

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043122.D
 Acq On : 15 Oct 2025 15:57
 Operator : SY/MD
 Sample : VL1015ABSD01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:19:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	91615	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	294311	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	260330	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 212144 10.484 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	146031	11.212	ppbv	100
3) Chlorodifluoromethane	1.479	51	132400	9.396	ppbv	93
4) Chloromethane	1.538	50	49080	9.512	ppbv	98
5) Vinyl Chloride	1.583	62	50236	9.926	ppbv	97
6) Bromomethane	1.670	94	29349	10.576	ppbv	99
7) Chloroethane	1.709	64	19982	9.657	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	112911	10.726	ppbv	97
9) Propene	1.486	41	48992	7.839	ppbv	98
10) Heptane	4.991	43	146679	8.152	ppbv	97
11) Trichlorofluoromethane	1.881	101	153762	12.069	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	115644	11.275	ppbv	96
13) Ethanol	1.725	45	17793	7.696	ppbv	94
14) Bromoethene	1.787	108	41213	10.816	ppbv	99
15) Acetone	1.839	43	118839	9.624	ppbv	97
16) 1,3-Butadiene	1.612	39	55311	9.399	ppbv	98
17) tert-Butyl alcohol	2.043	59	174619	10.302	ppbv	98
18) 1,1-Dichloroethene	2.039	96	51012	11.408	ppbv	87
19) Isopropyl Alcohol	1.887	45	73121	9.508	ppbv	99
20) Methylene Chloride	2.065	84	44858	9.190	ppbv	89
21) Allyl Chloride	2.101	41	90557	9.952	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	56333	10.539	ppbv	97
23) Vinyl Acetate	2.467	43	177669	9.822	ppbv	98
24) 1,1-Dichloroethane	2.415	63	113663	11.006	ppbv	99
25) Ethyl Acetate	2.839	43	271918	8.880	ppbv	99
26) Hexane	2.832	57	126655	8.976	ppbv	97
27) Carbon Disulfide	2.156	76	137853	10.663	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	69446	10.818	ppbv	96
29) Chloroform	2.855	83	214588	10.496	ppbv	100
30) Cyclohexane	3.865	84	112065	9.100	ppbv	92
31) cis-1,2-Dichloroethene	2.725	61	137648	10.216	ppbv	99
32) 1,1,1-Trichloroethane	3.376	97	226398	10.634	ppbv	99
34) 2-Butanone	2.560	43	180212	9.109	ppbv	96
35) Carbon Tetrachloride	3.771	117	228771	10.811	ppbv	96
36) Benzene	3.664	78	261070	9.418	ppbv	96
37) 1,2-Dichloroethane	3.224	62	171136	10.717	ppbv #	95
38) Trichloroethene	4.557	130	102021	8.813	ppbv	94
39) 1,2-Dichloropropane	4.321	63	91417	9.021	ppbv	94
40) 1,4-Dioxane	4.590	88	41071	9.057	ppbv #	96
41) Tetrahydrofuran	3.056	42	89968	8.131	ppbv	92
42) Bromodichloromethane	4.499	83	233460	10.563	ppbv	99
43) Methyl Methacrylate	4.888	69	127541	9.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.651	57	414817	8.870	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	138082	9.773	ppbv	96

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Instrument :
 MSVOA_L
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 01:19:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

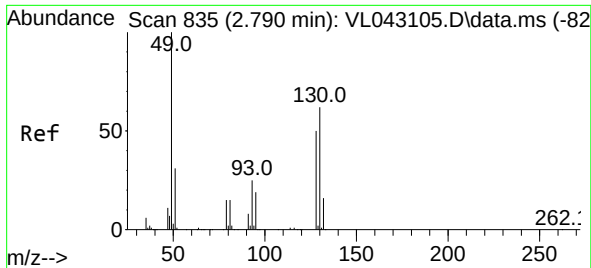
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	158488	9.390	ppbv	93
47) 1,1,2-Trichloroethane	6.593	97	102387	9.356	ppbv	93
48) Dibromochloromethane	7.393	129	183501	10.029	ppbv	98
49) Bromoform	9.490	173	150248	10.102	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	233019	8.535	ppbv	98
51) 2-Hexanone	7.444	43	182931	8.933	ppbv #	100
52) Tetrachloroethene	8.234	164	88818	8.885	ppbv	93
53) Toluene	6.943	91	298271	9.066	ppbv	99
54) 1,2-Dibromoethane	7.661	107	162018	9.452	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.933	131	165501	10.085	ppbv	96
57) Chlorobenzene	8.930	112	225547	9.261	ppbv	95
58) Ethyl Benzene	9.364	91	432119	9.672	ppbv	96
59) m/p-Xylene	9.558	91	698130m	19.591	ppbv	
60) o-Xylene	9.972	91	339885	9.657	ppbv	97
61) Styrene	9.875	104	149479	9.408	ppbv	97
62) Isopropylbenzene	10.545	105	618625	9.727	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	211262	8.964	ppbv	97
64) n-propylbenzene	10.995	120	156132	9.273	ppbv	91
65) tert-Butylbenzene	11.539	119	516711	9.200	ppbv	94
66) Benzyl Chloride	11.620	91	54290	8.686	ppbv	98
67) sec-Butylbenzene	11.772	105	747469	9.378	ppbv	98
69) p-Isopropyltoluene	11.930	119	628190	9.275	ppbv	97
70) n-Butylbenzene	12.286	91	656970	9.843	ppbv	98
71) 2-Chlorotoluene	10.908	91	475356	9.800	ppbv	97
72) 4-Ethyltoluene	11.131	105	421655	9.743	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	350402	9.818	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	376592	9.429	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	220504	9.519	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	220451	9.438	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	205757	9.182	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	148058	8.533	ppbv	98
79) Naphthalene	13.520	128	422818	10.128	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	120171	11.049	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	168366	9.717	ppbv	99

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

Manual Integrations APPROVED

Quant Time: Oct 16 01:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration





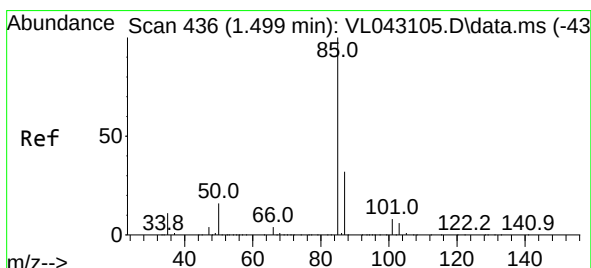
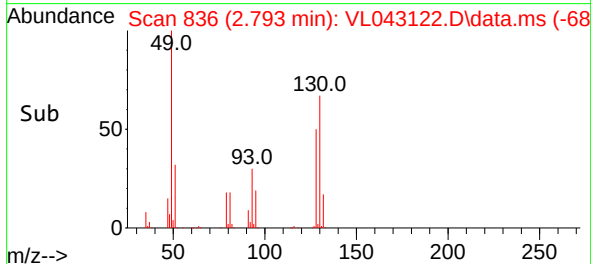
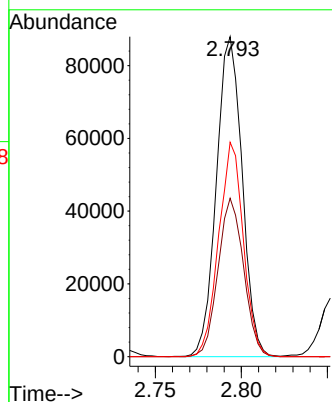
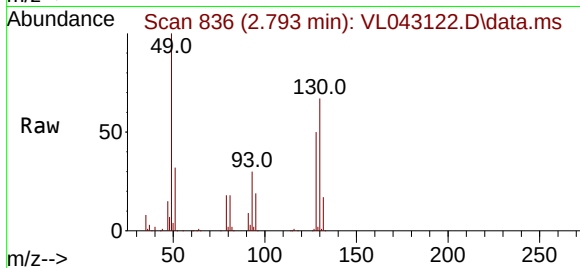
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 49 Resp: 9161
Ion Ratio Lower Upper
49 100
128 49.1 24.4 73.4
130 64.2 31.0 93.0

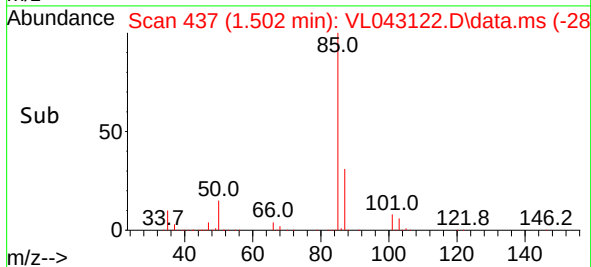
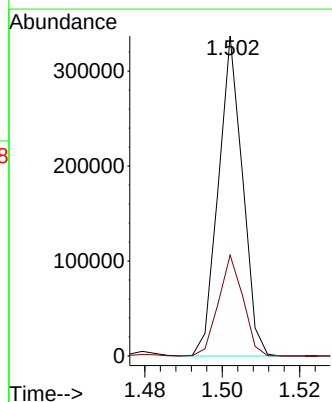
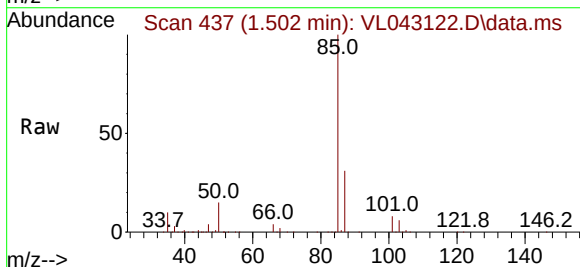
Manual Integrations
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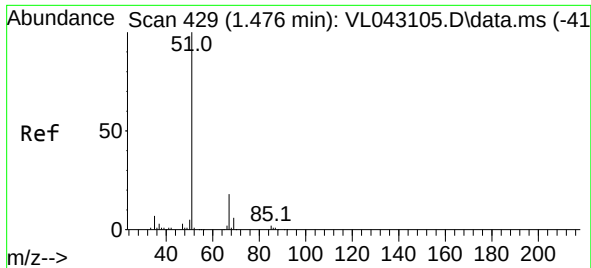
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#2
Dichlorodifluoromethane
Concen: 11.212 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 85 Resp: 146031
Ion Ratio Lower Upper
85 100
87 31.5 25.3 37.9





