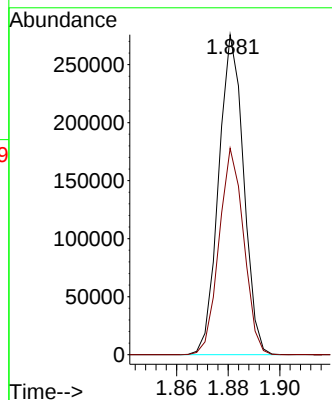
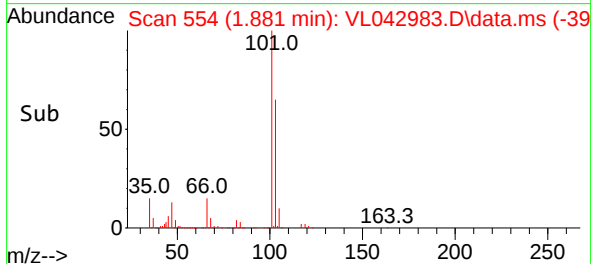
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



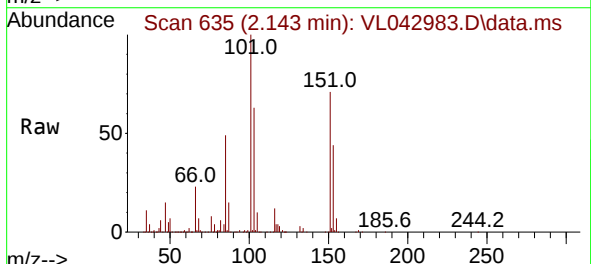
Tgt Ion:101 Resp: 185063
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.1 75.1

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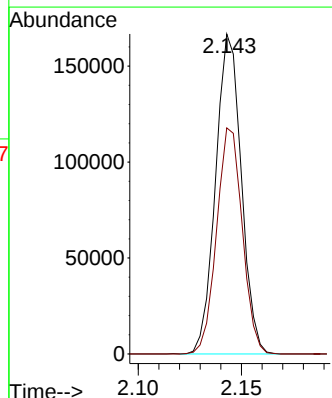
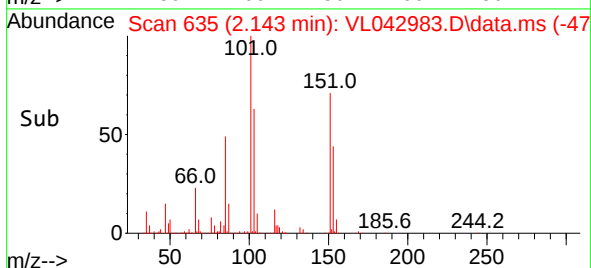
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

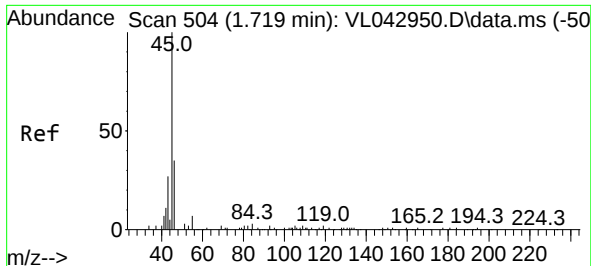


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.809 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14



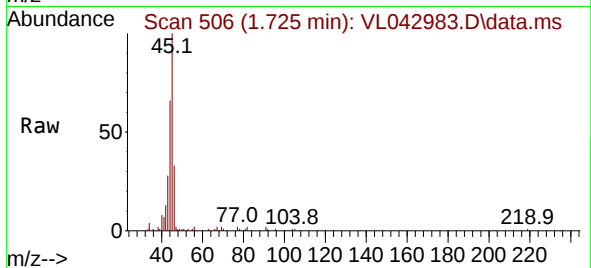
Tgt Ion:101 Resp: 144385
 Ion Ratio Lower Upper
 101 100
 151 70.5 55.7 83.5





#13
Ethanol
Concen: 6.559 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

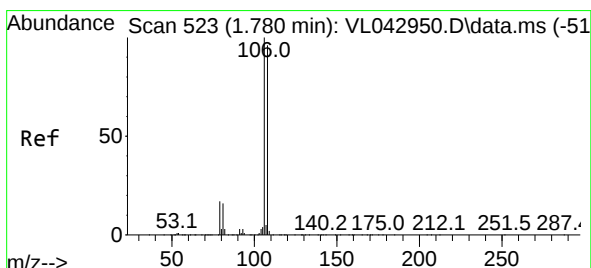
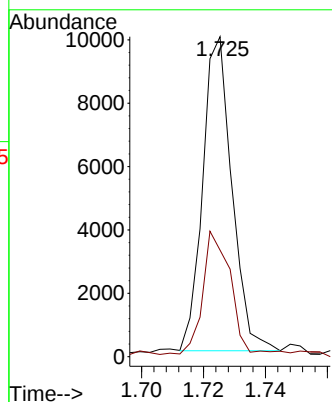
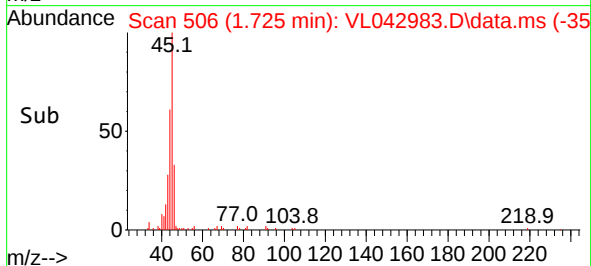
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



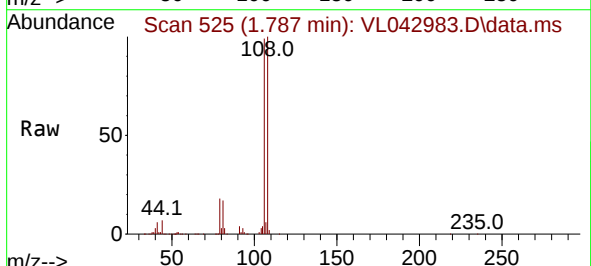
Tgt Ion: 45 Resp: 6504
Ion Ratio Lower Upper
45 100
46 42.8 16.2 64.6

Manual Integrations
APPROVED

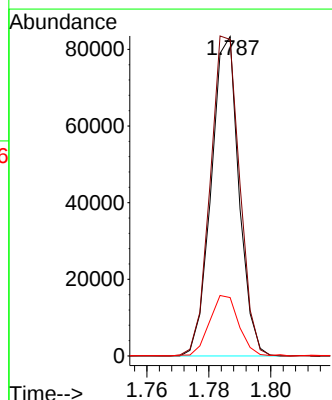
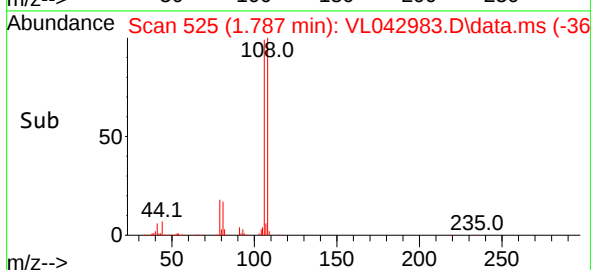
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

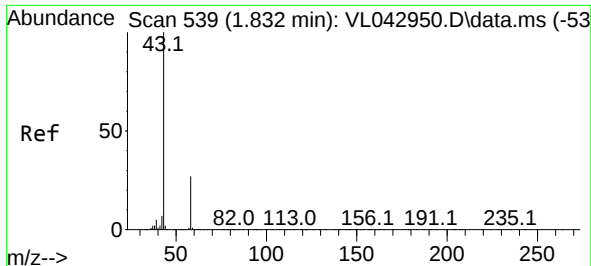


#14
Bromoethene
Concen: 9.295 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion:108 Resp: 51728
Ion Ratio Lower Upper
108 100
106 106.2 86.0 129.0
79 20.5 14.2 21.2





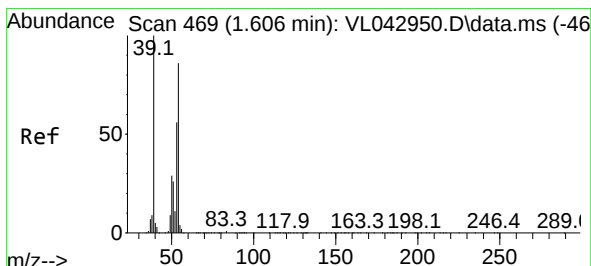
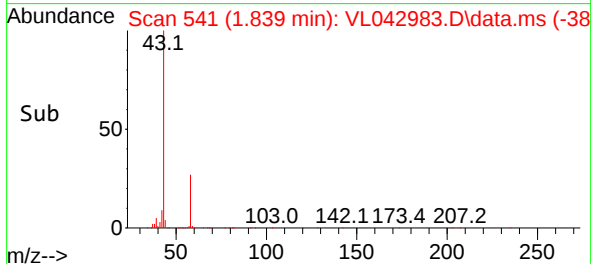
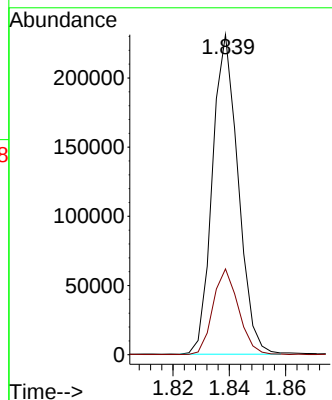
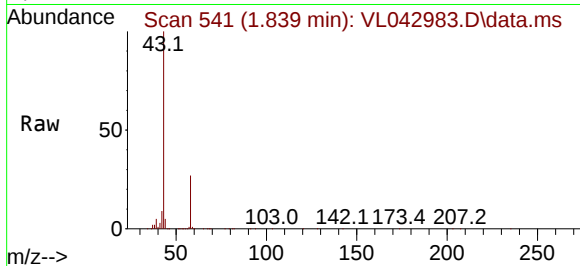
#15
Acetone
Concen: 8.031 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 146609
Ion Ratio Lower Upper
43 100
58 26.8 22.3 33.5

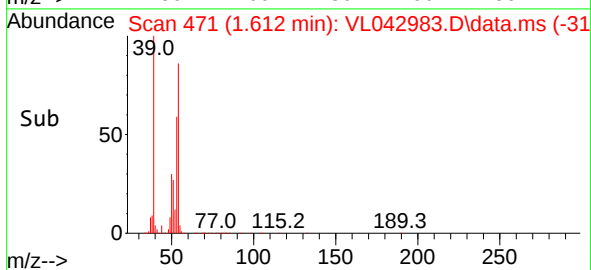
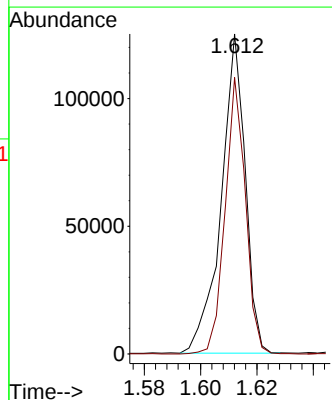
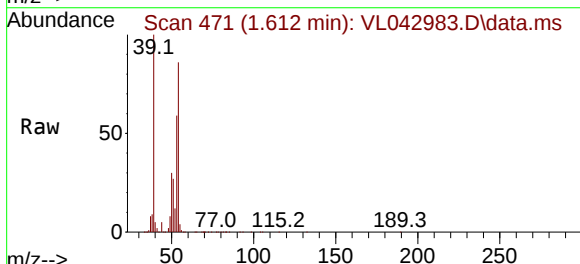
Manual Integrations
APPROVED

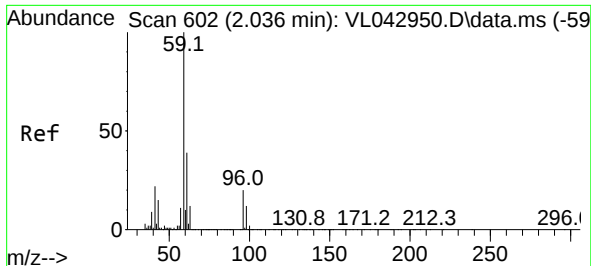
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#16
1,3-Butadiene
Concen: 8.604 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion: 39 Resp: 74090
Ion Ratio Lower Upper
39 100
54 73.1 60.8 91.2





#17

tert-Butyl alcohol

Concen: 8.383 ppbv

RT: 2.043 min Scan# 60

Delta R.T. 0.006 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 167840

Ion Ratio Lower Upper

59 100

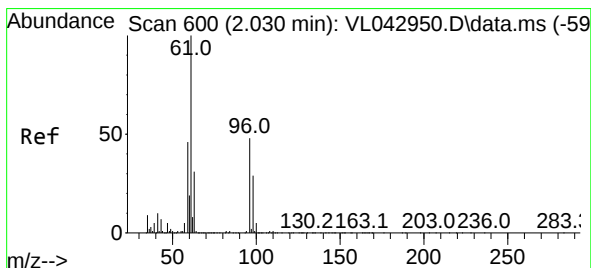
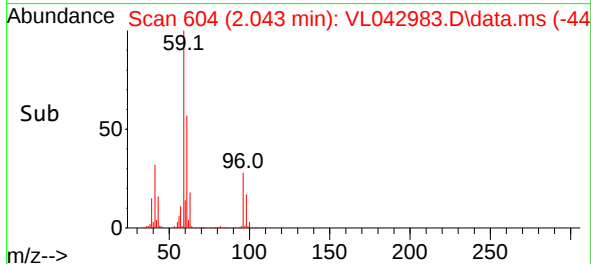
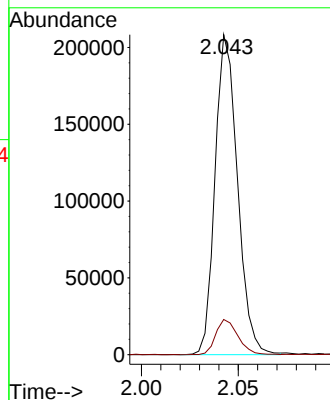
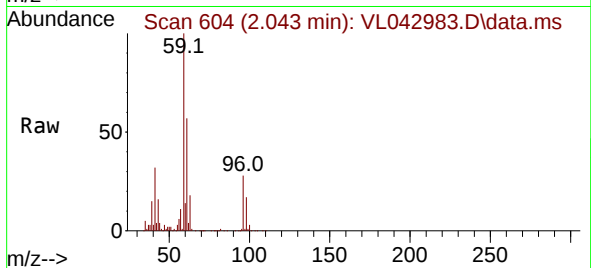
57 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#18

1,1-Dichloroethene

Concen: 9.368 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

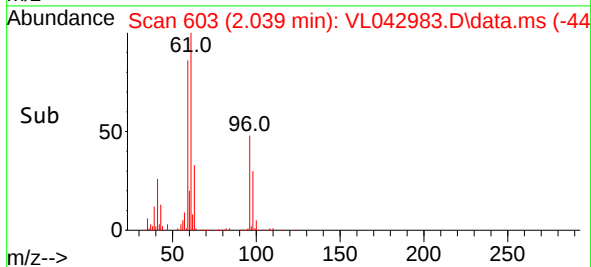
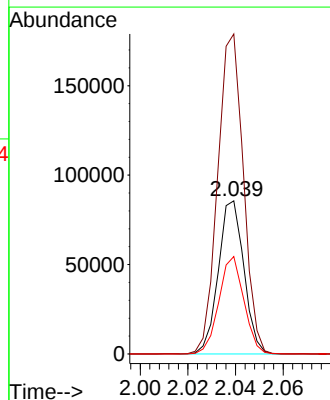
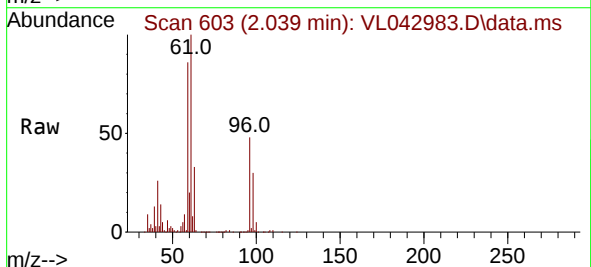
Tgt Ion: 96 Resp: 63829

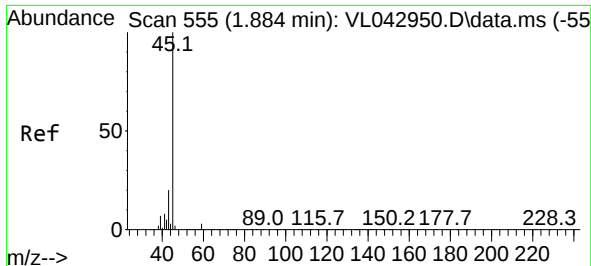
Ion Ratio Lower Upper

96 100

61 209.0 166.2 249.4

98 63.6 48.6 73.0





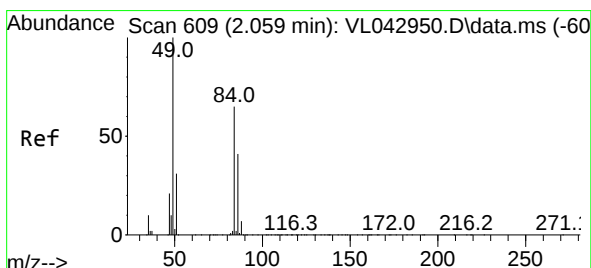
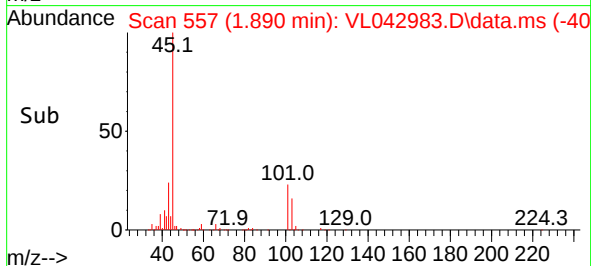
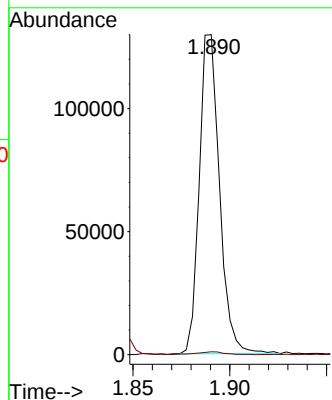
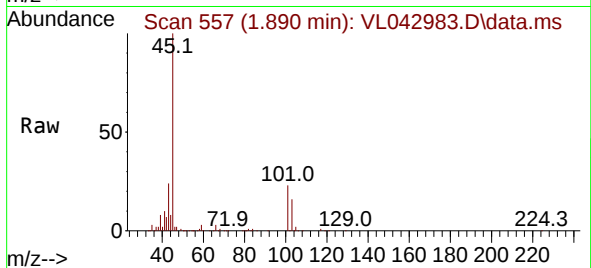
#19
Isopropyl Alcohol
Concen: 8.633 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 94735
Ion Ratio Lower Upper
45 100
58 41.6 31.0 46.6