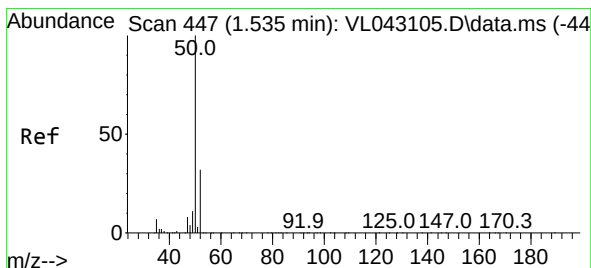
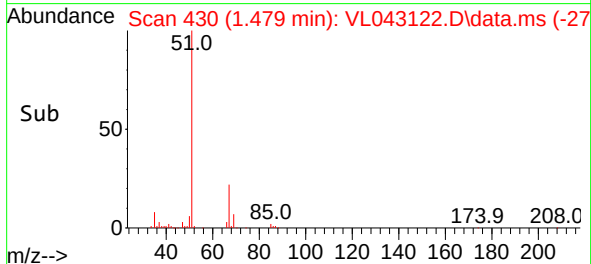
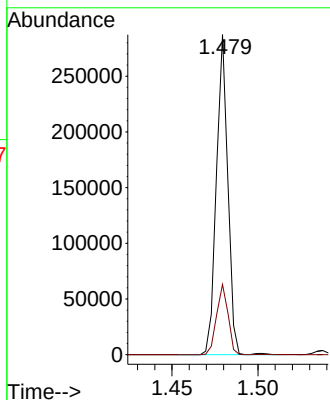
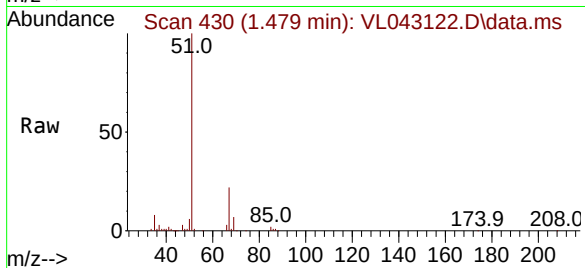
#3
Chlorodifluoromethane
Concen: 9.396 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 51 Resp: 132400
Ion Ratio Lower Upper
51 100
67 22.2 15.1 22.7

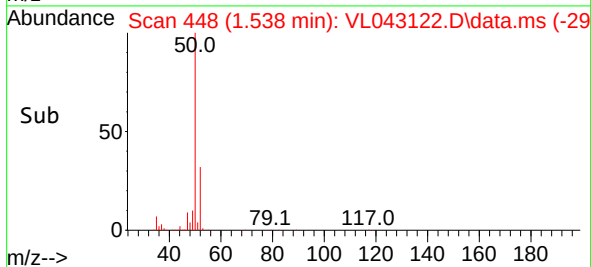
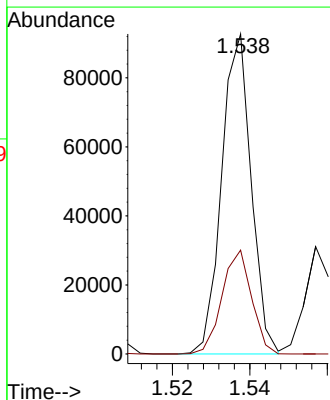
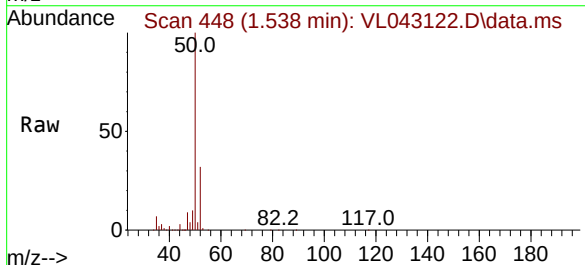
Manual Integrations
APPROVED

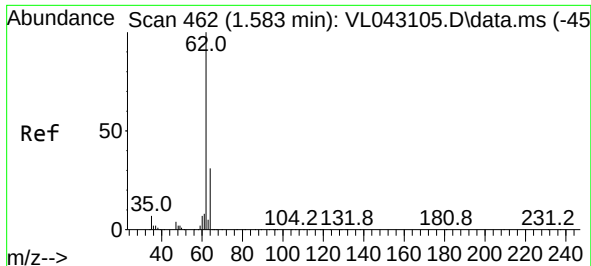
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#4
Chloromethane
Concen: 9.512 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

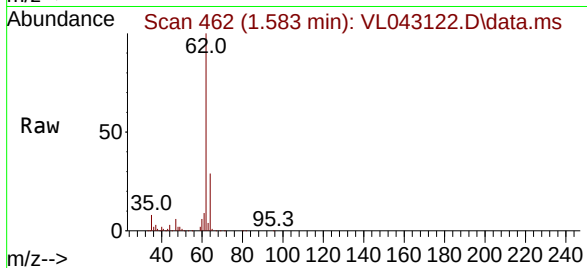
Tgt Ion: 50 Resp: 49080
Ion Ratio Lower Upper
50 100
52 32.5 25.2 37.8





#5
 Vinyl Chloride
 Concen: 9.926 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

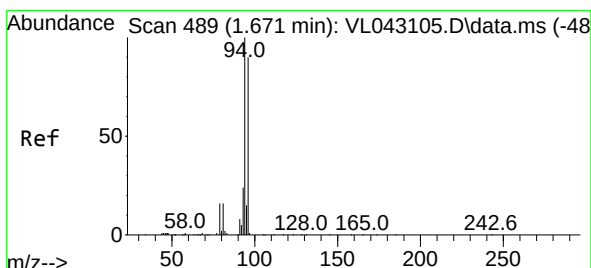
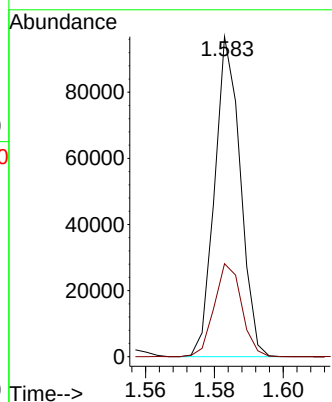
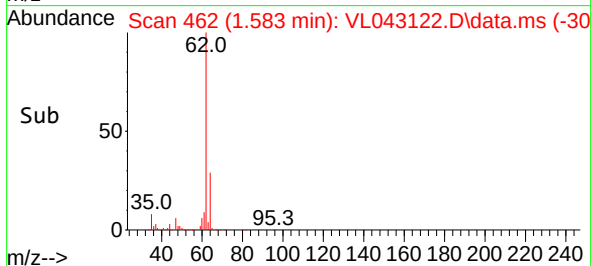
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01



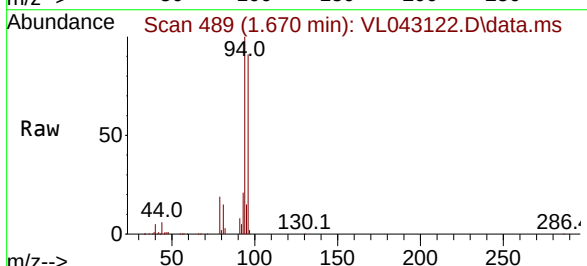
Tgt Ion: 62 Resp: 50230
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.6 36.8

Manual Integrations
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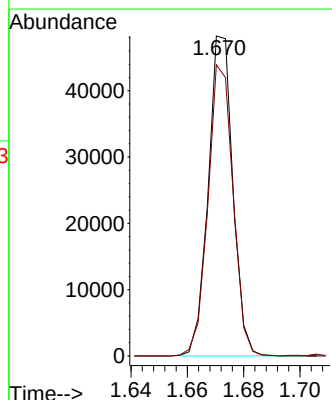
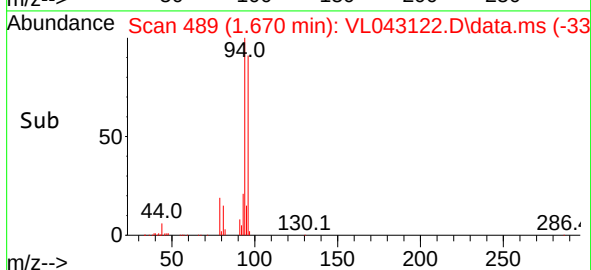
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

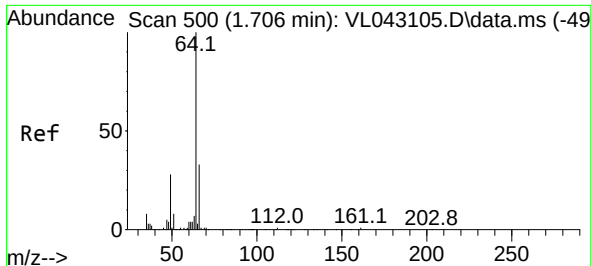


#6
 Bromomethane
 Concen: 10.576 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57



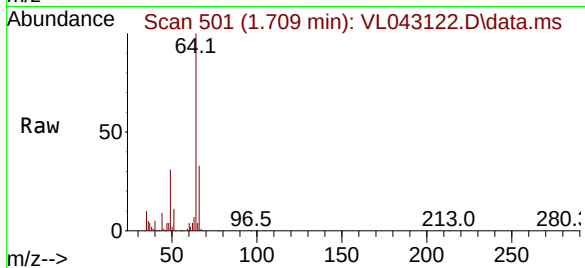
Tgt Ion: 94 Resp: 29349
 Ion Ratio Lower Upper
 94 100
 96 91.0 72.2 108.4





#7
Chloroethane
Concen: 9.657 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

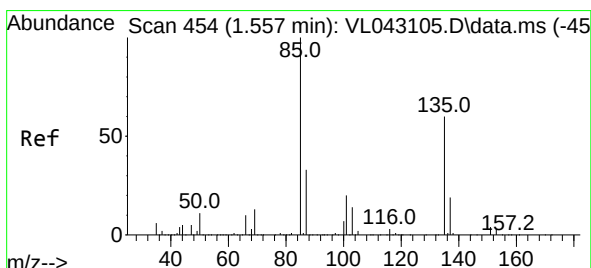
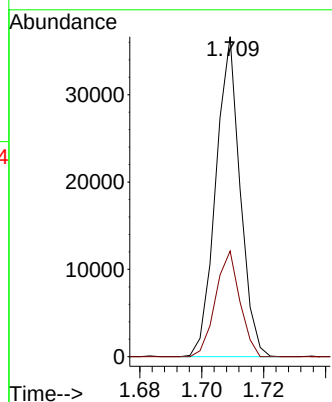
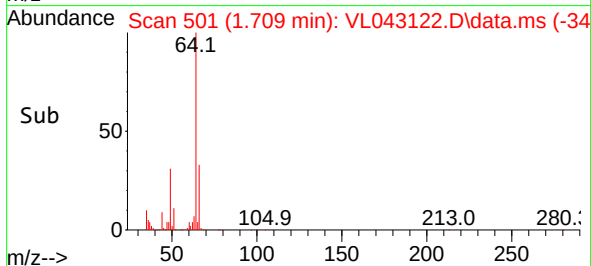
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



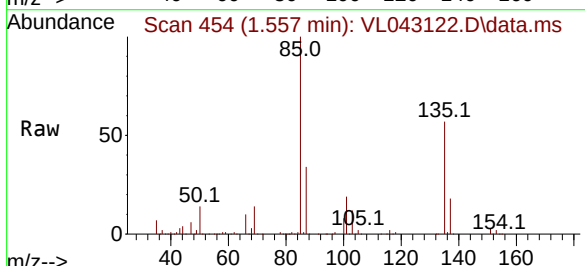
Tgt Ion: 64 Resp: 1998
Ion Ratio Lower Upper
64 100
66 33.0 26.0 39.0

Manual Integrations
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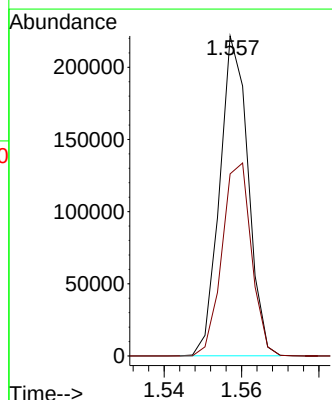
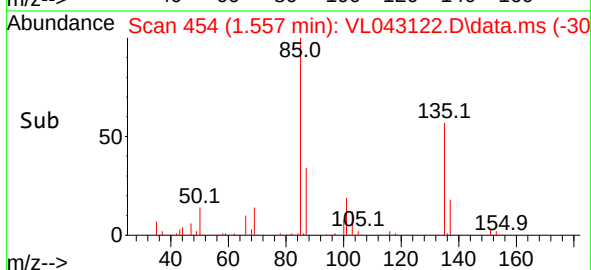
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

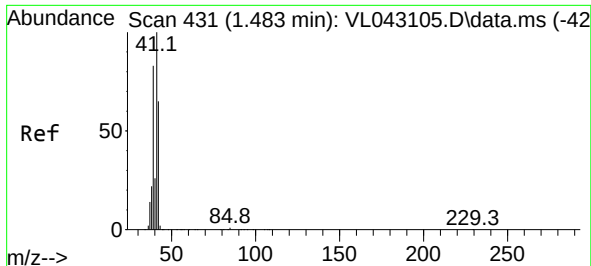


#8
Dichlorotetrafluoroethane
Concen: 10.726 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



Tgt Ion: 85 Resp: 112911
Ion Ratio Lower Upper
85 100
135 62.8 48.2 72.4





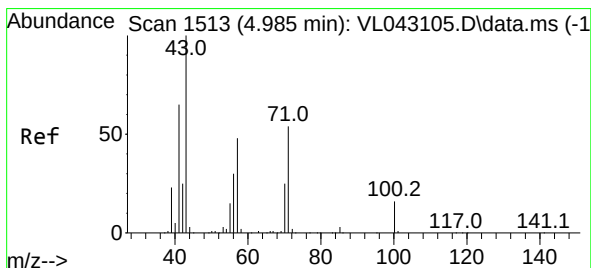
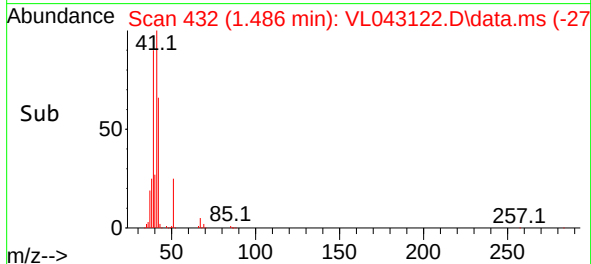
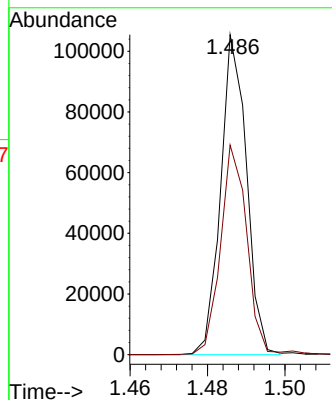
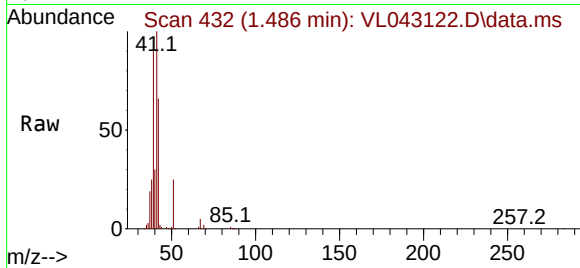
#9
Propene
Concen: 7.839 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 41 Resp: 48992
Ion Ratio Lower Upper
41 100
42 67.6 55.1 82.7

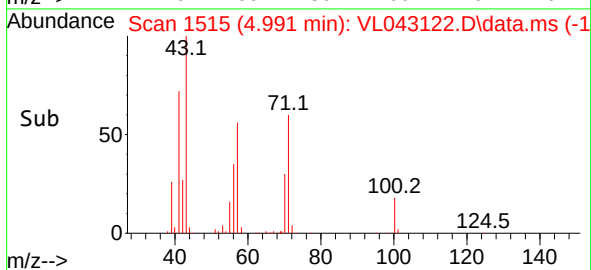
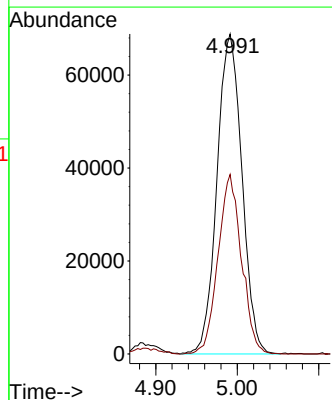
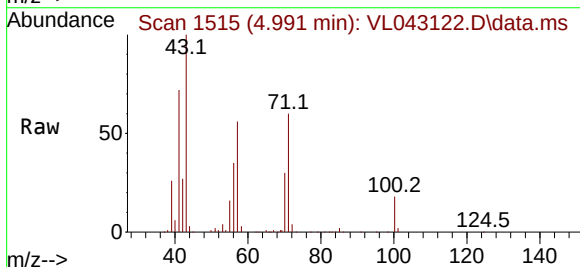
Manual Integrations
APPROVED

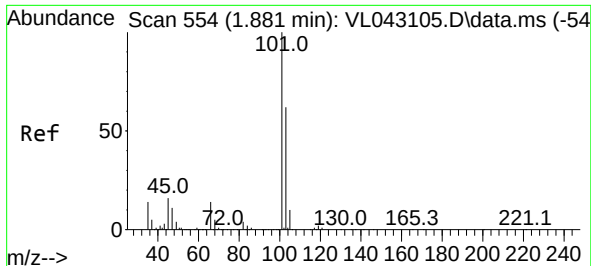
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#10
Heptane
Concen: 8.152 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