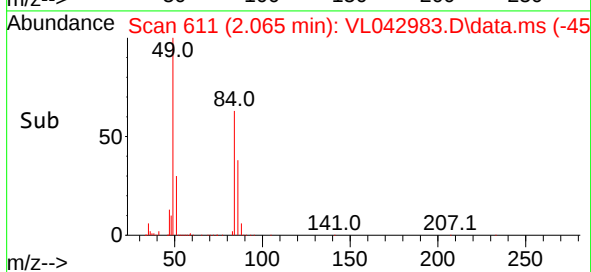
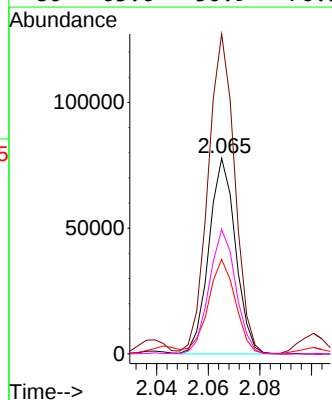
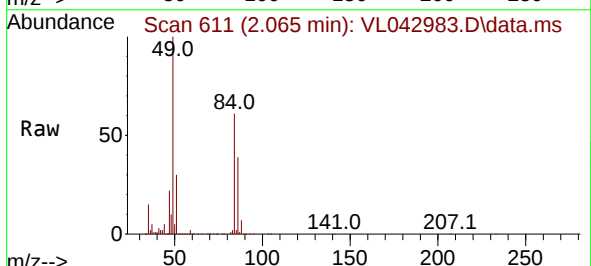
Manual Integrations
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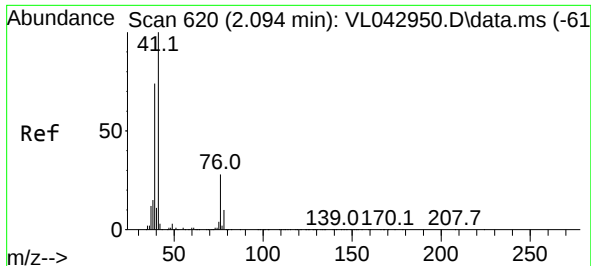
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#20
Methylene Chloride
Concen: 10.264 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion: 84 Resp: 55766
Ion Ratio Lower Upper
84 100
49 163.2 124.1 186.1
51 48.0 39.8 59.8
86 63.6 50.9 76.3





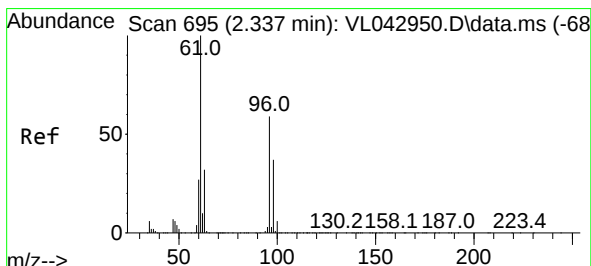
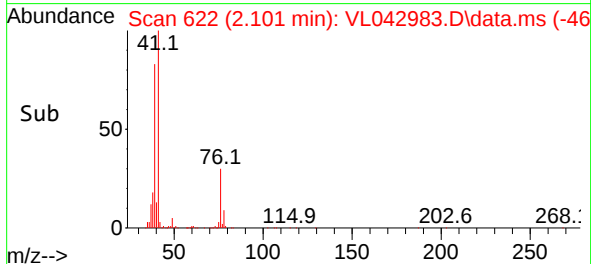
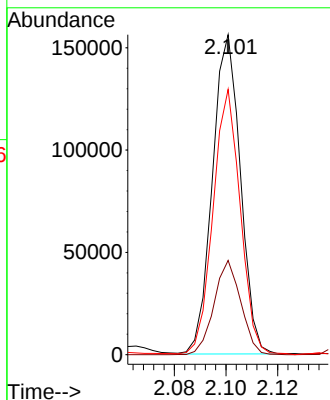
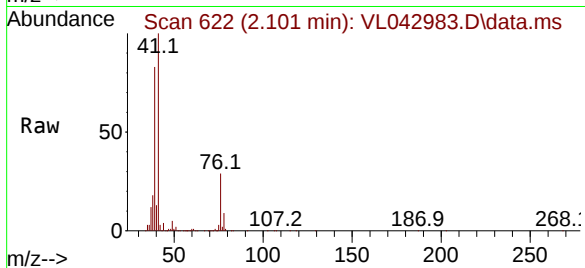
#21
 Allyl Chloride
 Concen: 9.235 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 11741
 Ion Ratio Lower Upper
 41 100
 76 28.2 22.3 33.5
 39 79.9 61.3 91.9

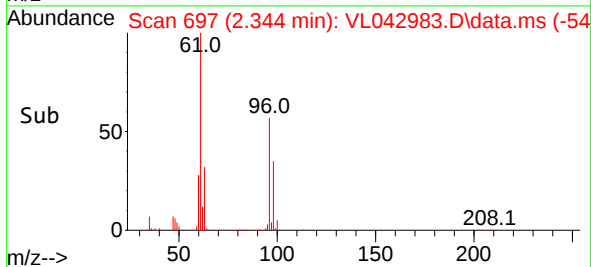
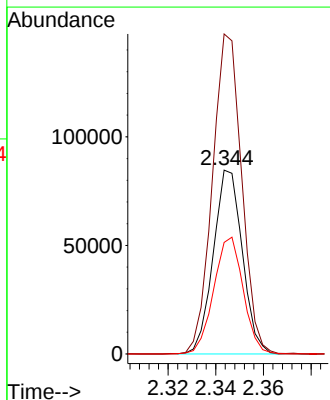
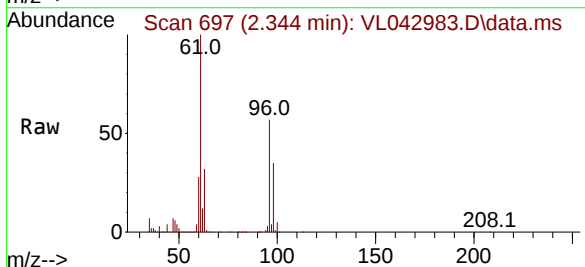
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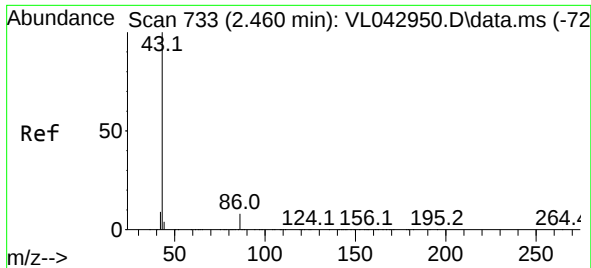
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.260 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

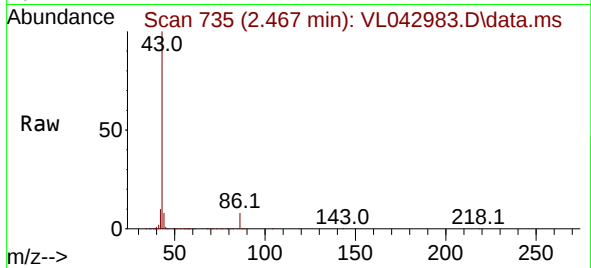
Tgt Ion: 96 Resp: 71690
 Ion Ratio Lower Upper
 96 100
 61 173.9 136.5 204.7
 98 60.6 50.6 76.0





#23
 Vinyl Acetate
 Concen: 8.857 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.006 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

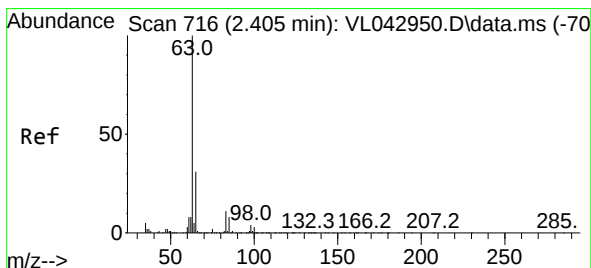
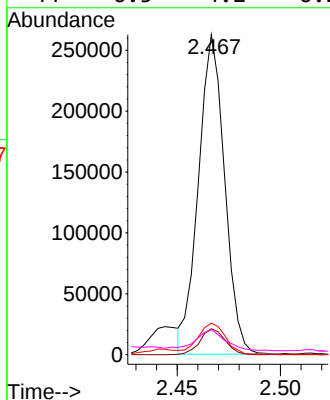
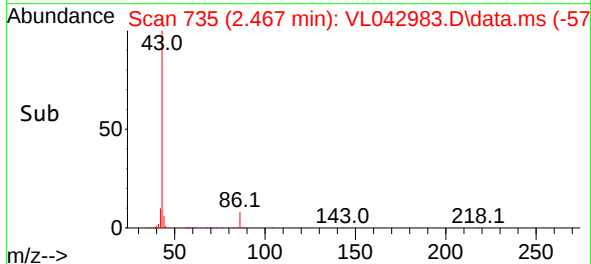
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 43 Resp: 230988
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.2 9.2
 42 9.8 7.4 11.0
 44 6.5 4.2 6.2#

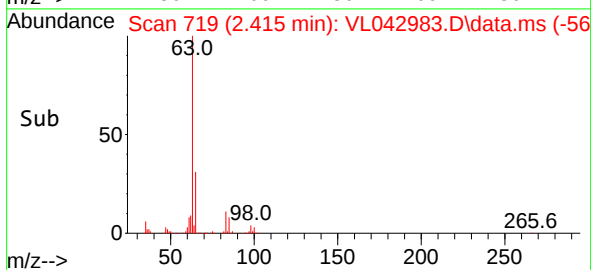
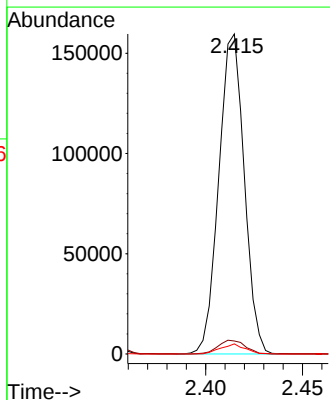
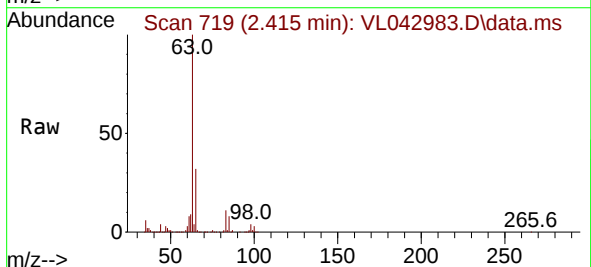
Manual Integrations
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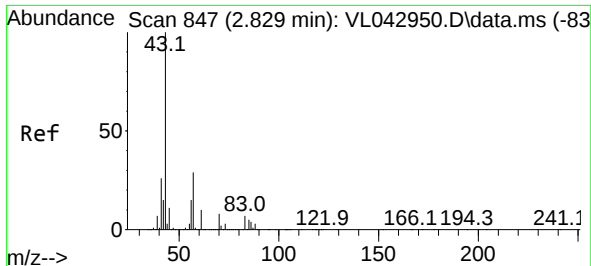
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#24
 1,1-Dichloroethane
 Concen: 9.596 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.010 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

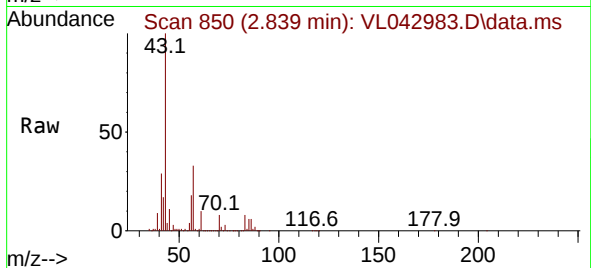
Tgt Ion: 63 Resp: 145685
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.2 6.6
 100 3.1 1.4 4.0





#25
Ethyl Acetate
Concen: 9.170 ppbv
RT: 2.839 min Scan# 847
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

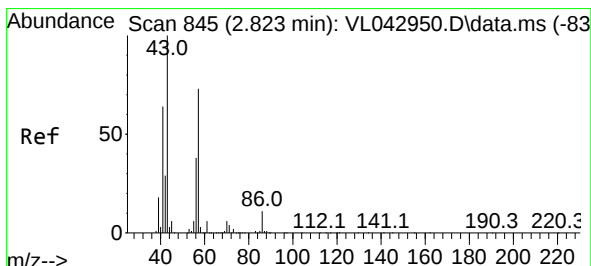
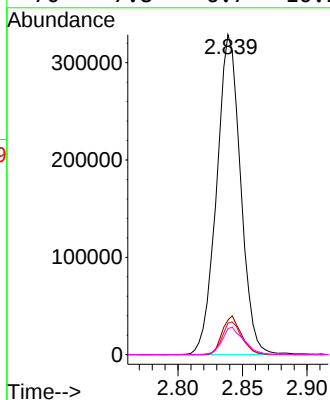
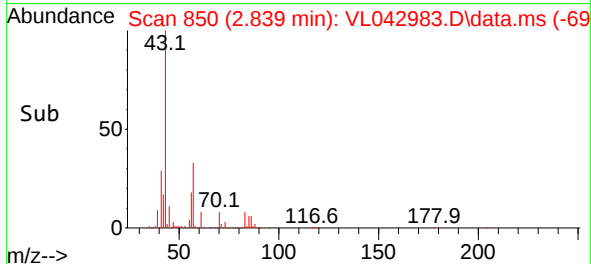
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 42310
Ion Ratio Lower Upper
43 100
45 9.8 7.7 11.5
61 8.7 7.1 10.7
70 7.8 6.7 10.1

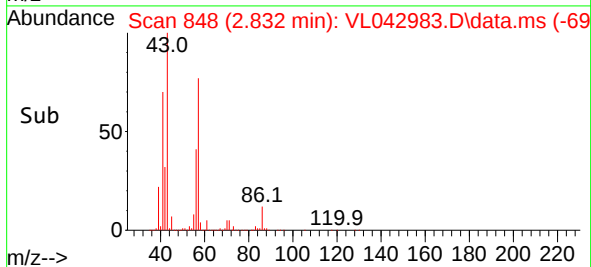
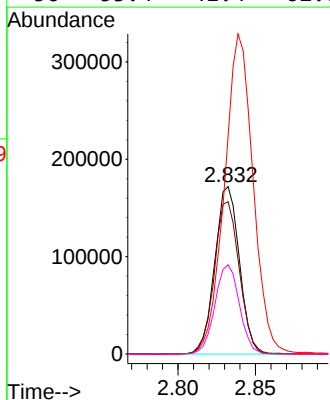
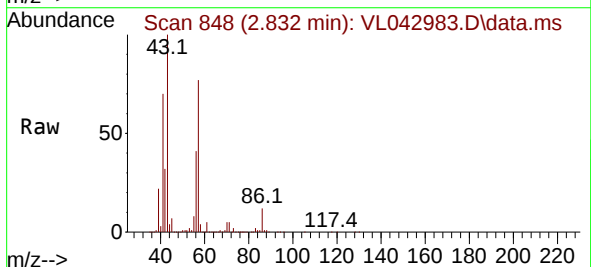
Manual Integrations
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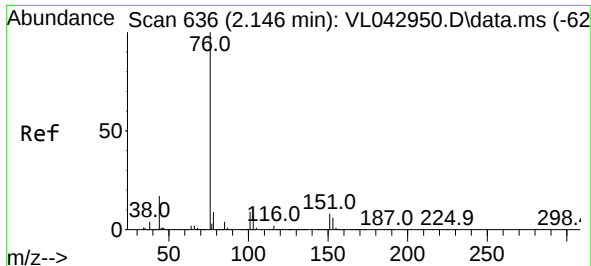
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#26
Hexane
Concen: 8.959 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

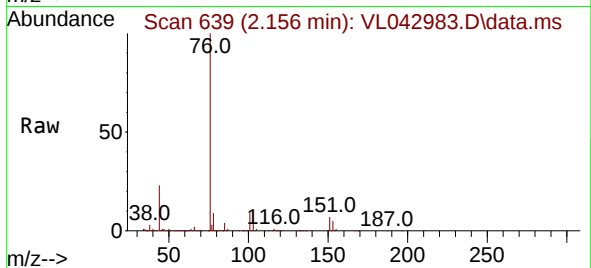
Tgt Ion: 57 Resp: 188410
Ion Ratio Lower Upper
57 100
41 93.9 71.7 107.5
43 225.3 180.8 271.2
56 53.4 41.4 62.0





#27
Carbon Disulfide
Concen: 9.019 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

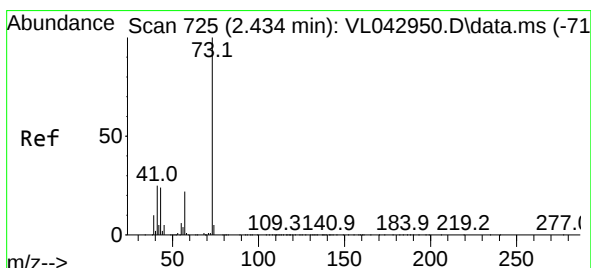
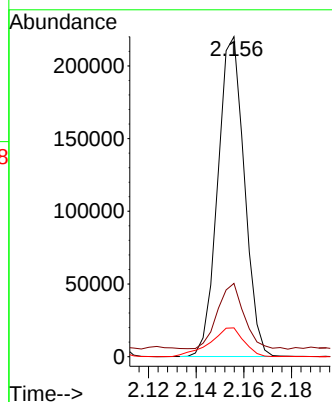
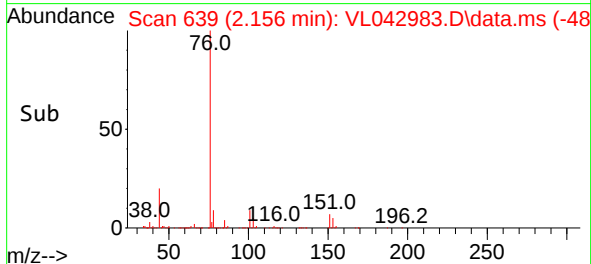
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



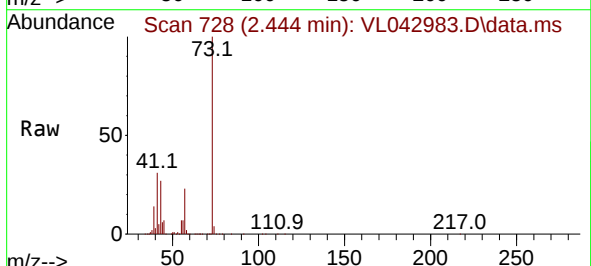
Tgt Ion: 76 Resp: 17012
Ion Ratio Lower Upper
76 100
44 21.9 15.6 23.4
78 11.6 8.9 13.3

Manual Integrations
APPROVED

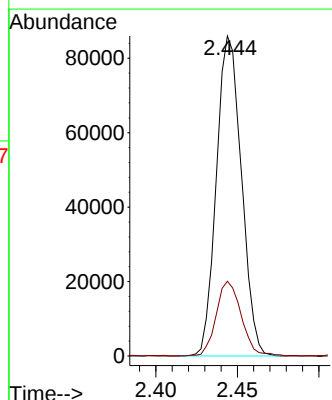
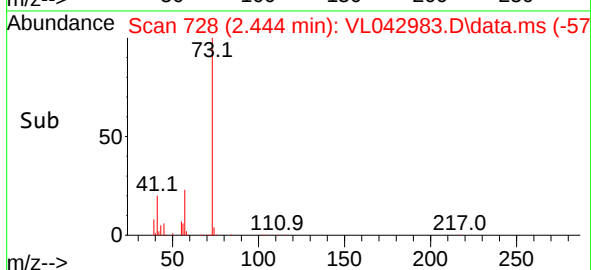
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

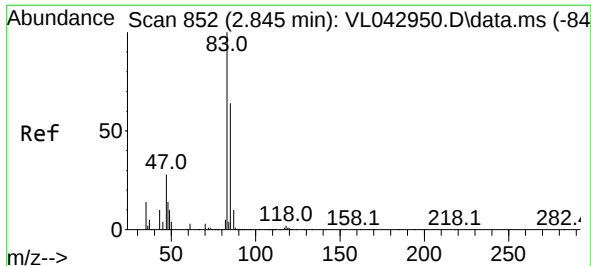


#28
Methyl tert-Butyl Ether
Concen: 8.393 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion: 73 Resp: 91757
Ion Ratio Lower Upper
73 100
57 23.5 20.6 31.0