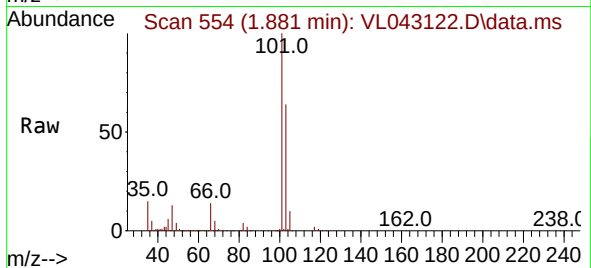
Tgt Ion: 43 Resp: 146679
Ion Ratio Lower Upper
43 100
57 52.7 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 12.069 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

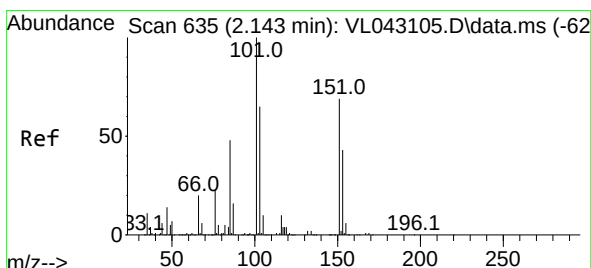
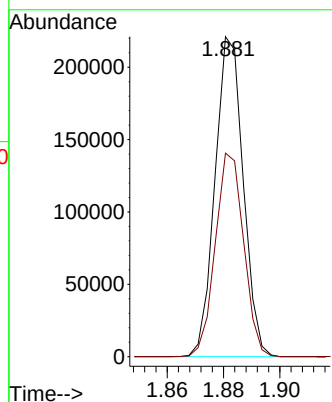
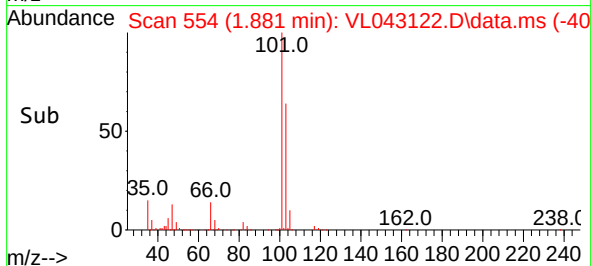
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01



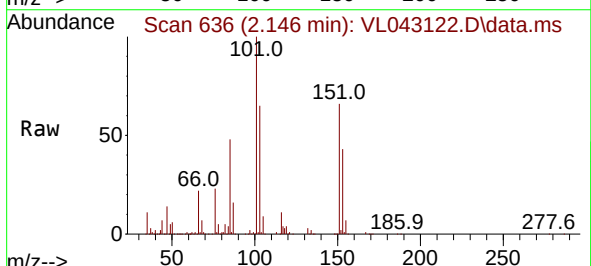
Tgt Ion:101 Resp: 153762
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.3 73.9

Manual Integrations
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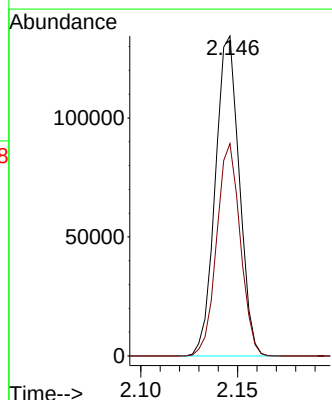
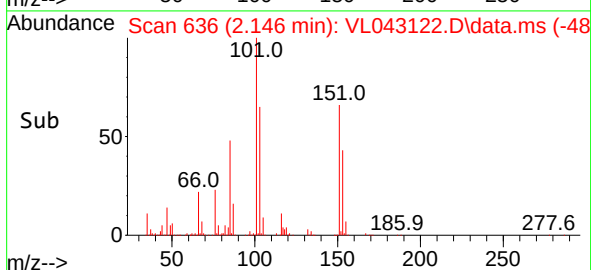
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

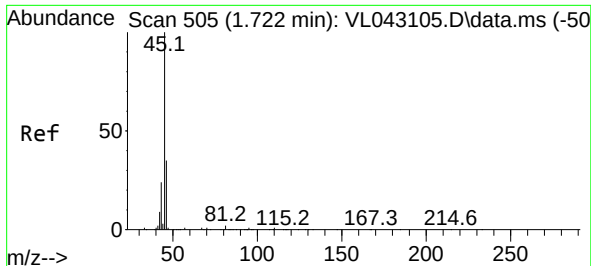


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.275 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57



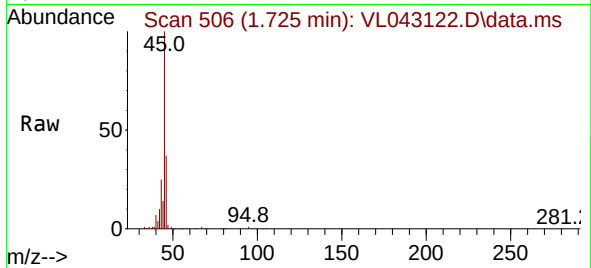
Tgt Ion:101 Resp: 115644
 Ion Ratio Lower Upper
 101 100
 151 65.3 54.7 82.1





#13
Ethanol
Concen: 7.696 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

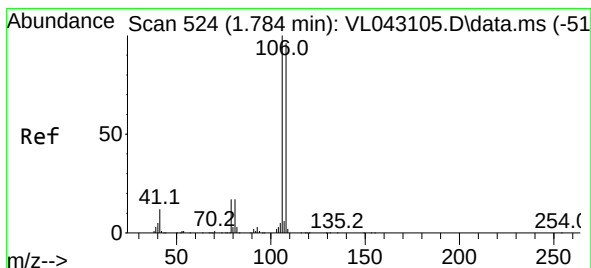
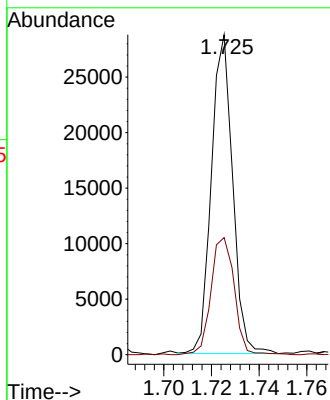
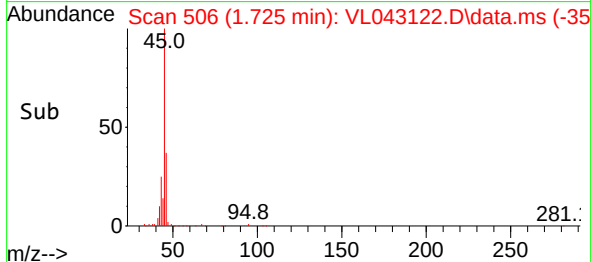
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



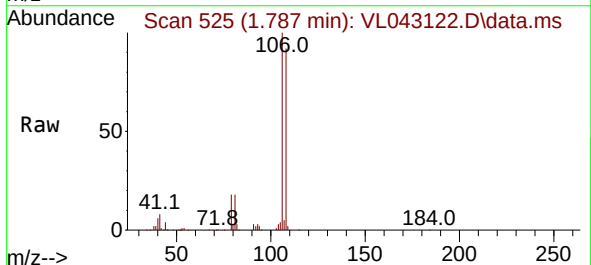
Tgt Ion: 45 Resp: 1779
Ion Ratio Lower Upper
45 100
46 40.5 14.7 58.9

Manual Integrations
APPROVED

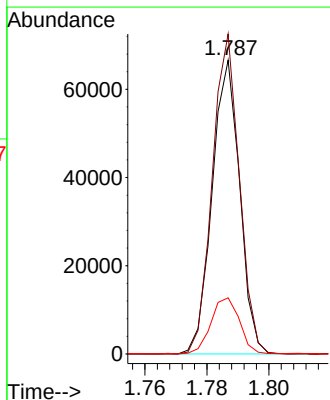
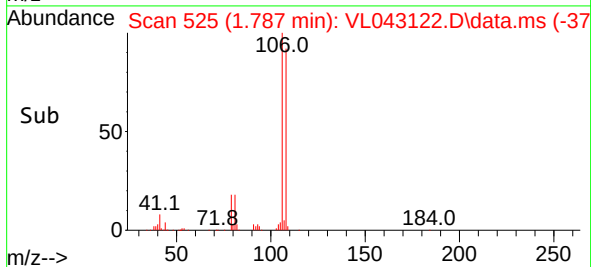
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

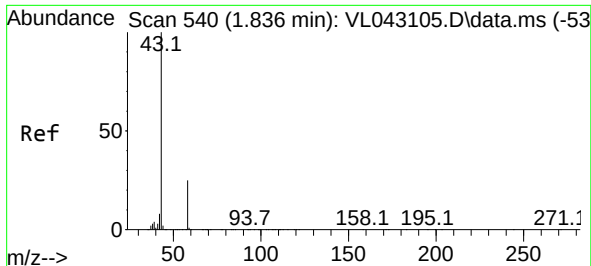


#14
Bromoethene
Concen: 10.816 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



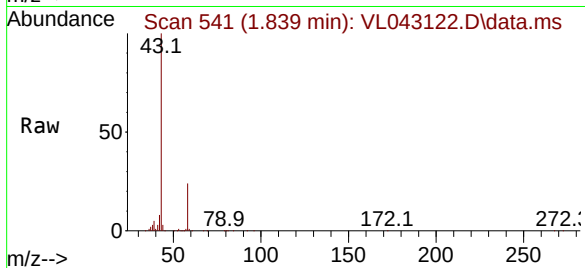
Tgt Ion:108 Resp: 41213
Ion Ratio Lower Upper
108 100
106 106.4 84.4 126.6
79 20.1 15.3 22.9





#15
Acetone
Concen: 9.624 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

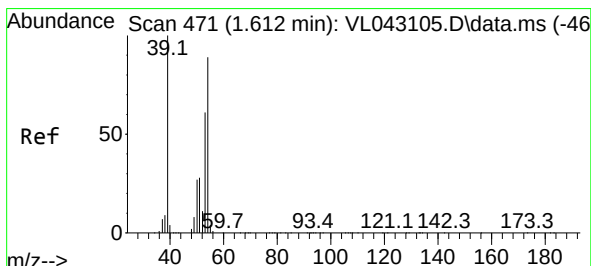
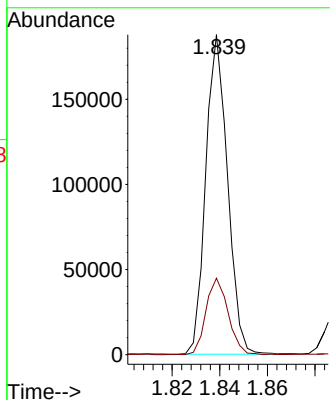
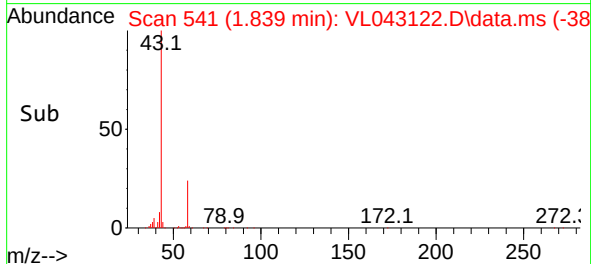
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



Tgt Ion: 43 Resp: 118839
Ion Ratio Lower Upper
43 100
58 24.6 20.8 31.2

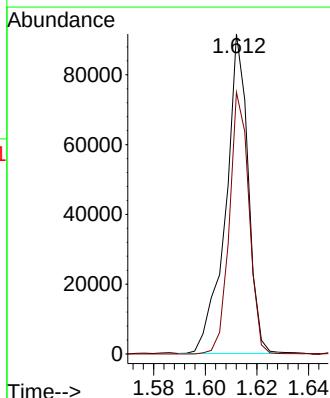
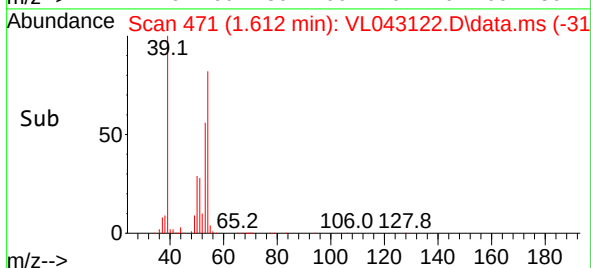
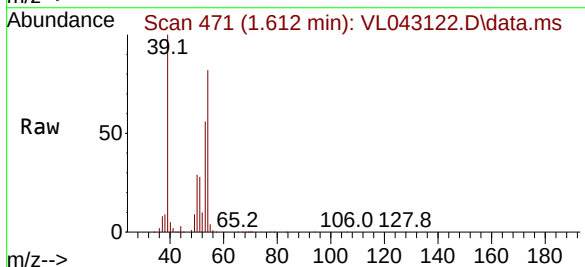
Manual Integrations
APPROVED

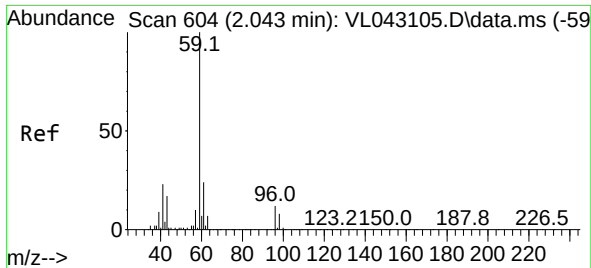
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#16
1,3-Butadiene
Concen: 9.399 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 39 Resp: 55311
Ion Ratio Lower Upper
39 100
54 71.6 59.0 88.4





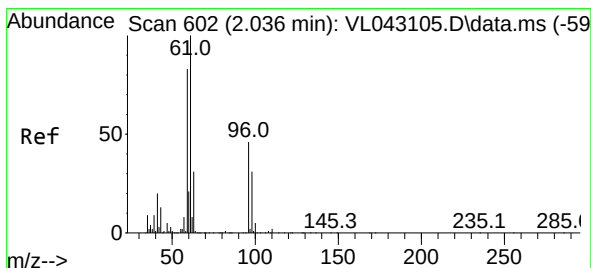
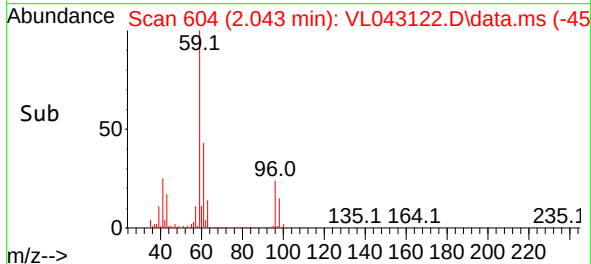
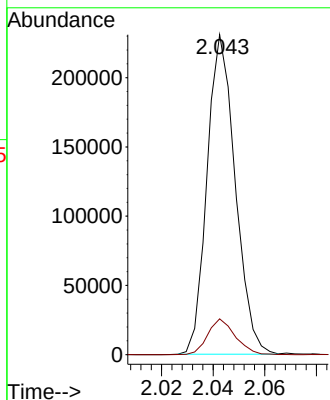
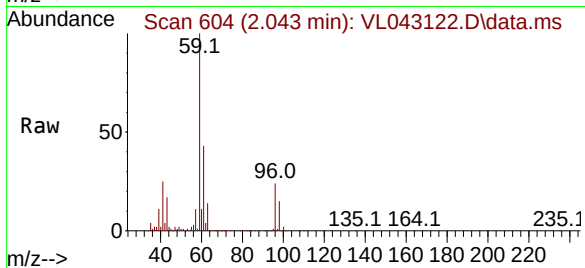
#17
tert-Butyl alcohol
Concen: 10.302 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 59 Resp: 174619
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4

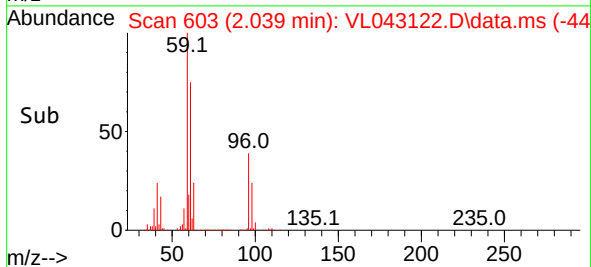
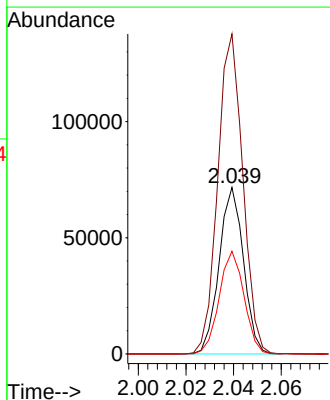
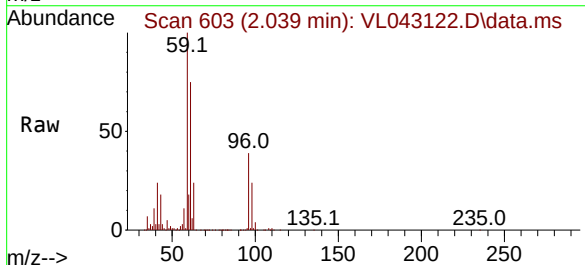
Manual Integrations
APPROVED

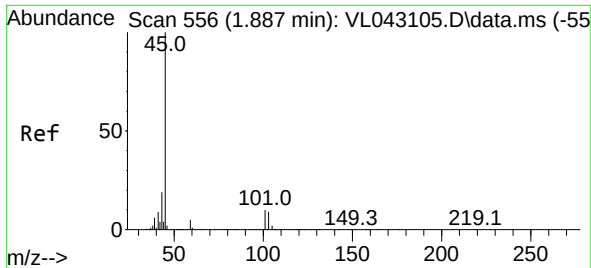
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#18
1,1-Dichloroethene
Concen: 11.408 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 96 Resp: 51012
Ion Ratio Lower Upper
96 100
61 192.1 173.4 260.0
98 61.6 53.2 79.8