#29

Chloroform

Concen: 10.239 ppbv

RT: 2.855 min Scan# 852

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 281560

Ion Ratio Lower Upper

83 100

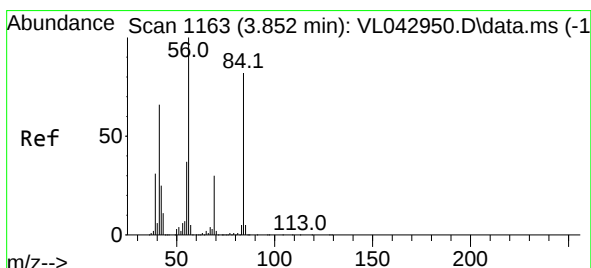
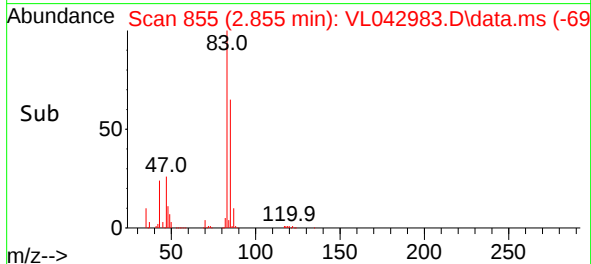
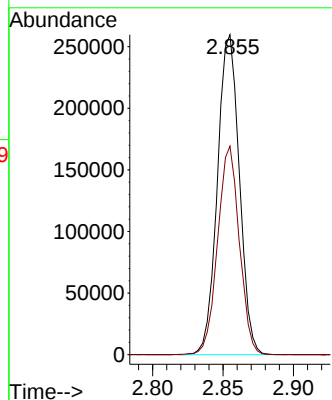
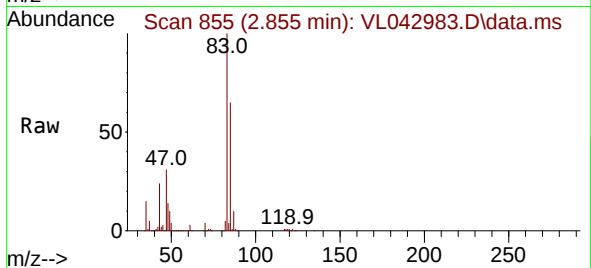
85 65.1 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#30

Cyclohexane

Concen: 9.022 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

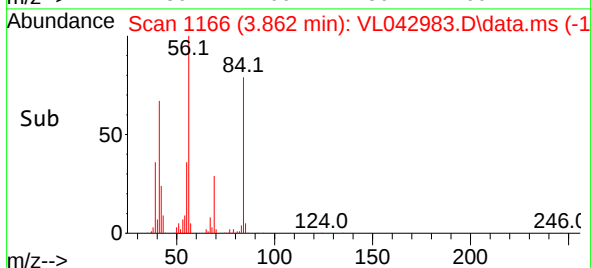
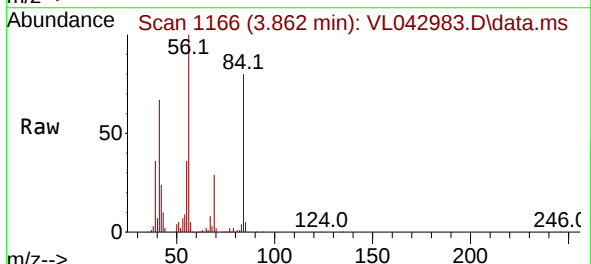
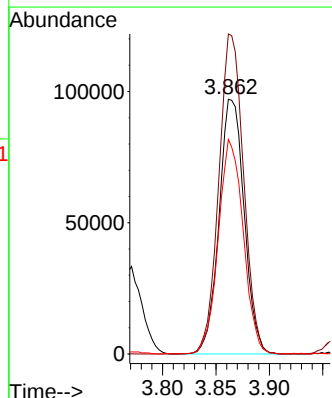
Tgt Ion: 84 Resp: 158650

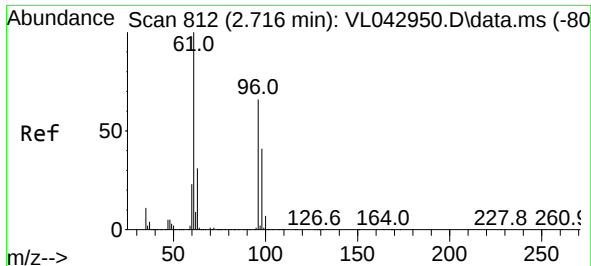
Ion Ratio Lower Upper

84 100

56 123.9 102.2 153.4

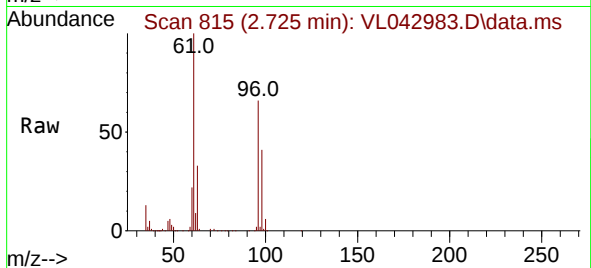
41 83.8 65.6 98.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.555 ppbv
 RT: 2.725 min Scan# 812
 Delta R.T. 0.010 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

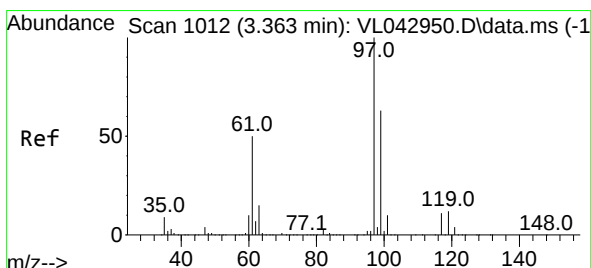
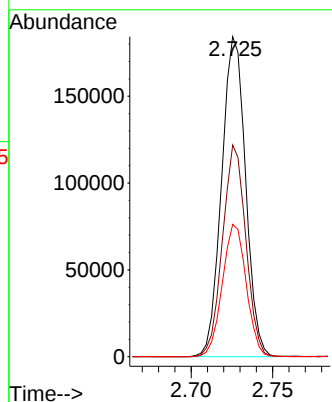
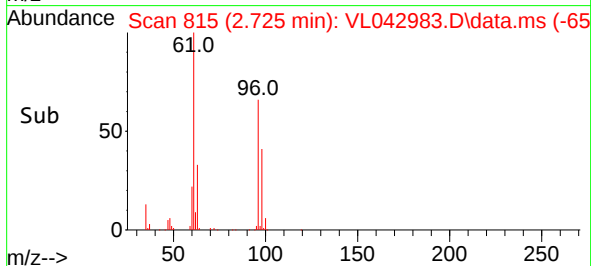
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



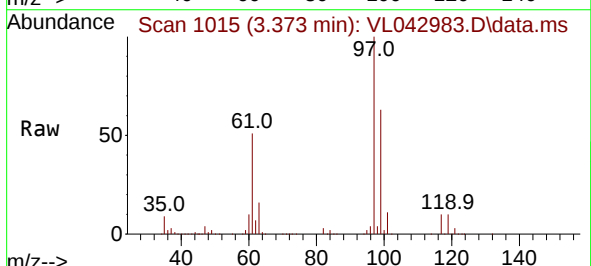
Tgt Ion: 61 Resp: 188239
 Ion Ratio Lower Upper
 61 100
 96 66.2 53.0 79.6
 98 41.4 32.9 49.3

Manual Integrations
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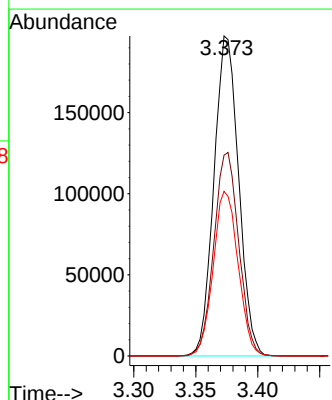
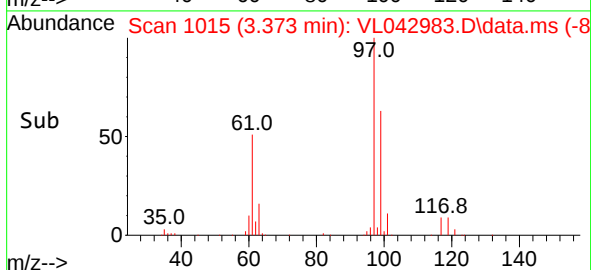
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

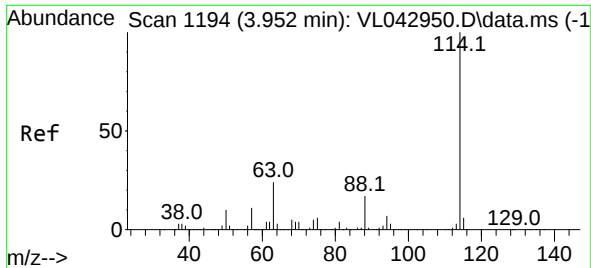


#32
 1,1,1-Trichloroethane
 Concen: 9.228 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14



Tgt Ion: 97 Resp: 274087
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 52.0 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.013 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 397600

Ion Ratio Lower Upper

114 100

63 25.6 19.4 29.2

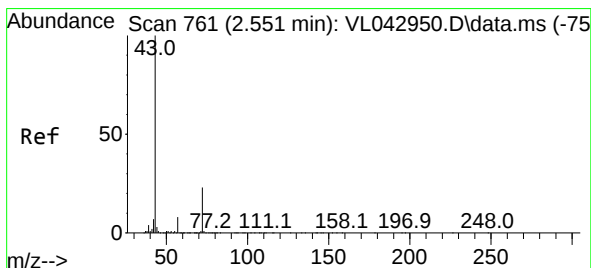
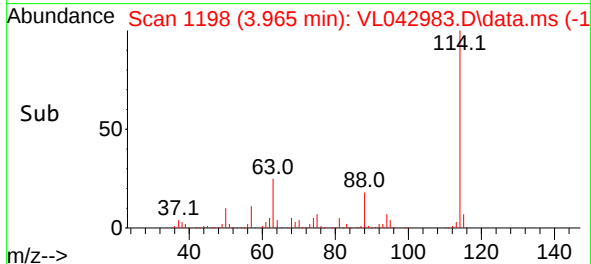
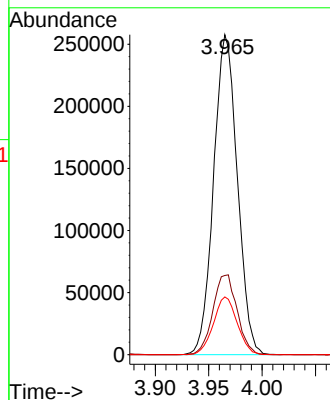
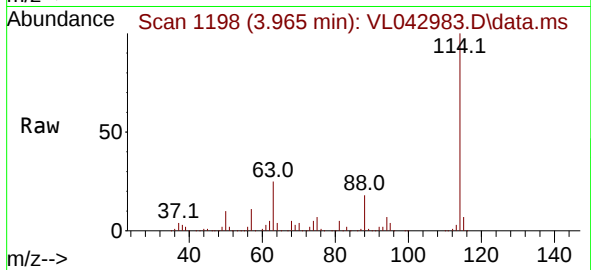
88 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#34

2-Butanone

Concen: 10.023 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.010 min

Lab File: VL042983.D

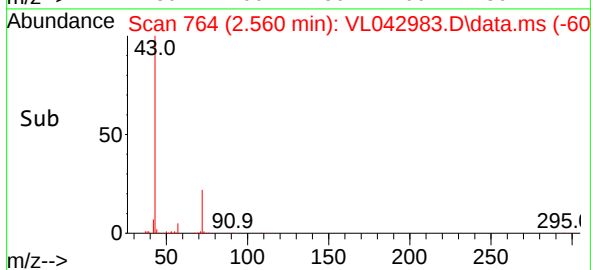
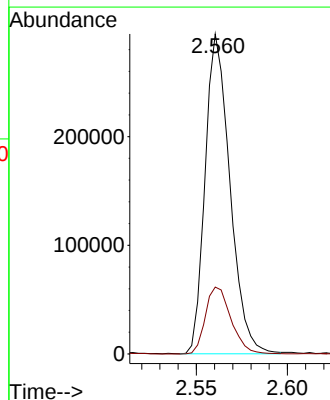
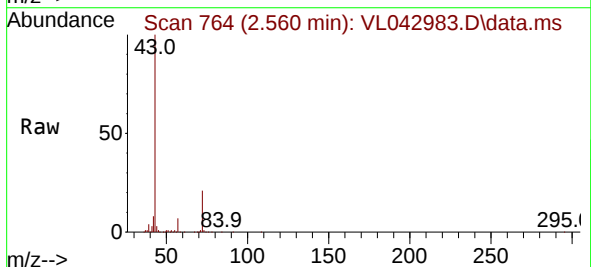
Acq: 23 Sep 2025 09:14

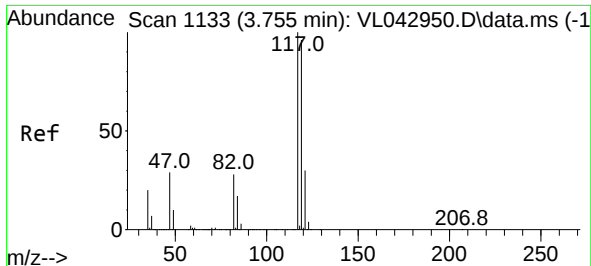
Tgt Ion: 43 Resp: 279284

Ion Ratio Lower Upper

43 100

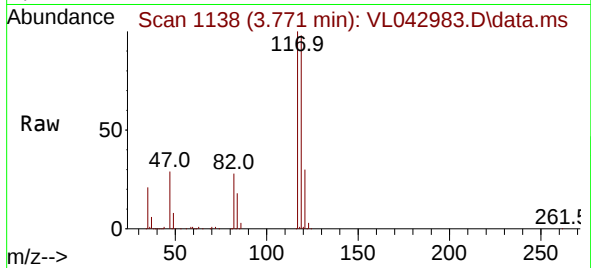
72 21.7 17.7 26.5





#35
Carbon Tetrachloride
Concen: 10.791 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

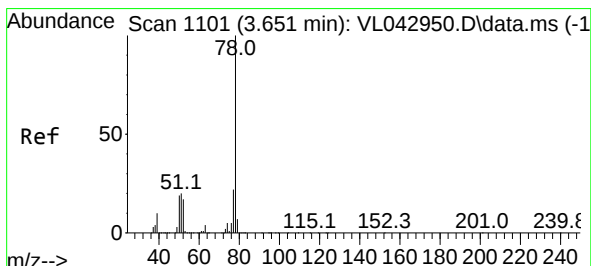
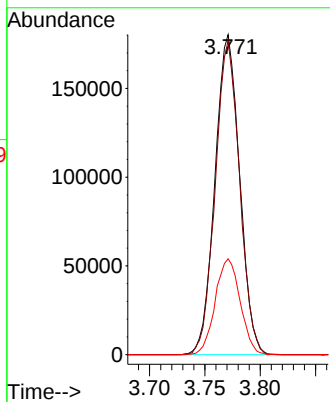
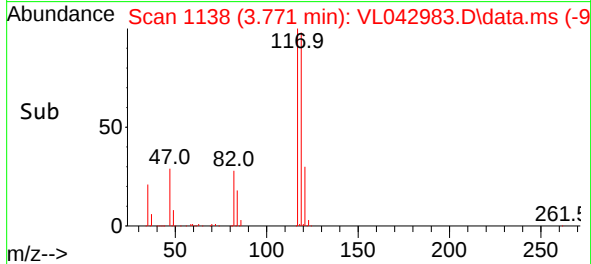
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



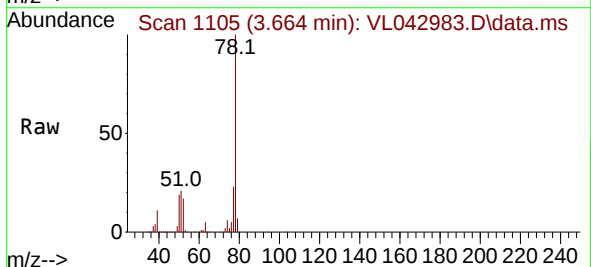
Tgt Ion:117 Resp: 279340
Ion Ratio Lower Upper
117 100
119 98.0 76.9 115.3
121 30.0 23.7 35.5

Manual Integrations
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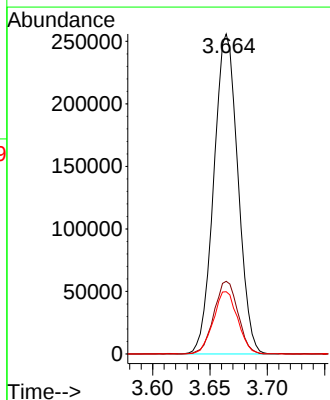
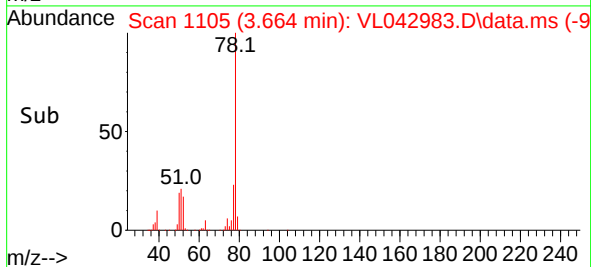
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

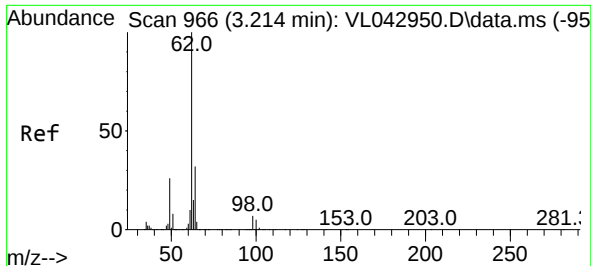


#36
Benzene
Concen: 10.014 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion: 78 Resp: 373905
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.6
50 19.5 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.424 ppbv

RT: 3.224 min Scan# 90

Delta R.T. 0.010 min

Lab File: VL042983.D

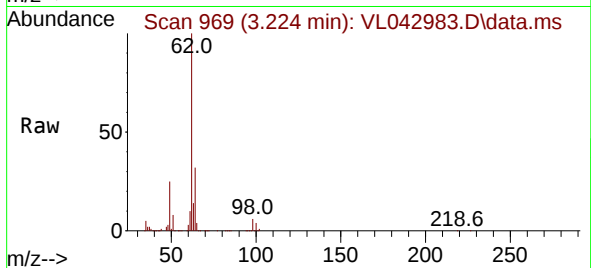
Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 62 Resp: 224338

Ion Ratio Lower Upper

62 100

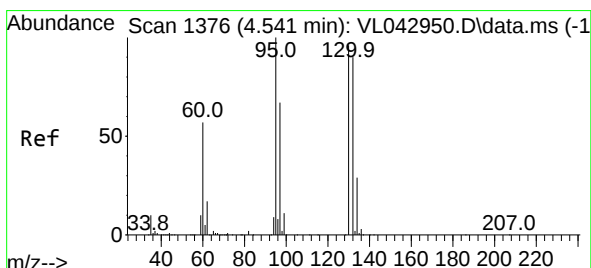
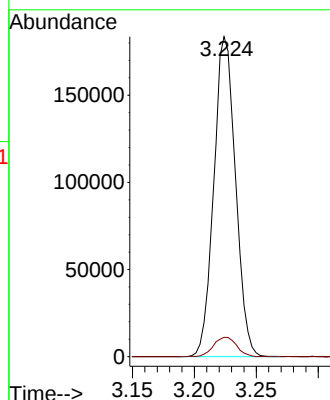
98 6.5 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#38