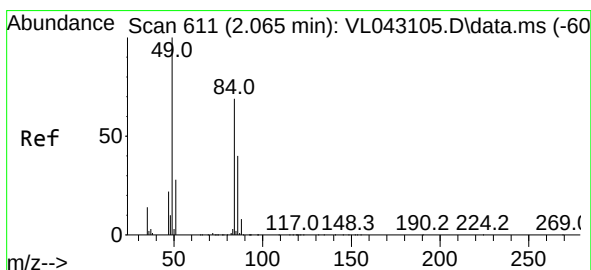
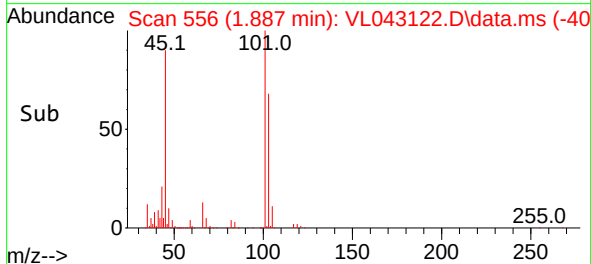
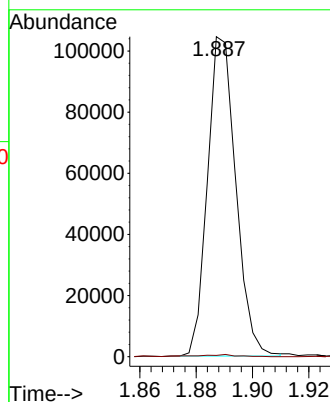
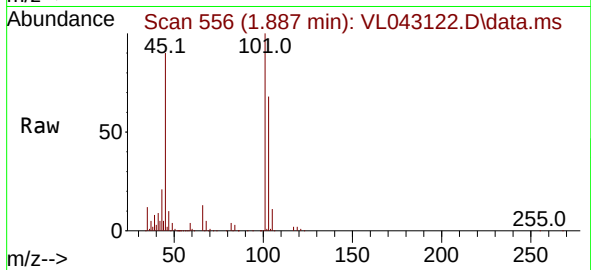
#19
Isopropyl Alcohol
Concen: 9.508 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 45 Resp: 7312
Ion Ratio Lower Upper
45 100
58 40.0 31.3 46.9

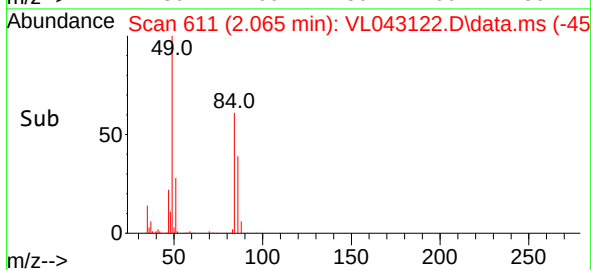
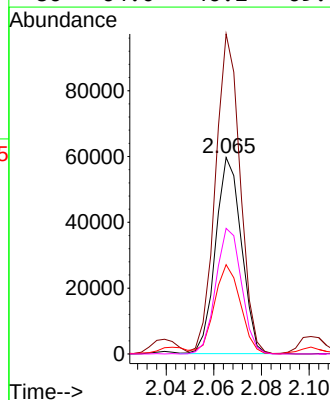
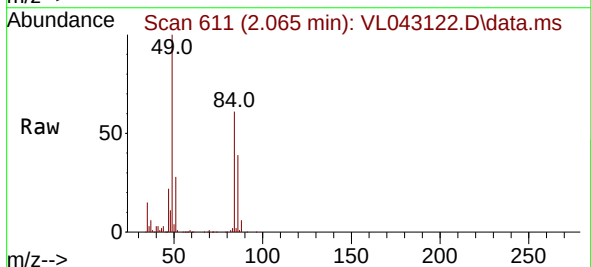
Manual Integrations
APPROVED

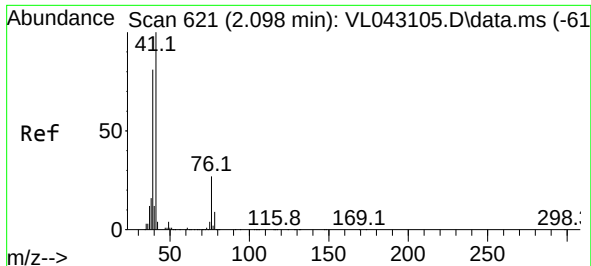
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#20
Methylene Chloride
Concen: 9.190 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 84 Resp: 44858
Ion Ratio Lower Upper
84 100
49 162.8 116.6 175.0
51 45.5 34.8 52.2
86 64.0 46.2 69.4





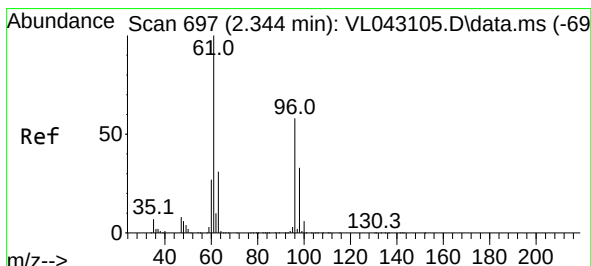
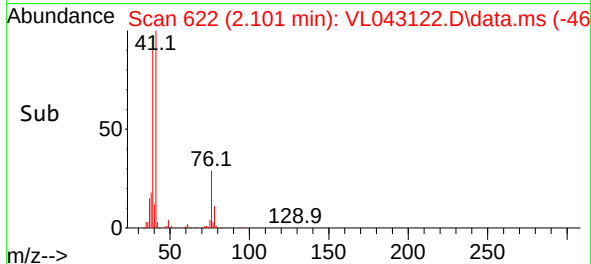
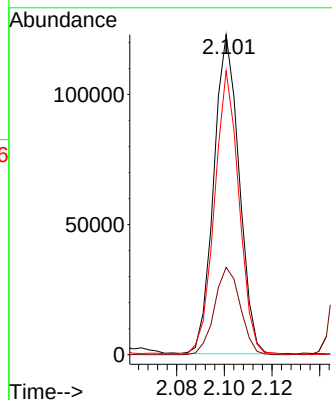
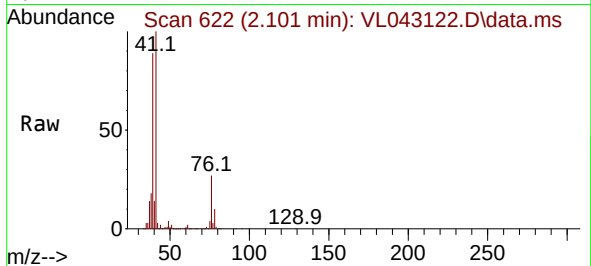
#21
 Allyl Chloride
 Concen: 9.952 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01

Tgt Ion: 41 Resp: 9055
 Ion Ratio Lower Upper
 41 100
 76 27.8 21.5 32.3
 39 85.6 60.8 91.2

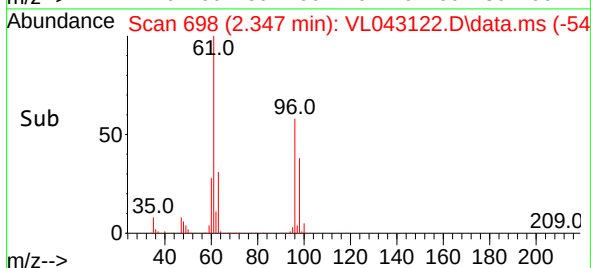
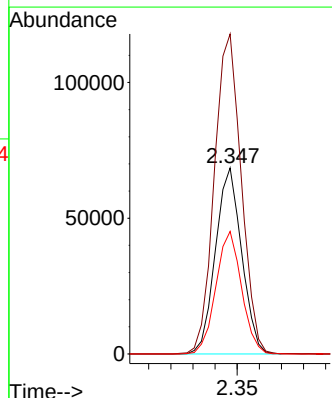
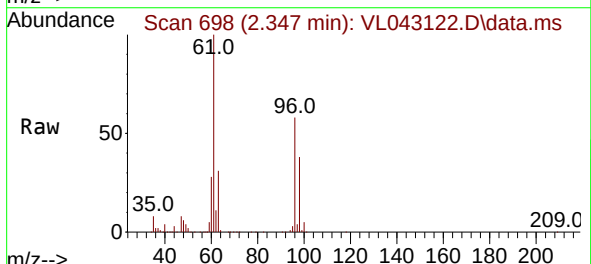
Manual Integrations
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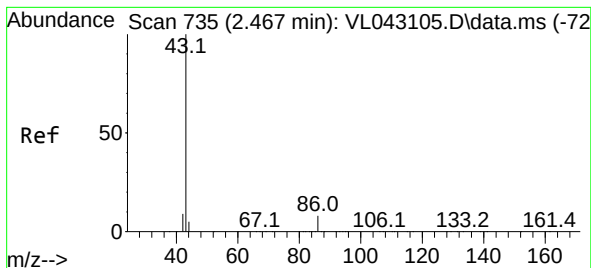
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025



#22
 trans-1,2-Dichloroethene
 Concen: 10.539 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

Tgt Ion: 96 Resp: 56333
 Ion Ratio Lower Upper
 96 100
 61 172.0 137.0 205.6
 98 65.9 45.5 68.3





#23

Vinyl Acetate

Concen: 9.822 ppbv

RT: 2.467 min Scan# 718

Delta R.T. -0.000 min

Lab File: VL043122.D

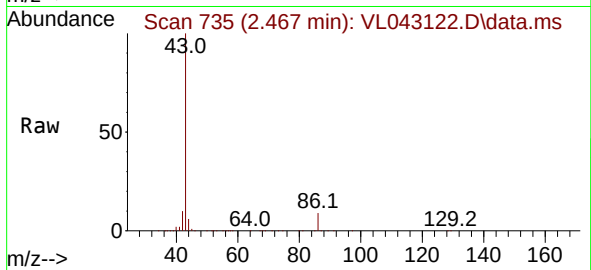
Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL1015ABSD01



Tgt Ion: 43 Resp: 177669

Ion Ratio Lower Upper

43 100

86 8.8 6.2 9.2

42 9.7 7.6 11.4

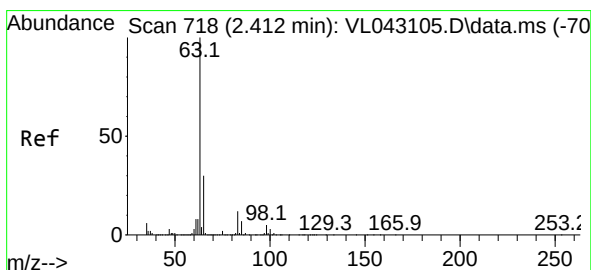
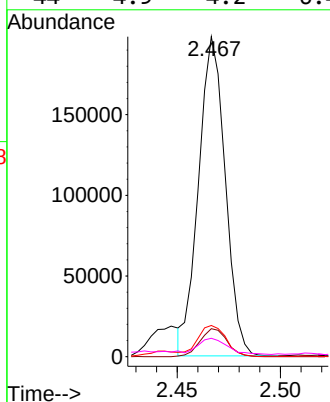
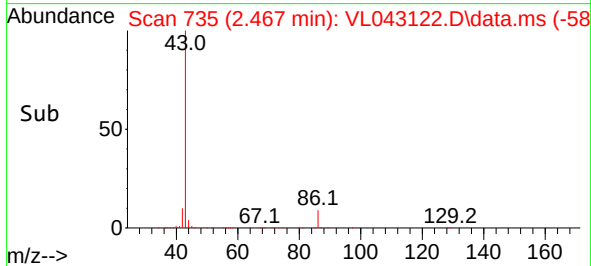
44 4.9 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#24

1,1-Dichloroethane

Concen: 11.006 ppbv

RT: 2.415 min Scan# 719

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

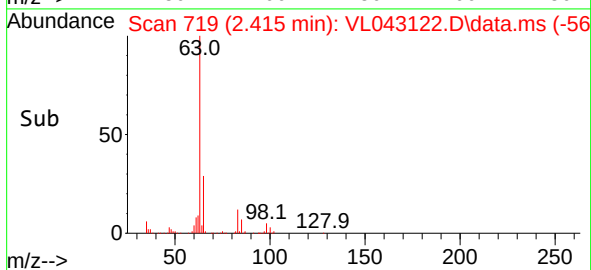
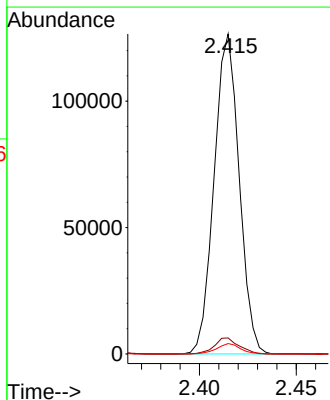
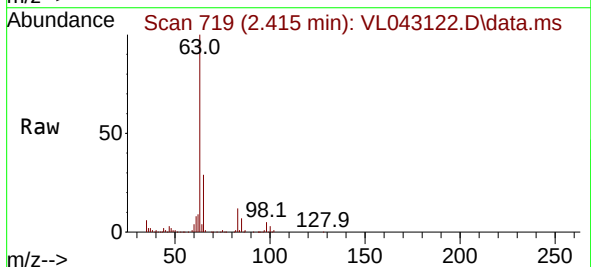
Tgt Ion: 63 Resp: 113663

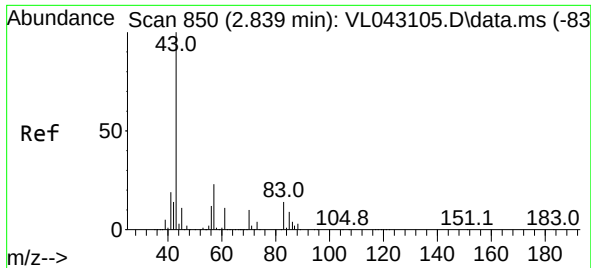
Ion Ratio Lower Upper

63 100

98 5.0 2.6 7.8

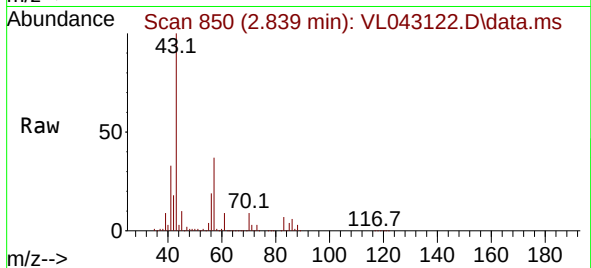
100 3.3 1.5 4.4





#25
Ethyl Acetate
Concen: 8.880 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

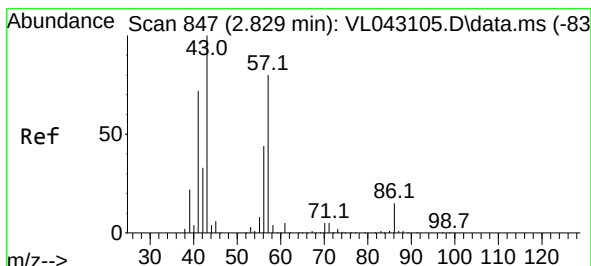
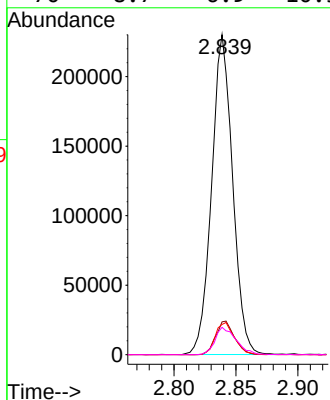
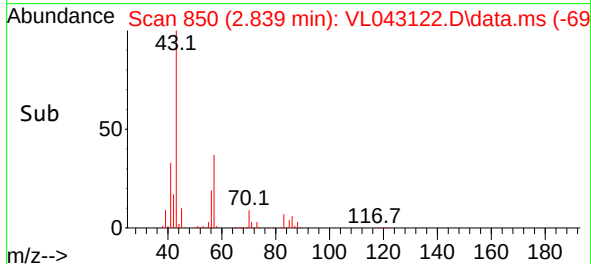
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



Tgt Ion:	43	Resp:	271918
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.3	7.0	10.6
70	8.7	6.9	10.3

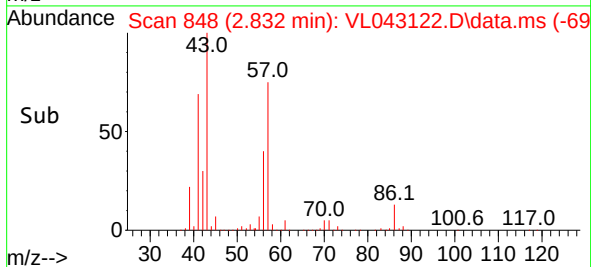
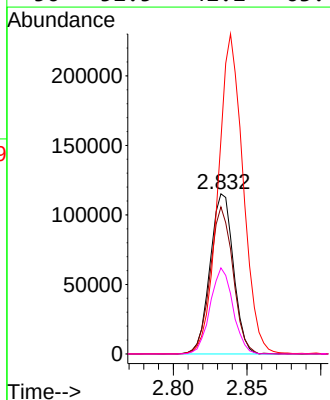
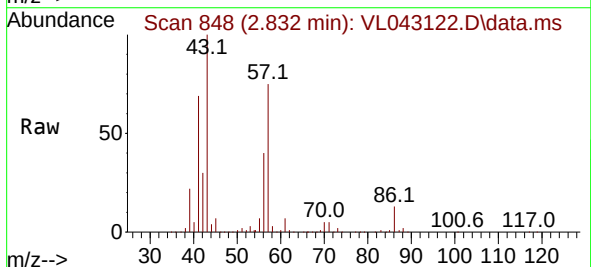
Manual Integrations
APPROVED

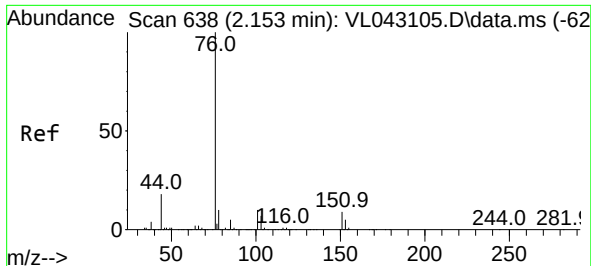
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#26
Hexane
Concen: 8.976 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

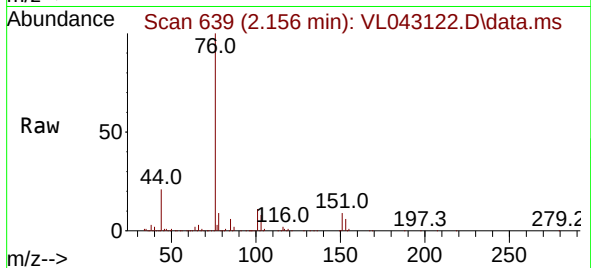
Tgt Ion:	57	Resp:	126655
Ion	Ratio	Lower	Upper
57	100		
41	90.6	71.4	107.0
43	215.7	178.5	267.7
56	52.5	42.2	63.4





#27
Carbon Disulfide
Concen: 10.663 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