Trichloroethene

Concen: 9.427 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.016 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Tgt Ion:130 Resp: 174937

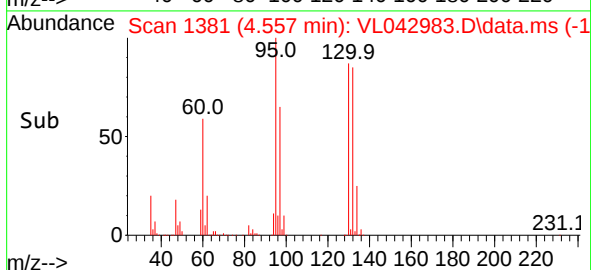
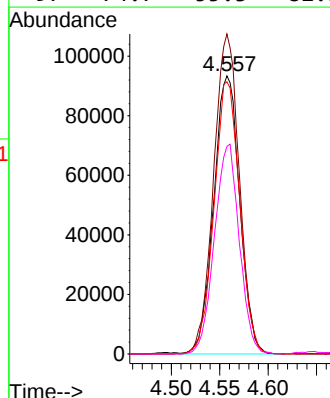
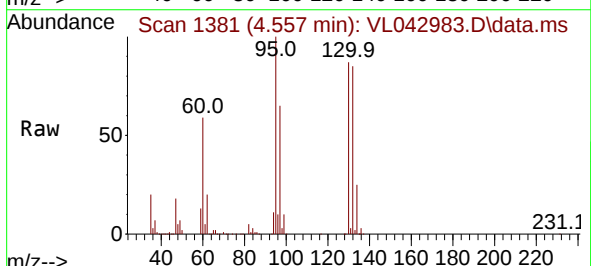
Ion Ratio Lower Upper

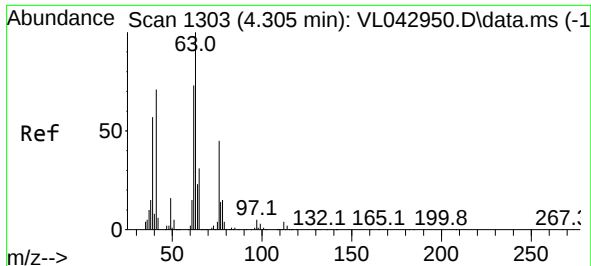
130 100

95 115.0 83.0 124.4

132 97.9 74.6 112.0

97 74.7 55.3 82.9





#39

1,2-Dichloropropane

Concen: 10.186 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.019 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

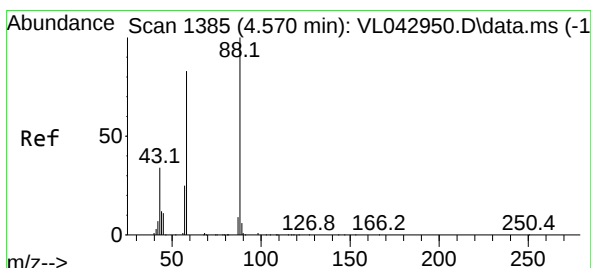
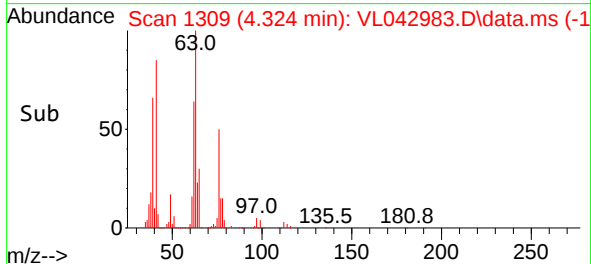
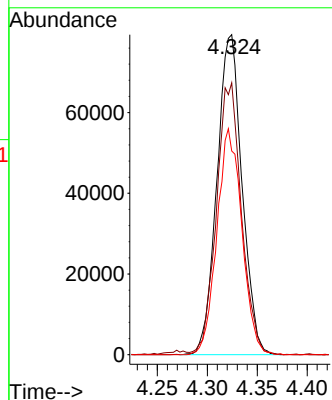
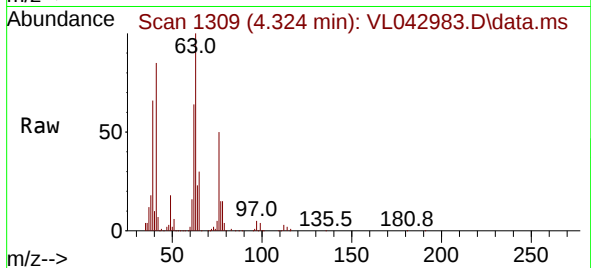
Tgt Ion: 63 Resp: 13884

Ion	Ratio	Lower	Upper
63	100		
41	84.8	57.5	86.3
62	63.6	58.5	87.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#40

1,4-Dioxane

Concen: 9.285 ppbv

RT: 4.587 min Scan# 1390

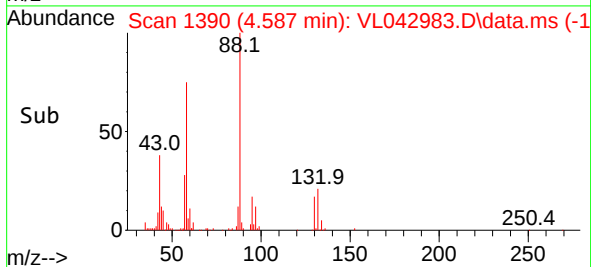
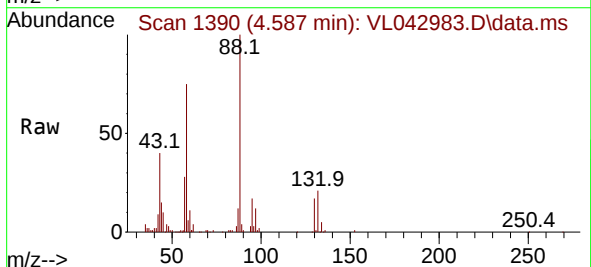
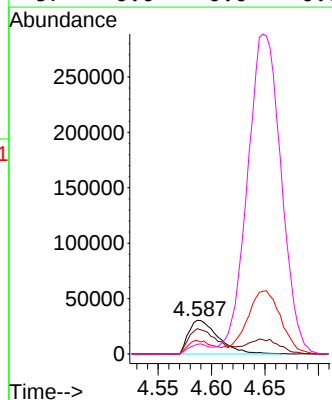
Delta R.T. 0.016 min

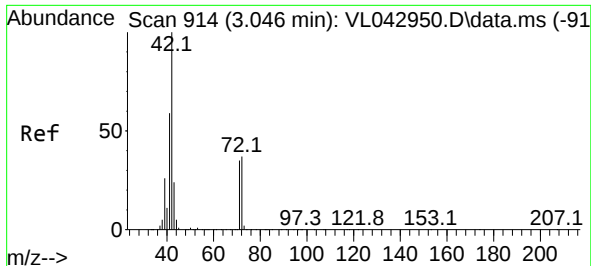
Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Tgt Ion: 88 Resp: 58847

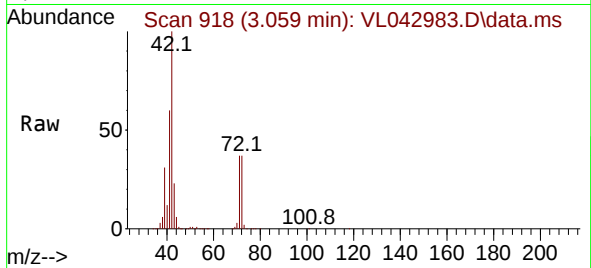
Ion	Ratio	Lower	Upper
88	100		
58	77.3	59.7	89.5
43	34.7	28.9	43.3
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.498 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

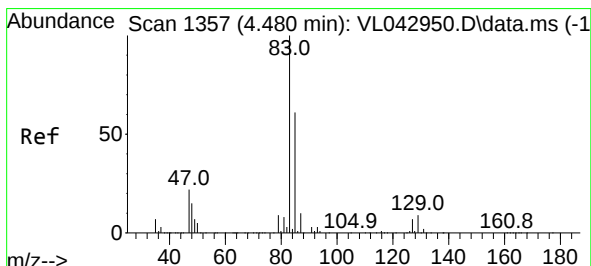
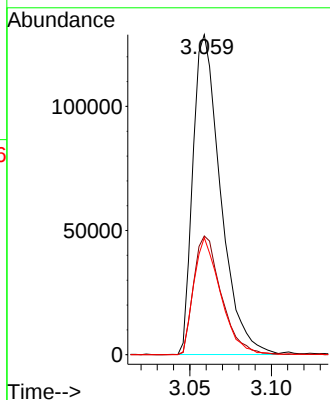
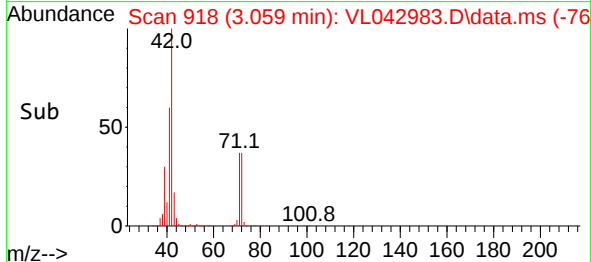
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



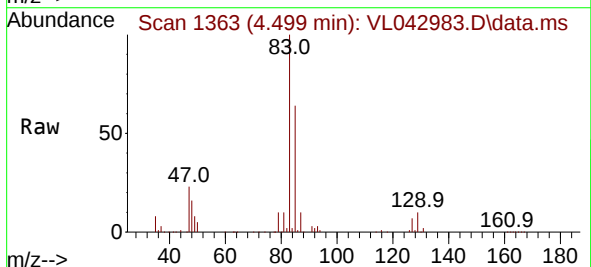
Tgt Ion: 42 Resp: 152129
Ion Ratio Lower Upper
42 100
72 37.5 30.0 45.0
71 35.7 28.8 43.2

Manual Integrations
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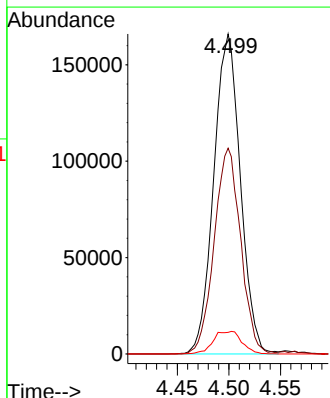
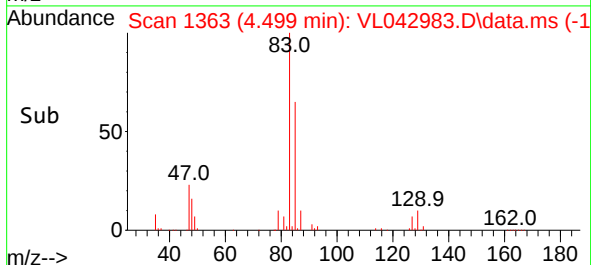
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

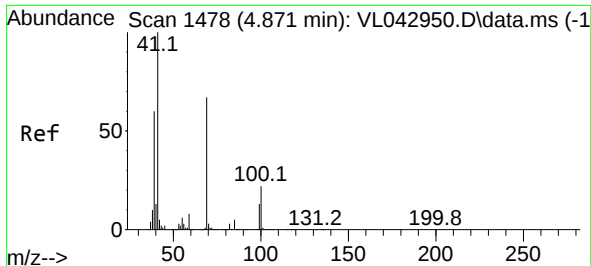


#42
Bromodichloromethane
Concen: 10.891 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.019 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion: 83 Resp: 297856
Ion Ratio Lower Upper
83 100
85 64.2 49.0 73.6
127 6.8 5.3 7.9





#43

Methyl Methacrylate

Concen: 9.394 ppbv

RT: 4.891 min Scan# 1478

Delta R.T. 0.019 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 143508

Ion Ratio Lower Upper

69 100

41 153.8 124.5 186.7

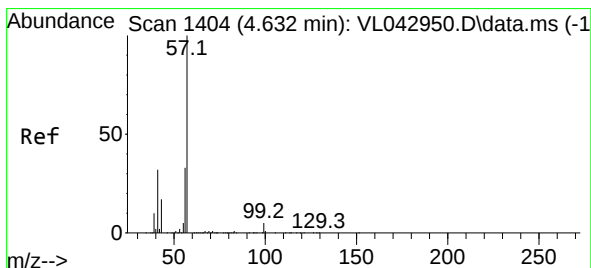
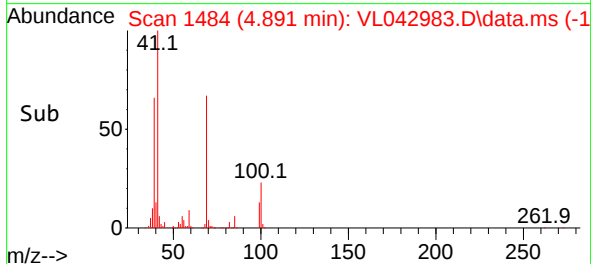
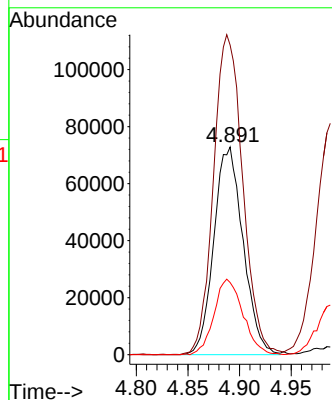
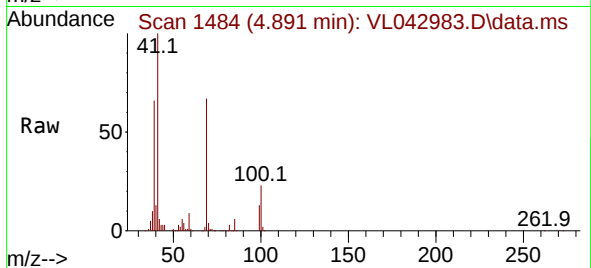
100 35.9 29.0 43.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#44

2,2,4-Trimethylpentane

Concen: 9.887 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.016 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

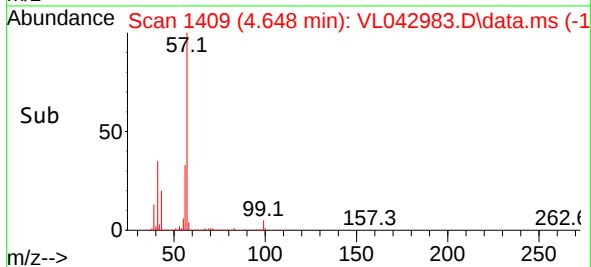
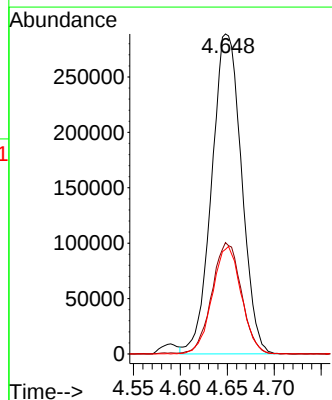
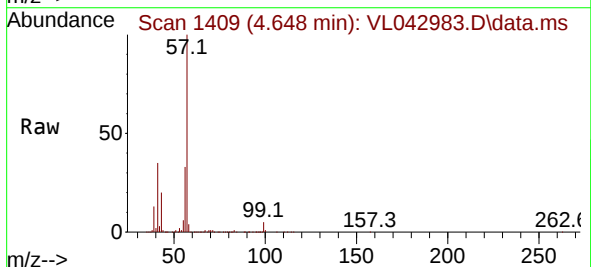
Tgt Ion: 57 Resp: 637574

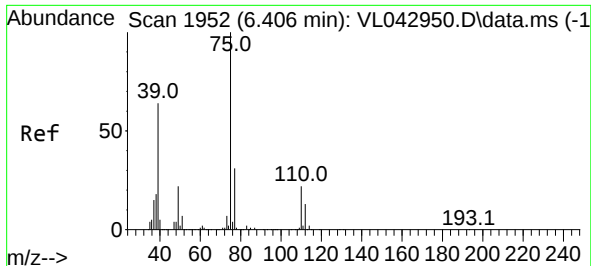
Ion Ratio Lower Upper

57 100

41 34.6 25.5 38.3

56 32.7 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 9.169 ppbv

RT: 6.428 min Scan# 149384

Delta R.T. 0.023 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 149384

Ion Ratio Lower Upper

75 100

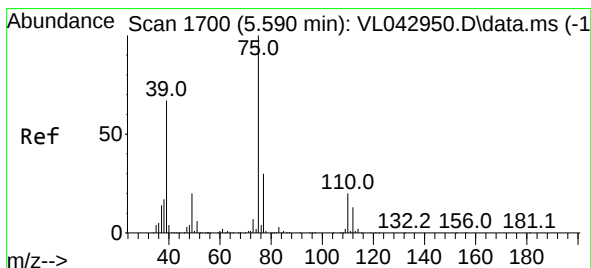
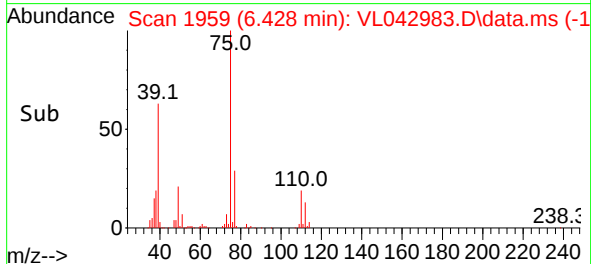
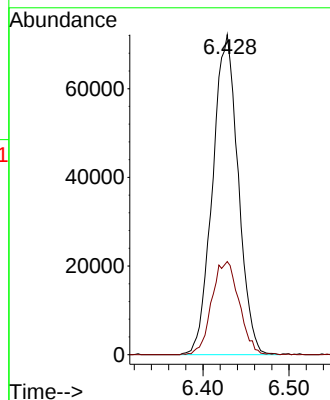
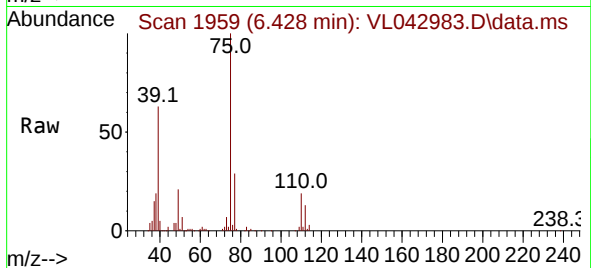
77 29.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#46

cis-1,3-Dichloropropene

Concen: 9.498 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.023 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

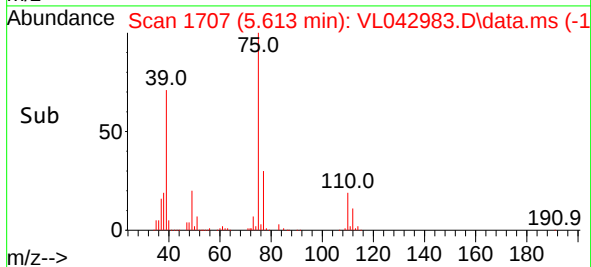
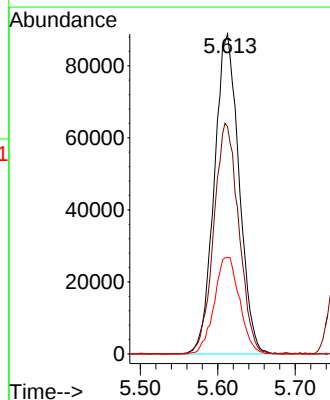
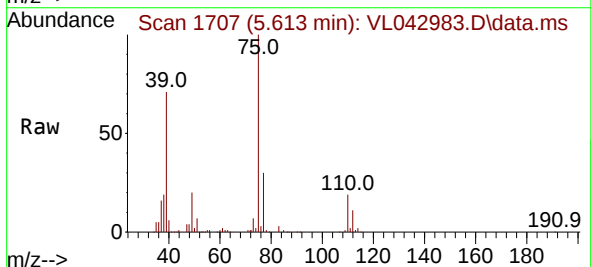
Tgt Ion: 75 Resp: 197209

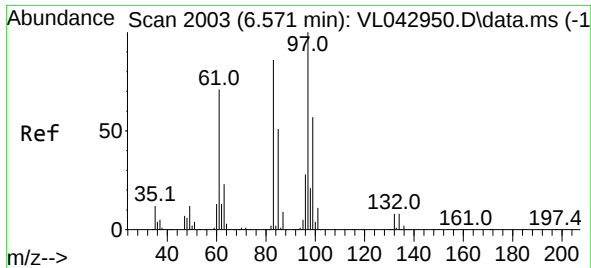
Ion Ratio Lower Upper

75 100

39 70.8 53.8 80.6

77 30.2 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 10.149 ppbv

RT: 6.590 min Scan# 2003

Delta R.T. 0.019 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 14617

Ion Ratio Lower Upper

97 100

83 84.7 68.7 103.1

85 52.5 40.6 60.8

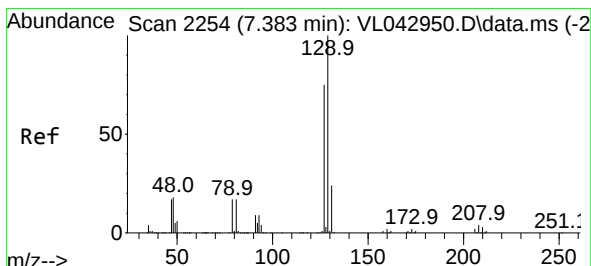
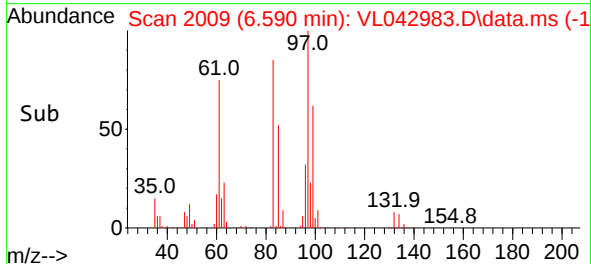
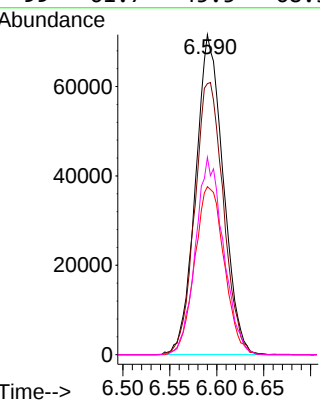
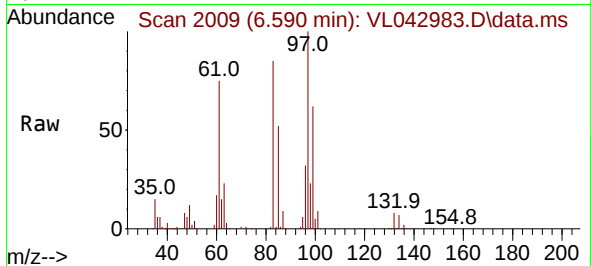
99 61.7 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#48

Dibromochloromethane

Concen: 10.500 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.013 min

Lab File: VL042983.D

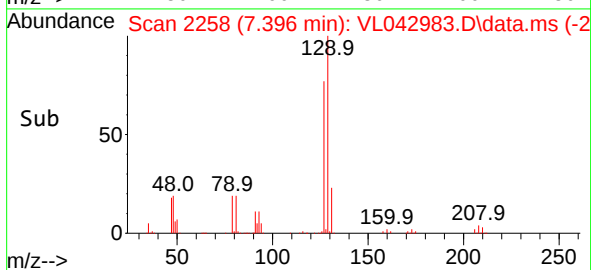
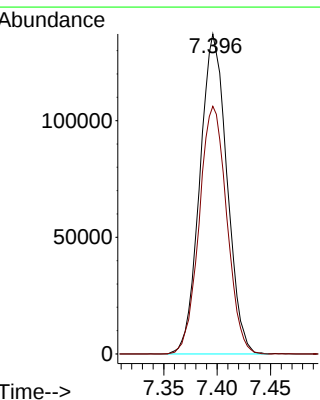
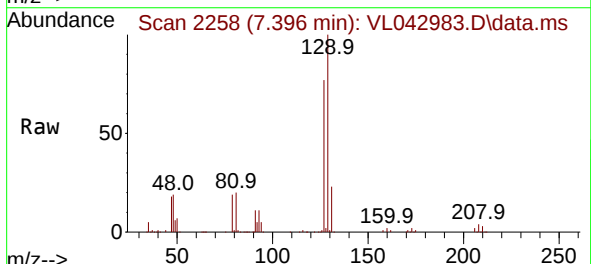
Acq: 23 Sep 2025 09:14

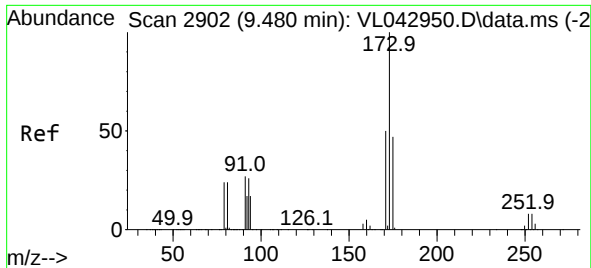
Tgt Ion:129 Resp: 241948

Ion Ratio Lower Upper

129 100

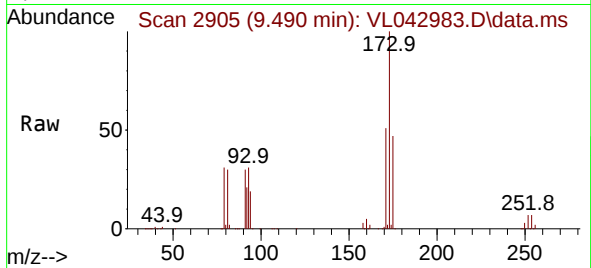
127 78.6 39.1 117.2





#49
Bromoform
Concen: 10.047 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

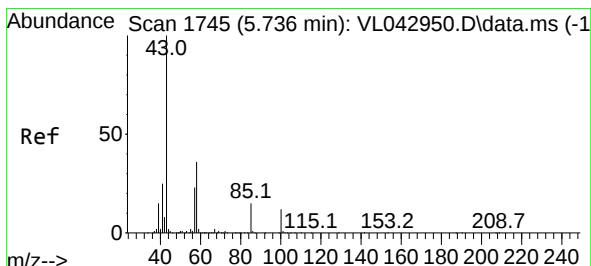
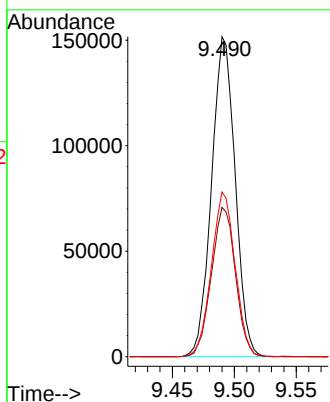
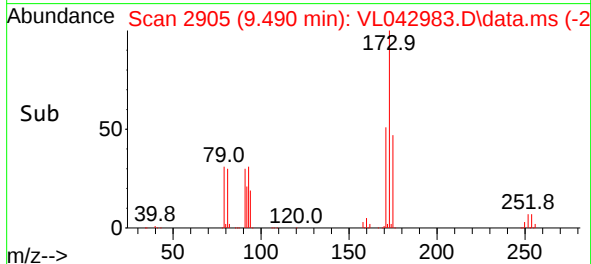
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



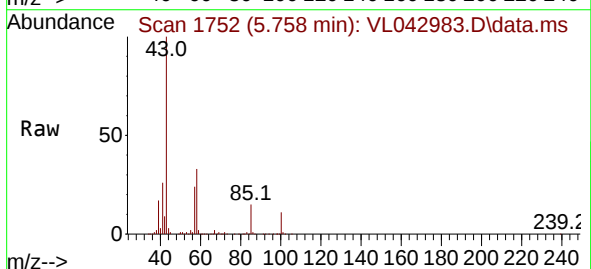
Tgt Ion:173 Resp: 20137
Ion Ratio Lower Upper
173 100
175 47.6 37.9 56.9
171 51.8 41.1 61.7

Manual Integrations
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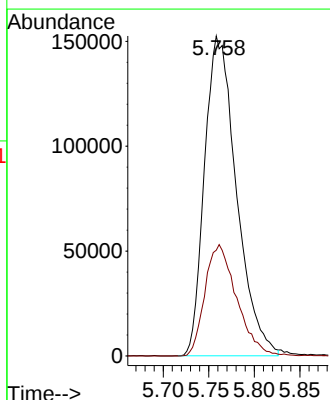
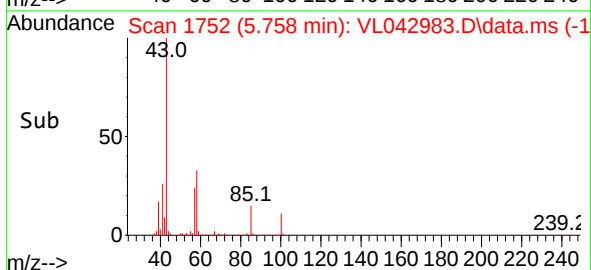
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

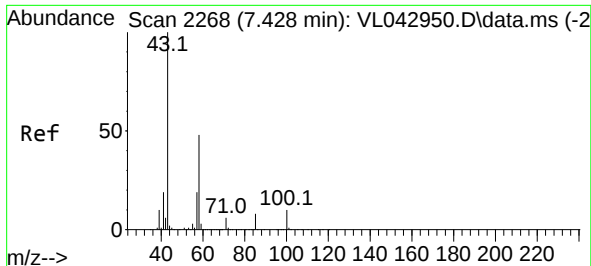


#50
4-Methyl-2-Pentanone
Concen: 9.951 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.023 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



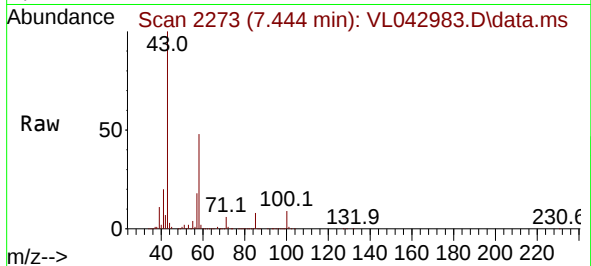
Tgt Ion: 43 Resp: 371641
Ion Ratio Lower Upper
43 100
58 34.8 28.4 42.6





#51
2-Hexanone
Concen: 10.057 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

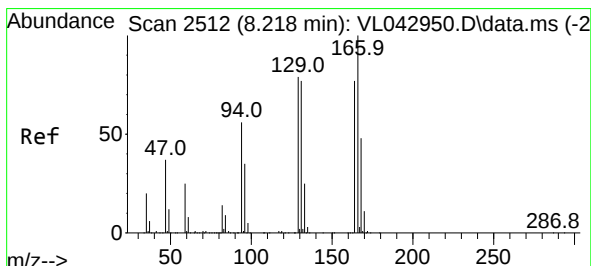
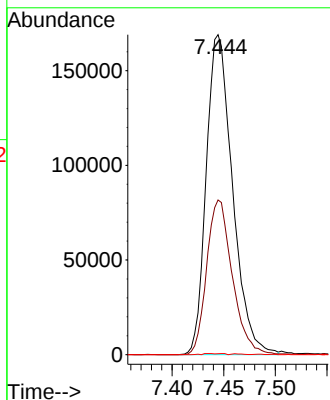
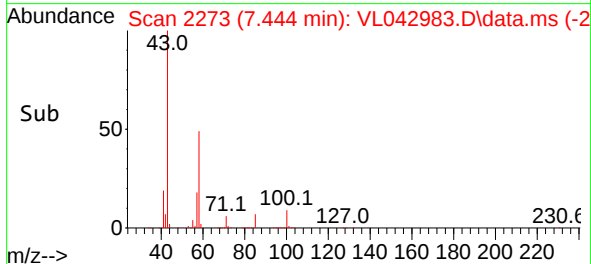
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 299390
Ion Ratio Lower Upper
43 100
58 47.3 39.7 59.5
98 0.3 0.1 0.1

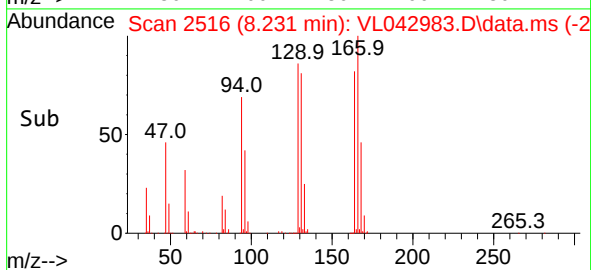
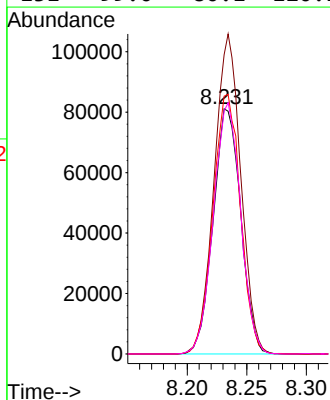
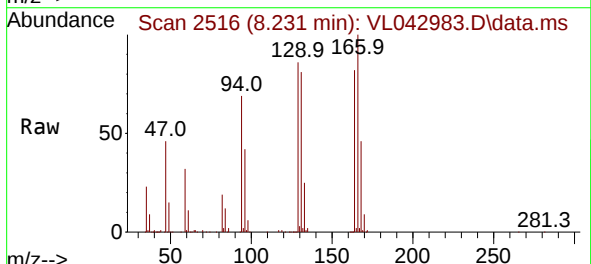
Manual Integrations
APPROVED

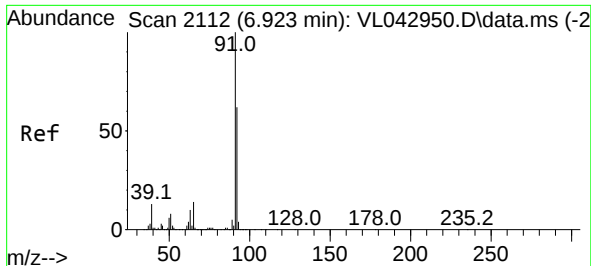
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#52
Tetrachloroethene
Concen: 9.033 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion:164 Resp: 130498
Ion Ratio Lower Upper
164 100
166 122.1 103.5 155.3
129 105.0 82.2 123.4
131 99.0 80.1 120.1





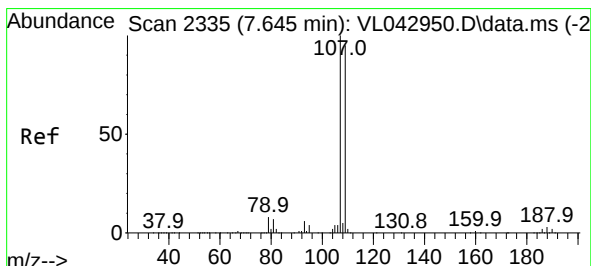
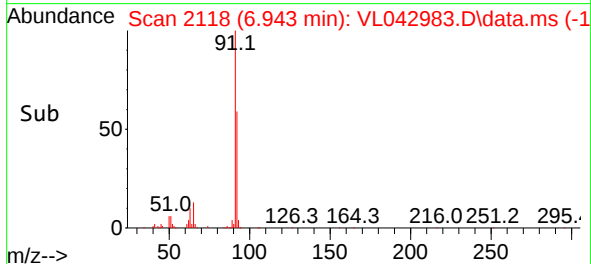
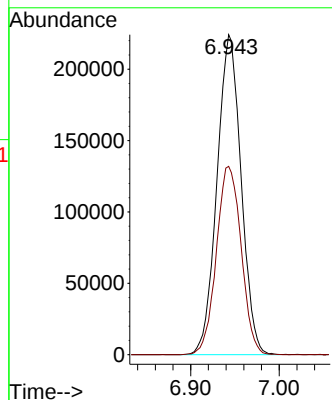
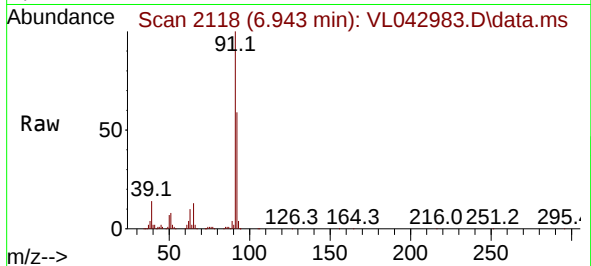
#53
Toluene
Concen: 9.612 ppbv
RT: 6.943 min Scan# 2112
Delta R.T. 0.019 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 42475
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.2

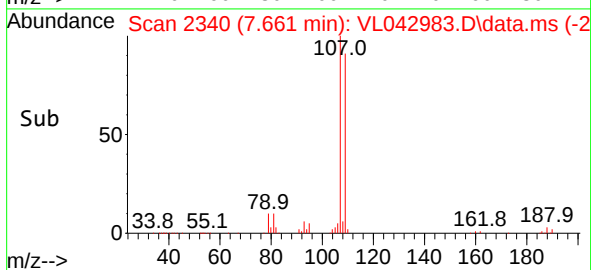
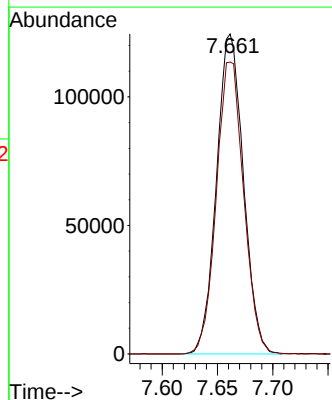
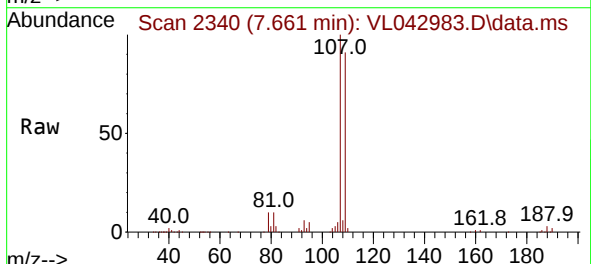
Manual Integrations
APPROVED

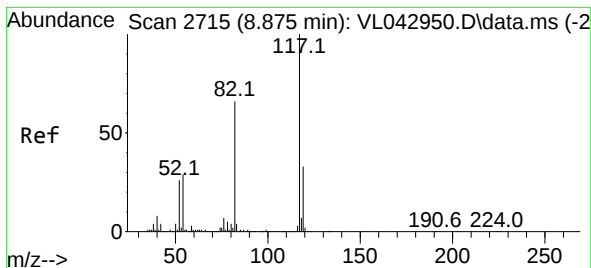
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#54
1,2-Dibromoethane
Concen: 10.396 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.016 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion:107 Resp: 210744
Ion Ratio Lower Upper
107 100
109 91.2 75.8 113.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.013 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

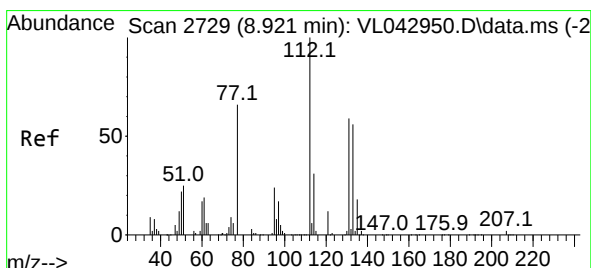
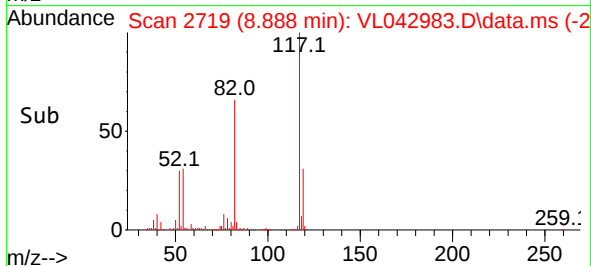
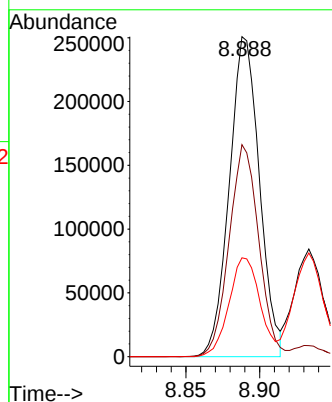
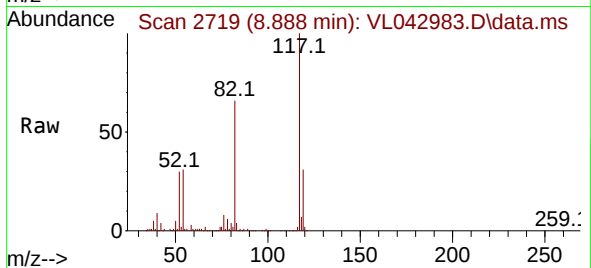
VSTDCCC010

Tgt Ion:	117	Resp:	356928
Ion Ratio	Lower	Upper	
117	100		
82	68.6	52.8	79.2
119	31.1	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.604 ppbv

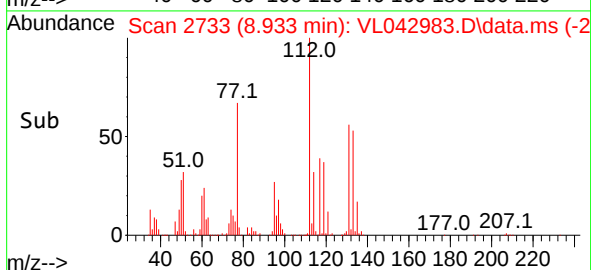
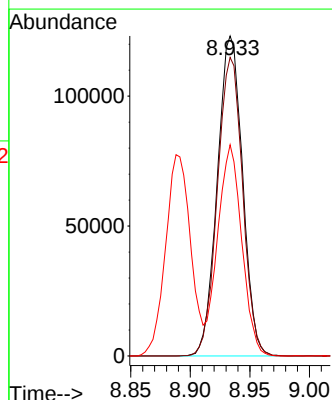
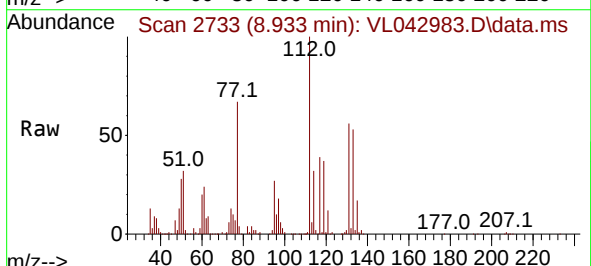
RT: 8.933 min Scan# 2733

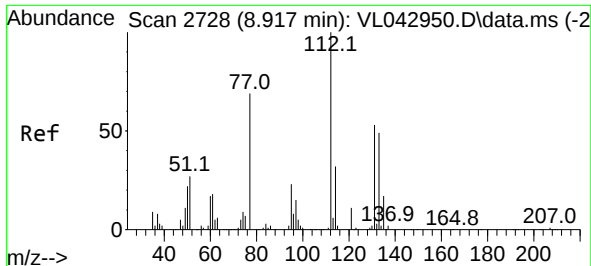
Delta R.T. 0.013 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

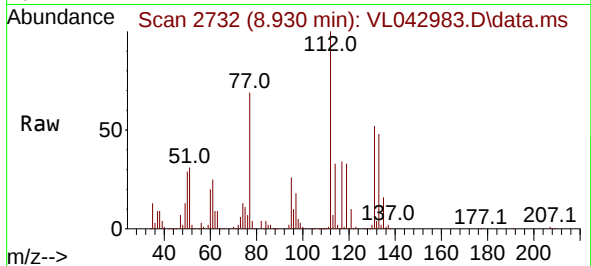
Tgt Ion:	131	Resp:	181159
Ion Ratio	Lower	Upper	
131	100		
133	93.5	76.6	114.8
119	64.5	49.9	74.9





#57
Chlorobenzene
Concen: 10.210 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

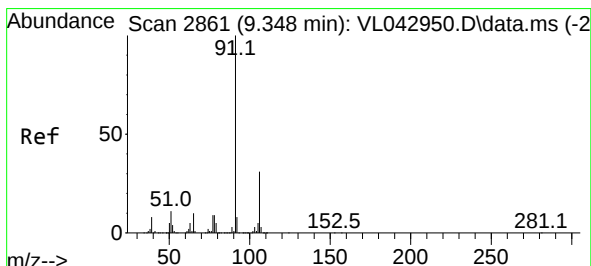
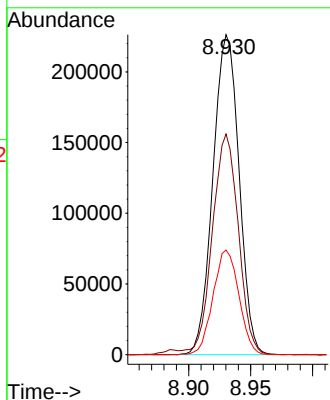
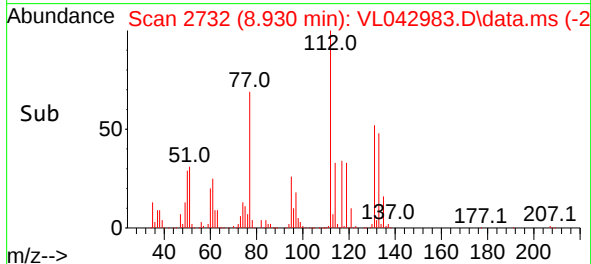
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 332694
Ion Ratio Lower Upper
112 100
77 68.9 55.7 83.5
114 32.7 28.6 35.0

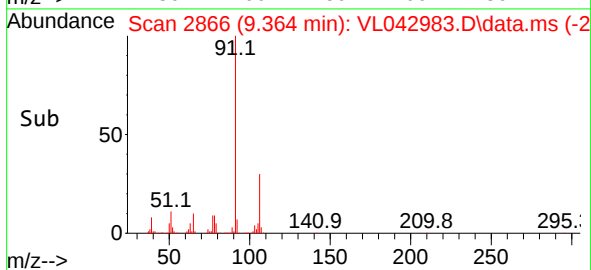
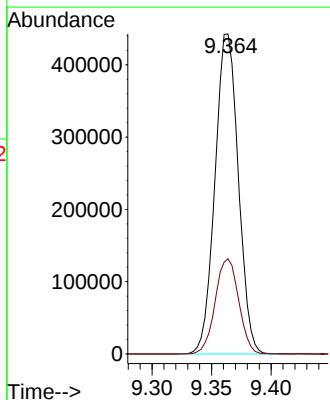
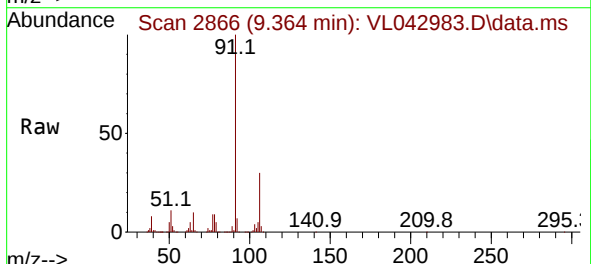
Manual Integrations
APPROVED

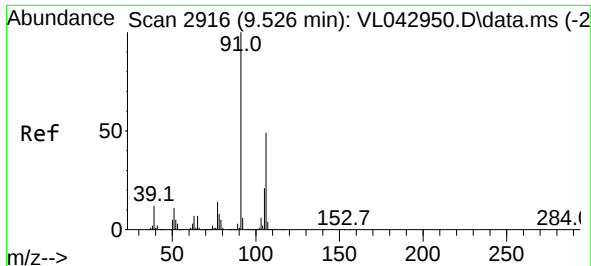
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#58
Ethyl Benzene
Concen: 10.281 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.016 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion: 91 Resp: 602544
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0





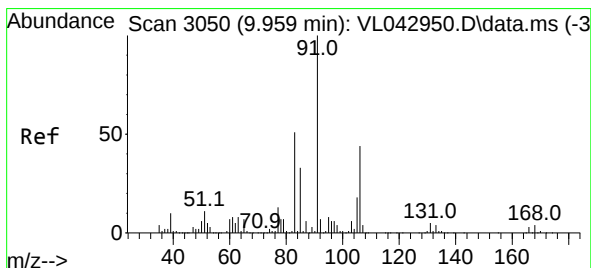
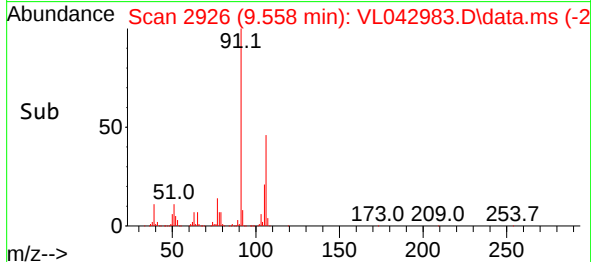
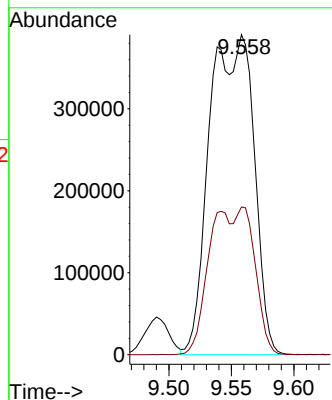
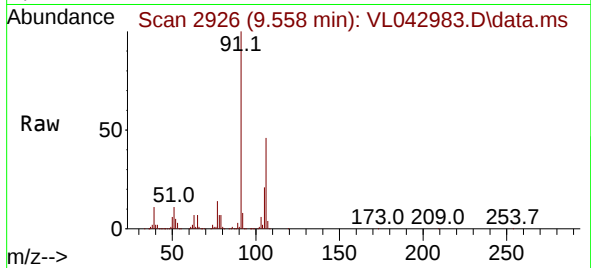
#59
m/p-Xylene
Concen: 20.873 ppbv m
RT: 9.558 min Scan# 2916
Delta R.T. 0.032 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 964478
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

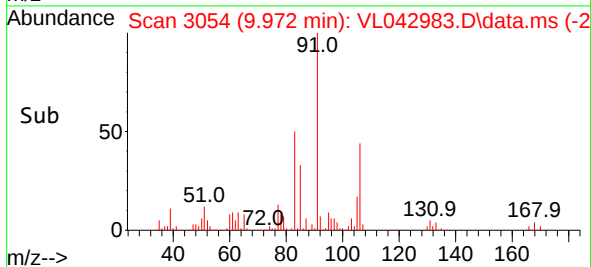
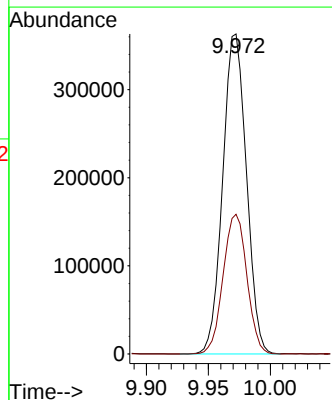
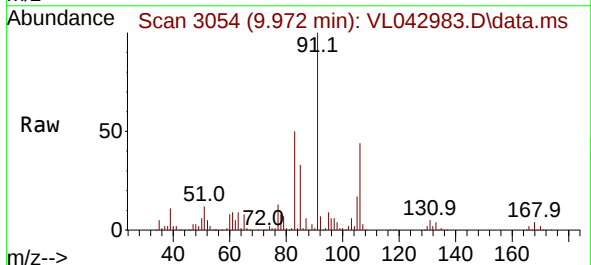
Manual Integrations
APPROVED

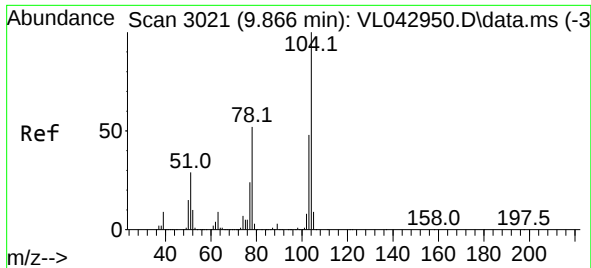
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#60
o-Xylene
Concen: 10.485 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion: 91 Resp: 484224
Ion Ratio Lower Upper
91 100
106 43.8 22.4 67.0





#61

Styrene

Concen: 9.728 ppbv

RT: 9.878 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

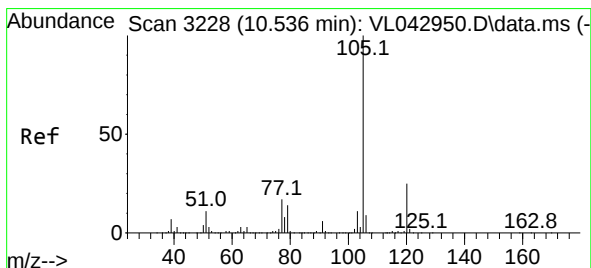
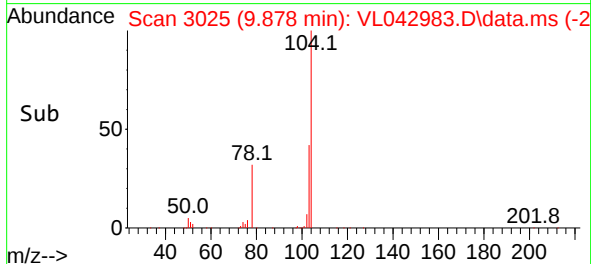
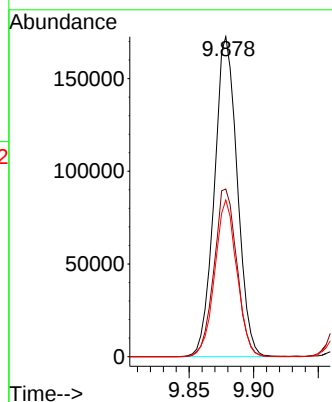
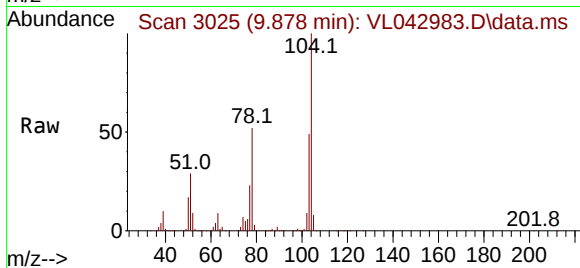
VSTDCCC010

Tgt Ion:104 Resp: 212504
 Ion Ratio Lower Upper
 104 100
 78 52.3 39.9 59.9
 103 47.4 36.9 55.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#62

Isopropylbenzene

Concen: 10.219 ppbv

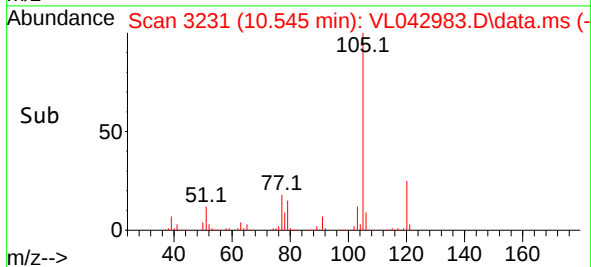
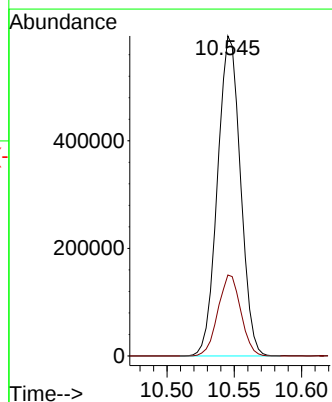
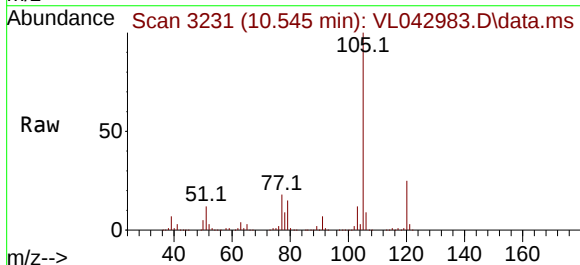
RT: 10.545 min Scan# 3231

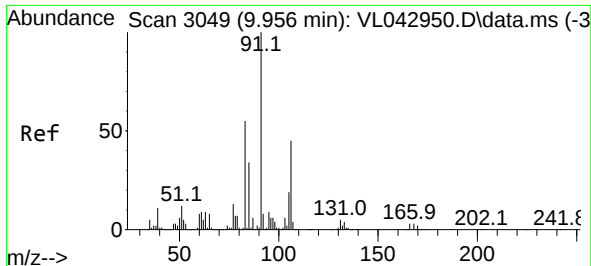
Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

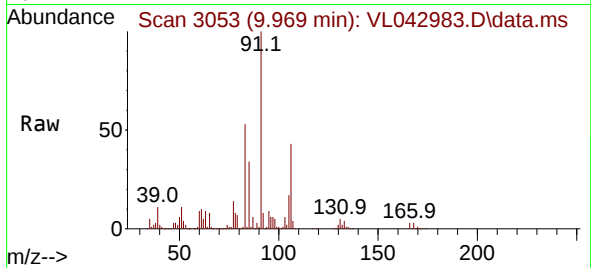
Tgt Ion:105 Resp: 703444
 Ion Ratio Lower Upper
 105 100
 120 25.2 20.6 30.8





#63
1,1,2,2-Tetrachloroethane
Concen: 10.175 ppbv
RT: 9.969 min Scan# 3049
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

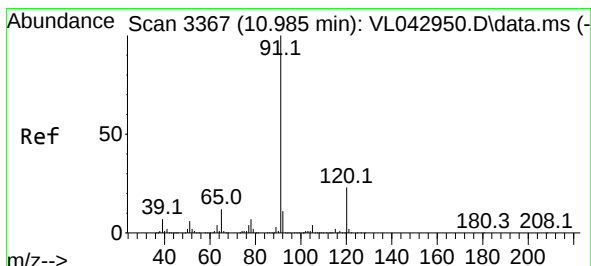
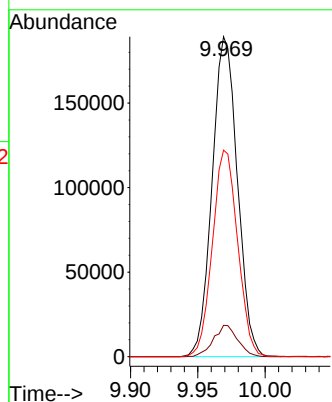
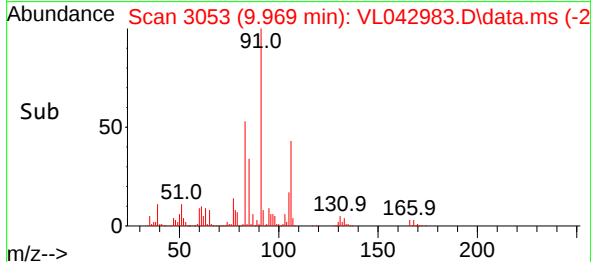
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



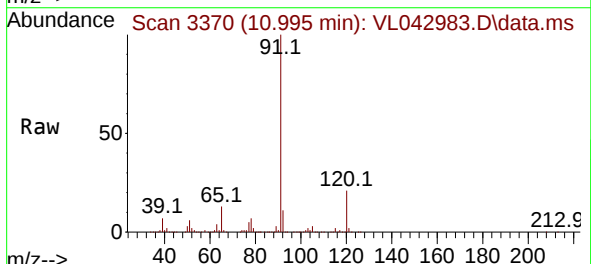
Tgt Ion: 83 Resp: 246998
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 64.4 32.2 96.6

Manual Integrations
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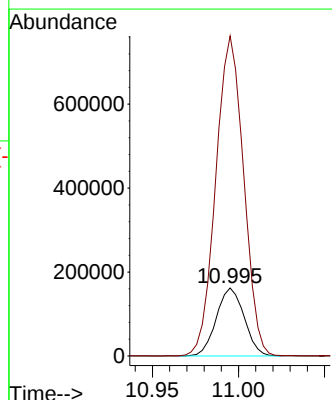
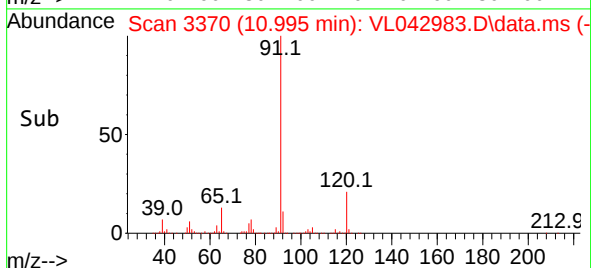
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

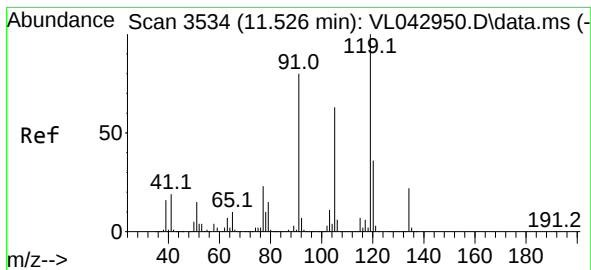


#64
n-propylbenzene
Concen: 10.113 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



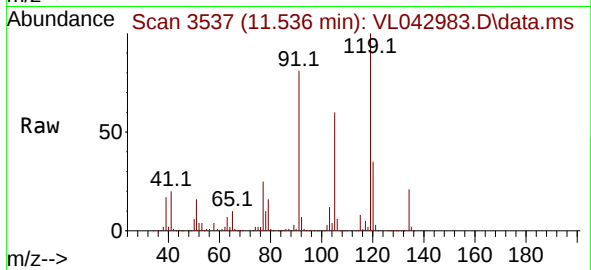
Tgt Ion:120 Resp: 181920
Ion Ratio Lower Upper
120 100
91 472.2 364.9 547.3





#65
tert-Butylbenzene
Concen: 10.004 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

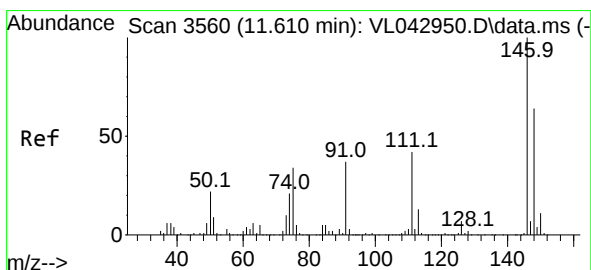
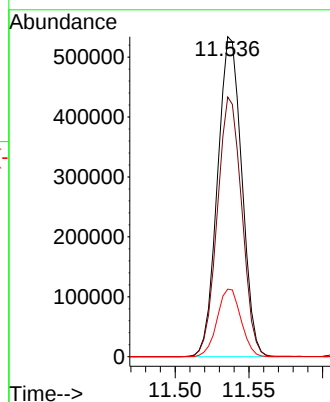
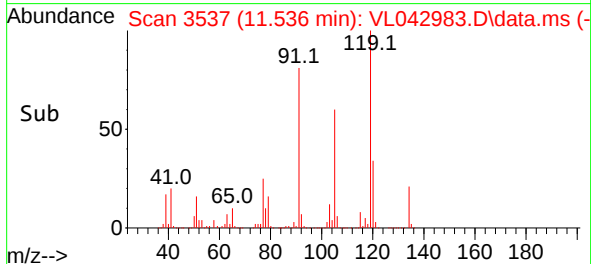
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



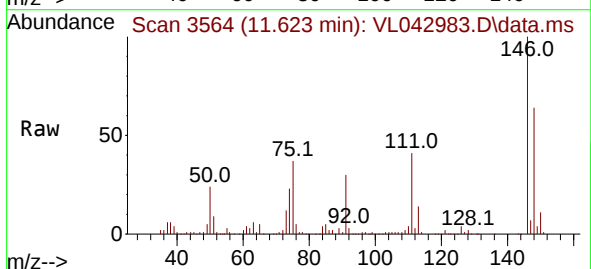
Tgt Ion: 119 Resp: 612510
Ion Ratio Lower Upper
119 100
91 81.7 63.1 94.7
134 20.7 17.0 25.6

Manual Integrations
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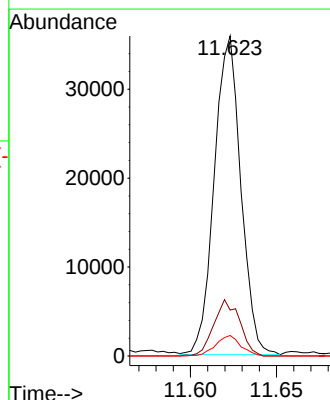
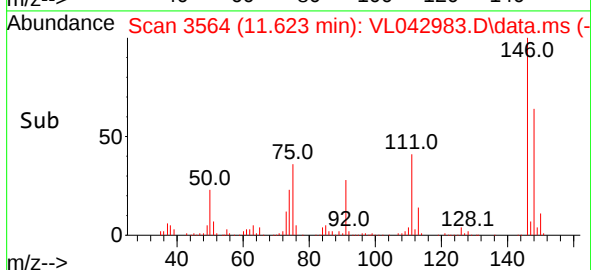
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

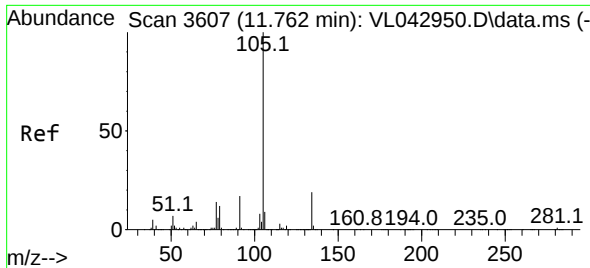


#66
Benzyl Chloride
Concen: 5.982 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



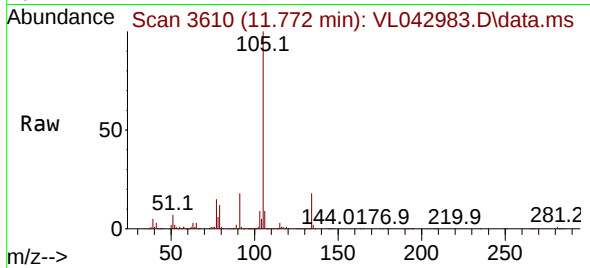
Tgt Ion: 91 Resp: 38429
Ion Ratio Lower Upper
91 100
126 17.3 14.6 21.8
128 6.0 5.0 7.4





#67
 sec-Butylbenzene
 Concen: 10.290 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.010 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

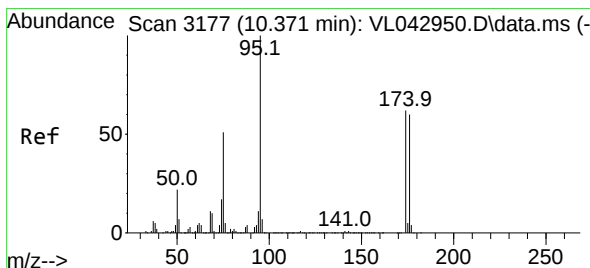
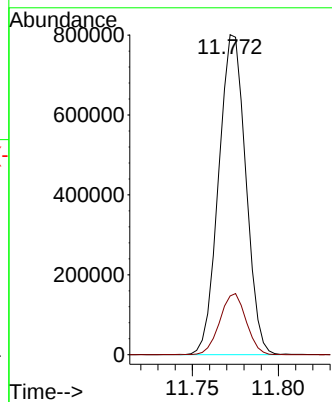
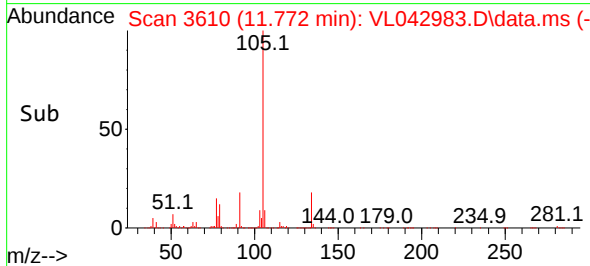
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 87787
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.7 23.5

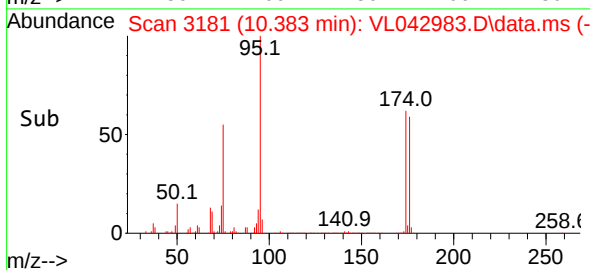
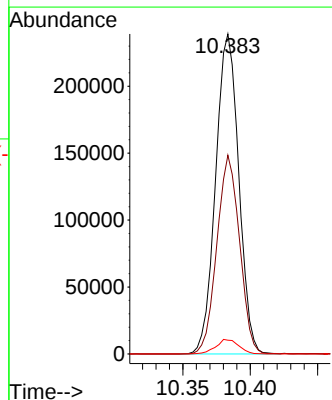
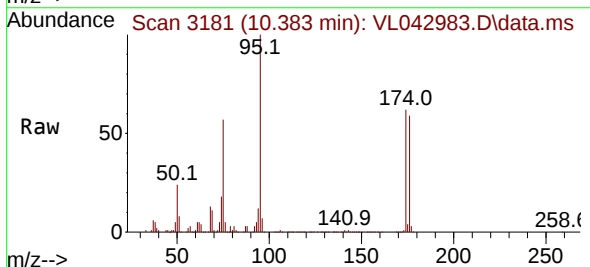
Manual Integrations
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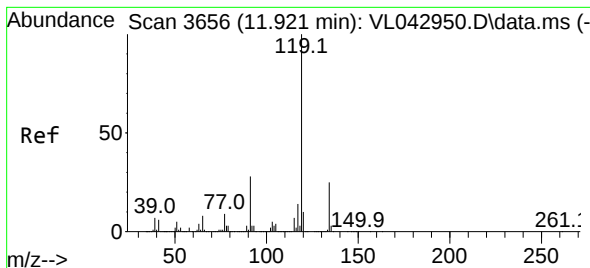
Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.709 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.013 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

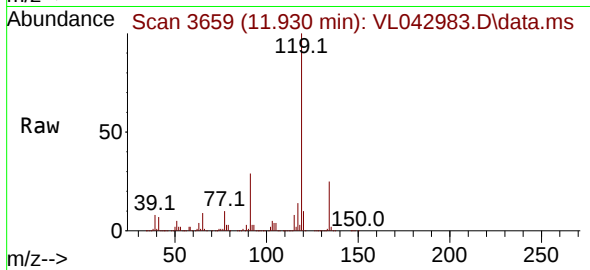
Tgt Ion: 95 Resp: 285330
 Ion Ratio Lower Upper
 95 100
 174 61.1 51.4 77.2
 175 4.5 4.0 6.0





#69
p-Isopropyltoluene
Concen: 10.179 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

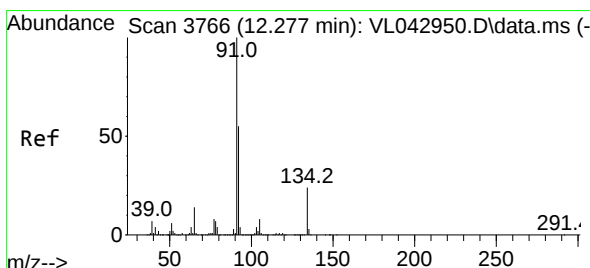
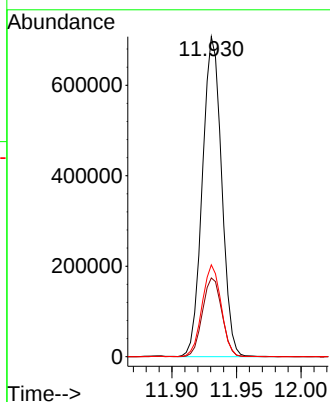
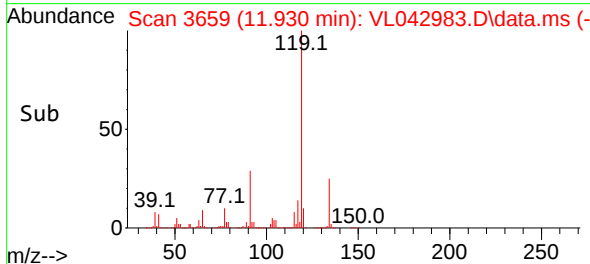
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



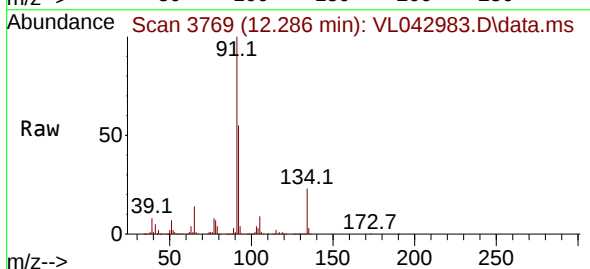
Tgt Ion:119 Resp: 73357
Ion Ratio Lower Upper
119 100
134 25.0 21.0 31.4
91 28.6 22.3 33.5

Manual Integrations
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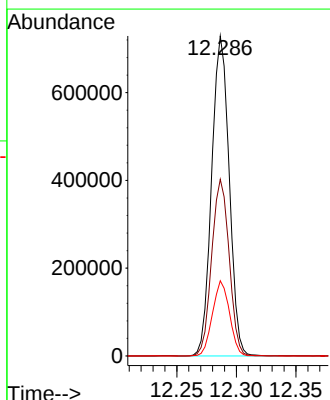
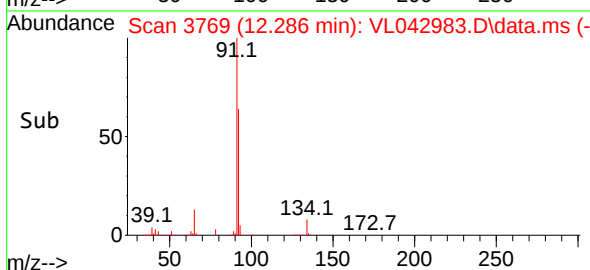
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

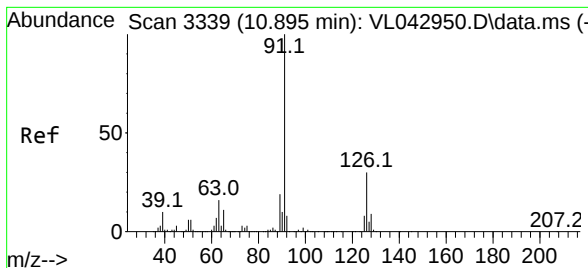


#70
n-Butylbenzene
Concen: 10.584 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion: 91 Resp: 744721
Ion Ratio Lower Upper
91 100
92 55.1 44.0 66.0
134 22.9 19.4 29.2





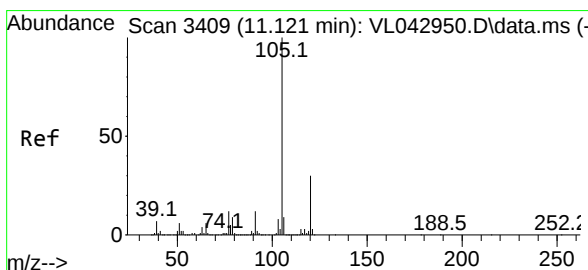
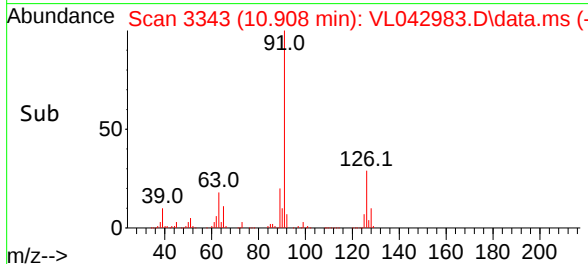
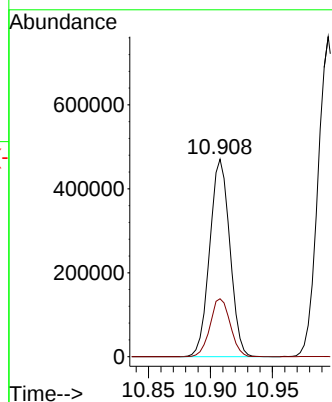
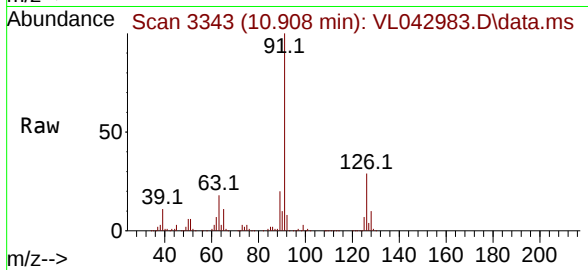
#71
2-Chlorotoluene
Concen: 10.234 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 53193
Ion Ratio Lower Upper
91 100
126 29.4 12.3 49.3

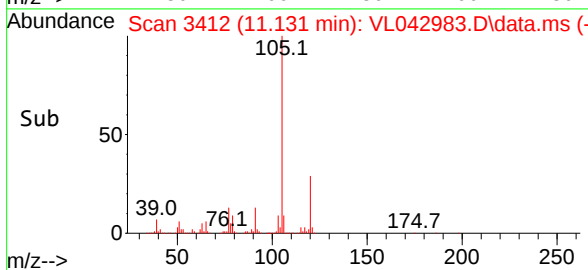
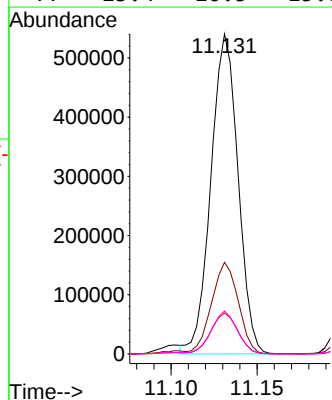
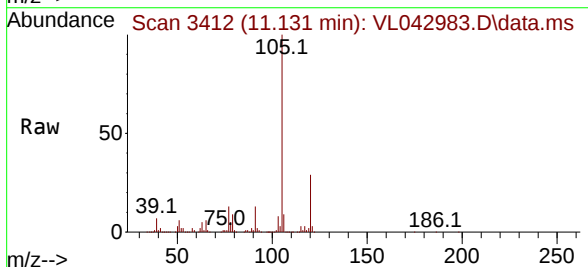
Manual Integrations
APPROVED

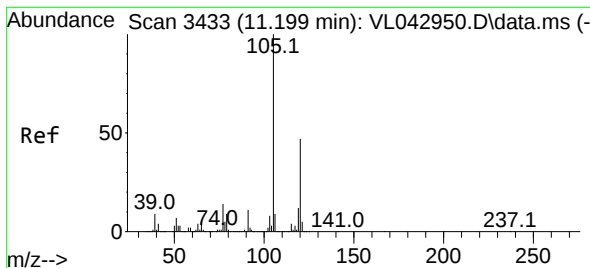
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#72
4-Ethyltoluene
Concen: 10.248 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

Tgt Ion:105 Resp: 592733
Ion Ratio Lower Upper
105 100
120 29.1 24.2 36.2
91 13.1 10.0 15.0
77 13.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.472 ppbv

RT: 11.209 min Scan# 3433

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 491234

Ion Ratio Lower Upper

105 100

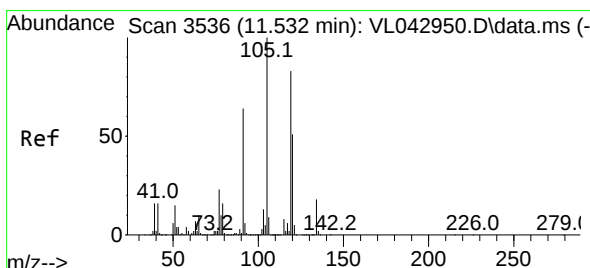
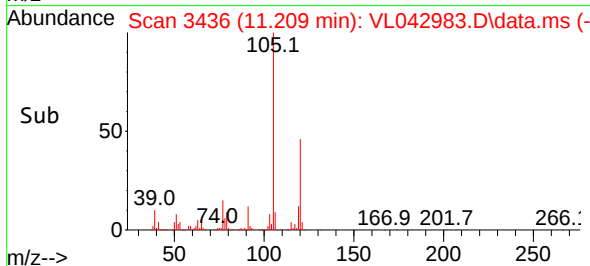
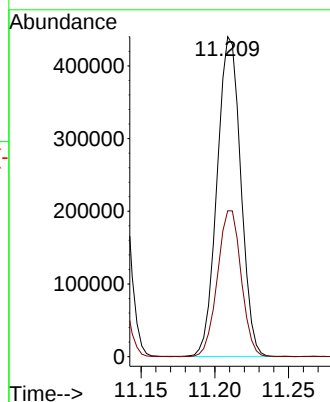
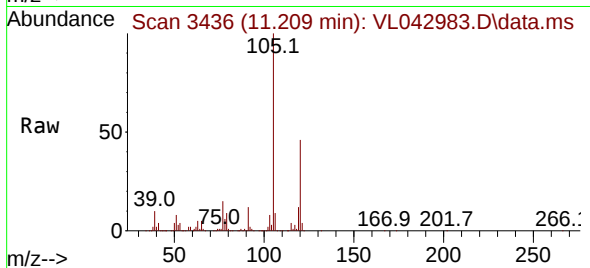
120 45.6 38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.521 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Tgt Ion:105 Resp: 545008

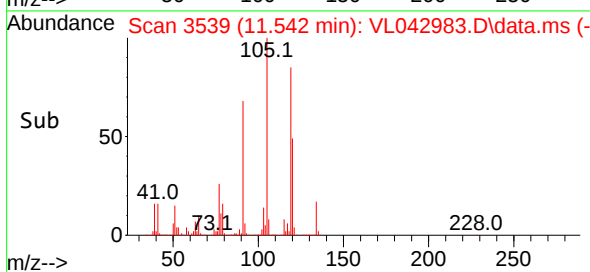
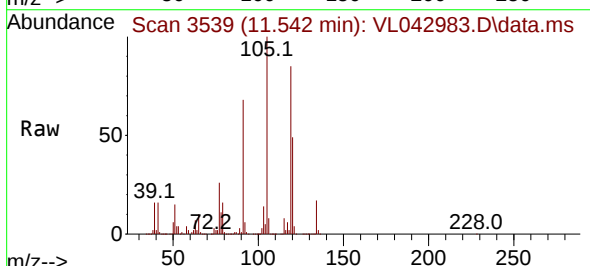
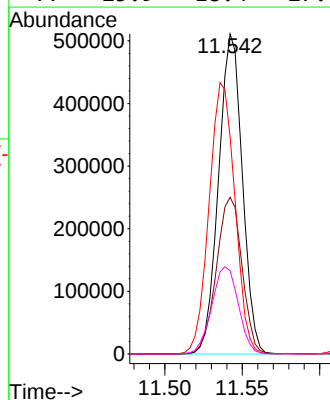
Ion Ratio Lower Upper

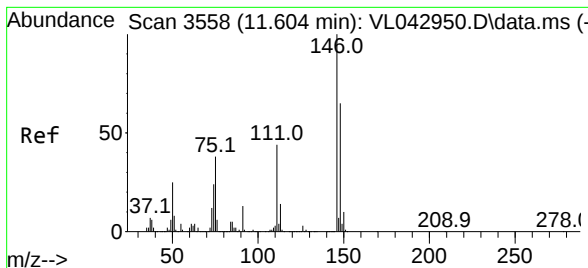
105 100

120 48.9 40.9 61.3

91 67.7 51.2 76.8

77 25.9 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 10.203 ppbv

RT: 11.613 min Scan# 3558

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 32778

Ion Ratio Lower Upper

146 100

111 46.1 22.3 66.9

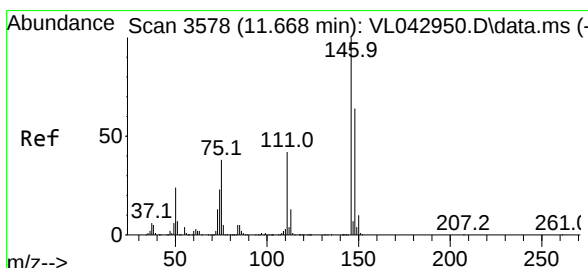
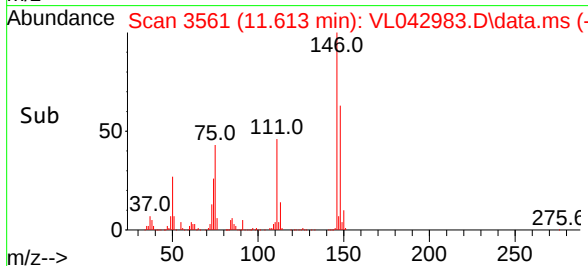
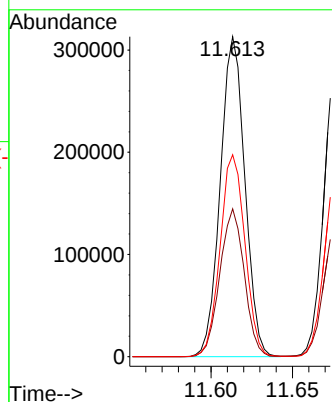
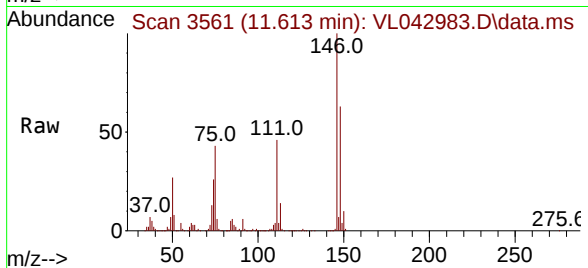
148 63.8 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025

Supervised By :Mahesh Dadoda 09/26/2025



#76

1,4-Dichlorobenzene

Concen: 10.293 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

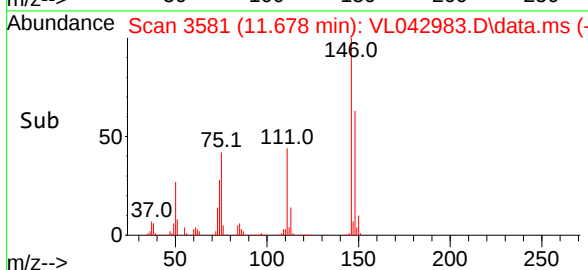
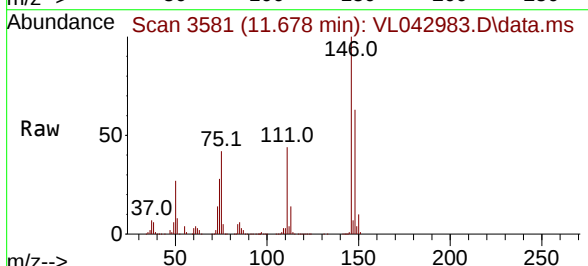
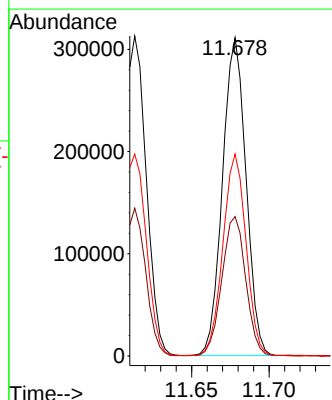
Tgt Ion:146 Resp: 328439

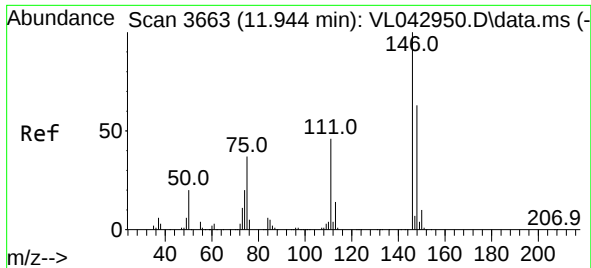
Ion Ratio Lower Upper

146 100

111 44.7 21.5 64.5

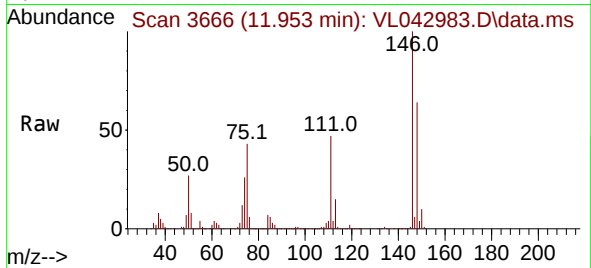
148 62.8 31.9 95.5





#77
1,2-Dichlorobenzene
Concen: 10.247 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14

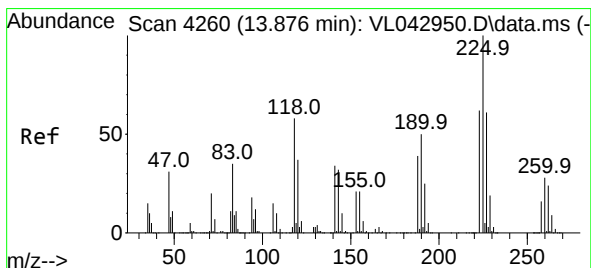
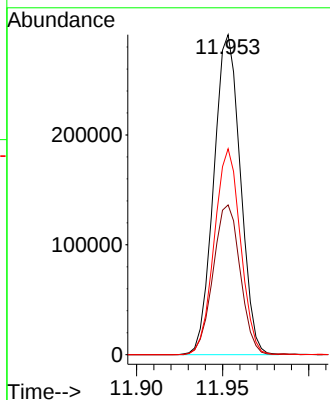
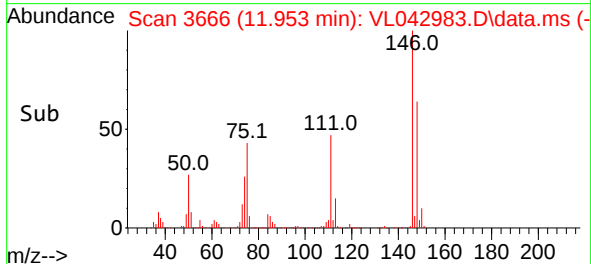
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



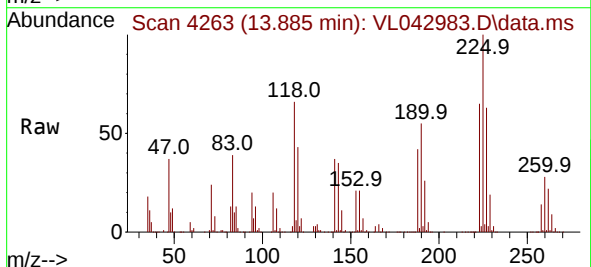
Tgt Ion:146 Resp: 313228
Ion Ratio Lower Upper
146 100
111 47.8 23.1 69.3
148 63.6 32.0 96.0

Manual Integrations
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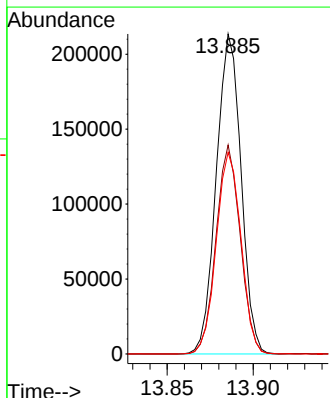
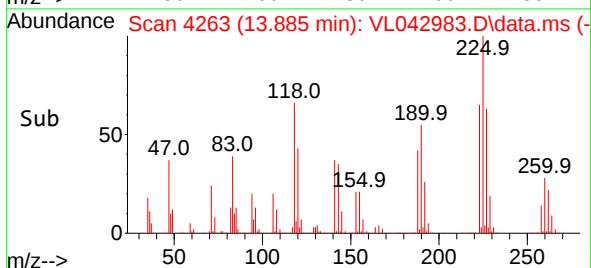
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

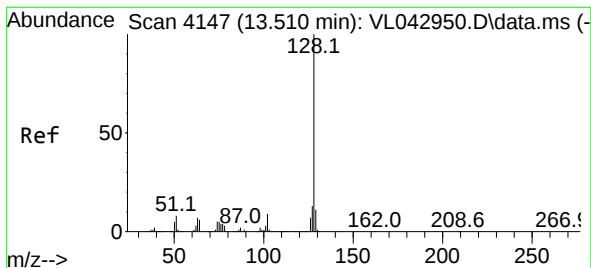


#78
Hexachloro-1,3-Butadiene
Concen: 8.956 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. 0.010 min
Lab File: VL042983.D
Acq: 23 Sep 2025 09:14



Tgt Ion:225 Resp: 214126
Ion Ratio Lower Upper
225 100
223 63.7 50.1 75.1
227 62.8 50.4 75.6





#79

Naphthalene

Concen: 11.001 ppbv

RT: 13.516 min Scan# 4147

Delta R.T. 0.006 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

Instrument :

MSVOA_L

ClientSampleId :

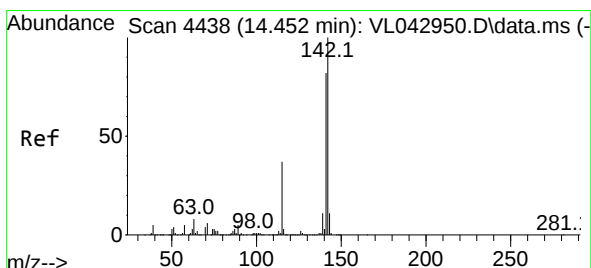
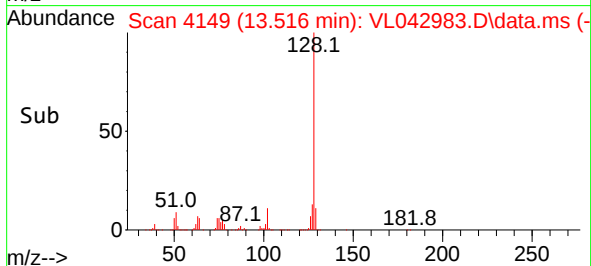
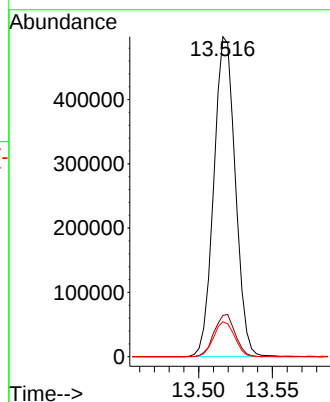
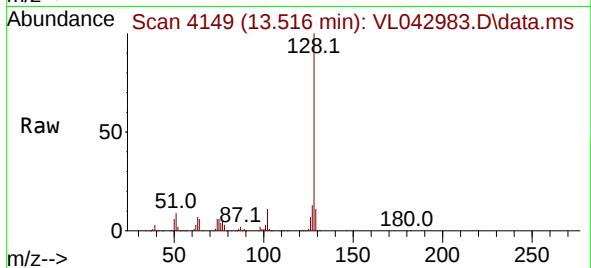
VSTDCCC010

Tgt Ion:128	Resp: 50394
Ion Ratio	Lower Upper
128 100	
127 12.9	10.6 15.8
129 10.9	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#80

Naphthalene,2-methyl-

Concen: 8.892 ppbv

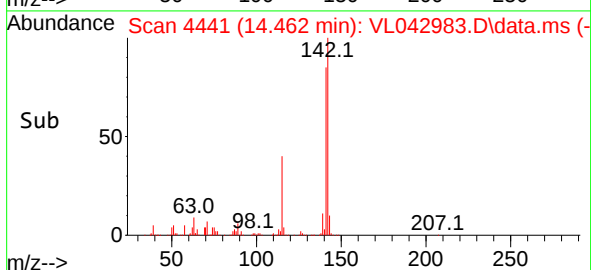
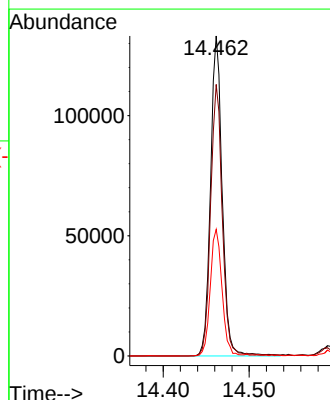
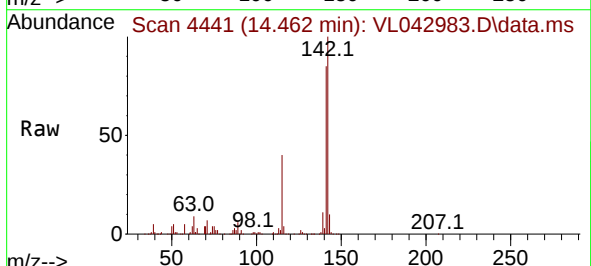
RT: 14.462 min Scan# 4441

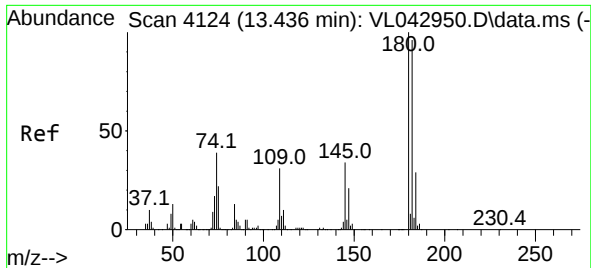
Delta R.T. 0.010 min

Lab File: VL042983.D

Acq: 23 Sep 2025 09:14

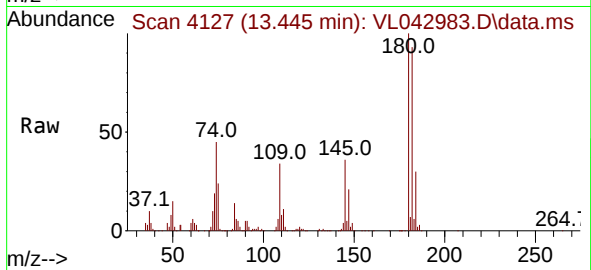
Tgt Ion:142	Resp: 125827
Ion Ratio	Lower Upper
142 100	
141 85.5	65.1 97.7
115 40.2	28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.684 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042983.D
 Acq: 23 Sep 2025 09:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 261685
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.7 113.5
 184 30.0 23.9 35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/24/2025
 Supervised By :Mahesh Dadoda 09/26/2025