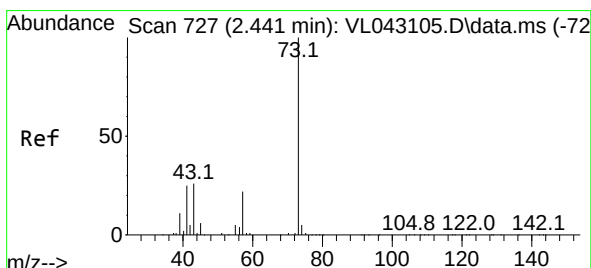
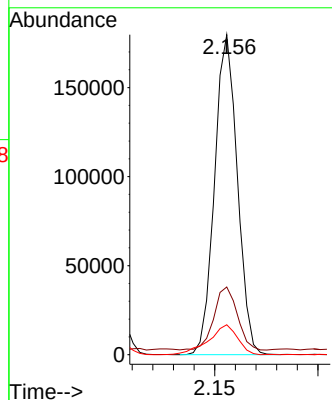
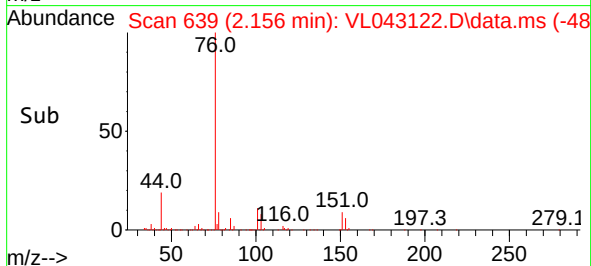
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



Tgt Ion: 76 Resp: 13785
Ion Ratio Lower Upper
76 100
44 20.1 16.7 25.1
78 11.9 9.3 13.9

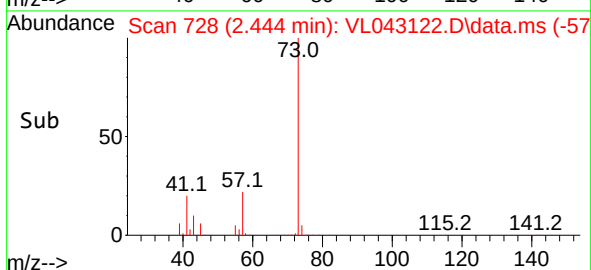
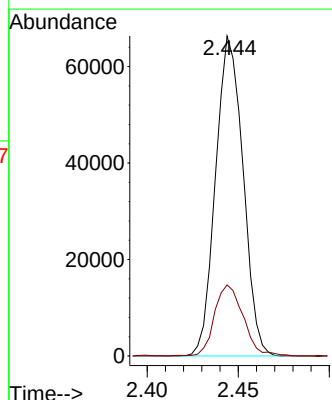
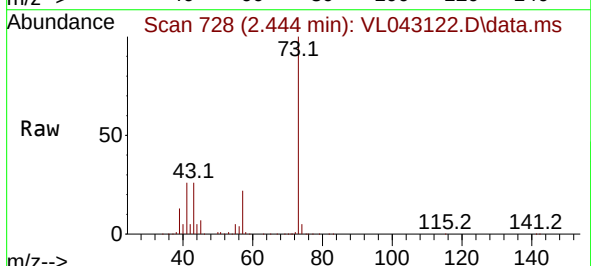
Manual Integrations
APPROVED

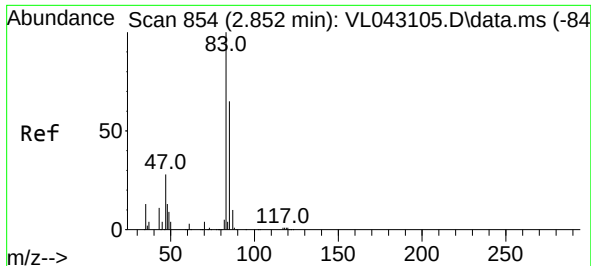
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#28
Methyl tert-Butyl Ether
Concen: 10.818 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 73 Resp: 69446
Ion Ratio Lower Upper
73 100
57 23.5 20.5 30.7





#29

Chloroform

Concen: 10.496 ppbv

RT: 2.855 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL1015ABSD01

Tgt Ion: 83 Resp: 21458

Ion Ratio Lower Upper

83 100

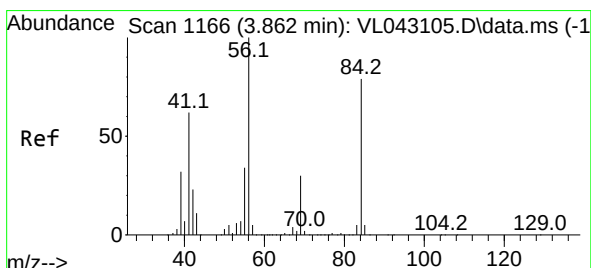
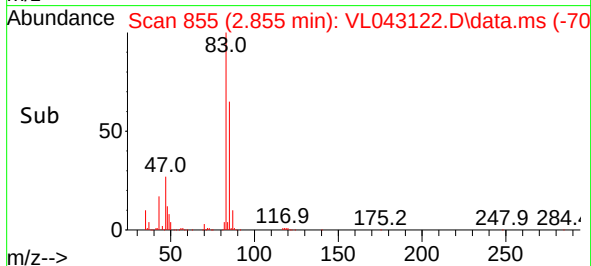
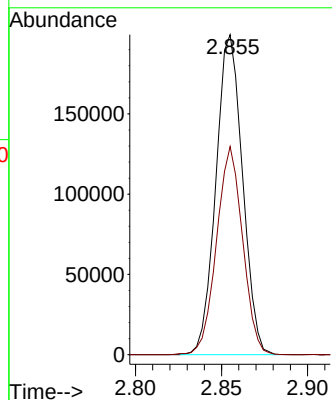
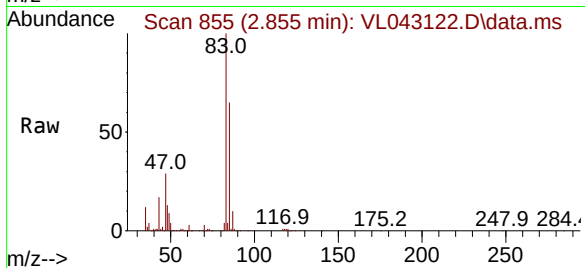
85 65.0 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#30

Cyclohexane

Concen: 9.100 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

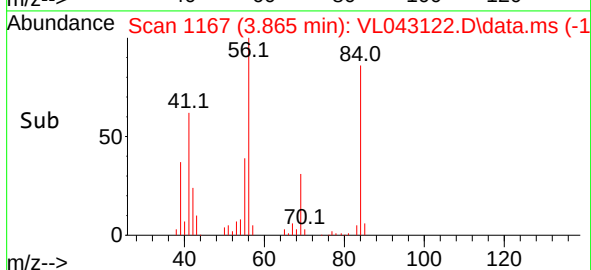
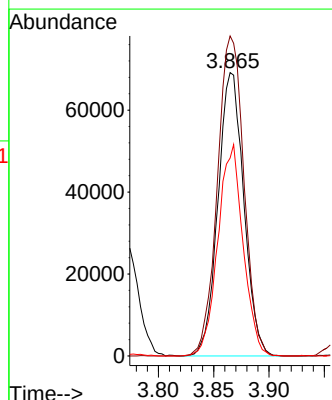
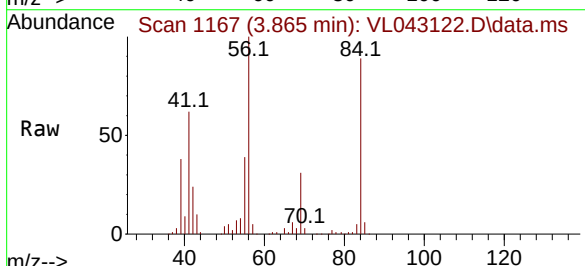
Tgt Ion: 84 Resp: 112065

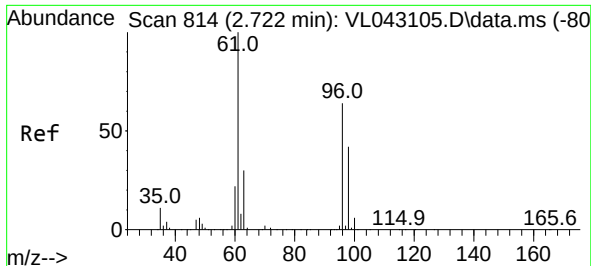
Ion Ratio Lower Upper

84 100

56 116.2 100.9 151.3

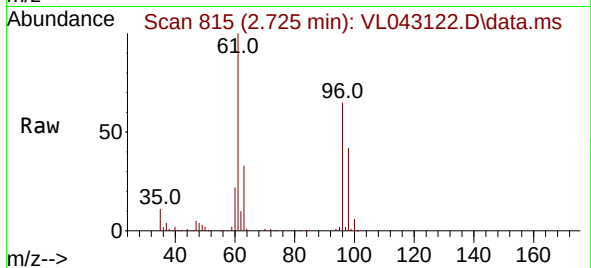
41 72.9 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.216 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

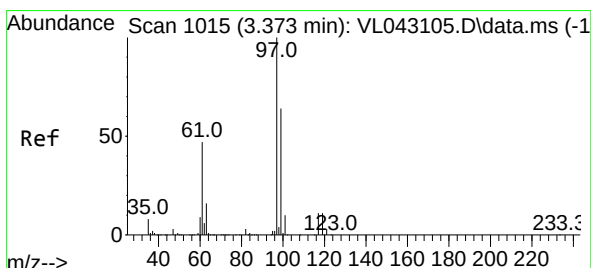
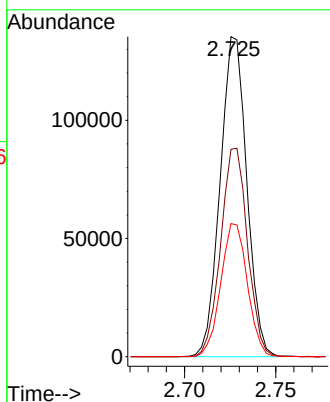
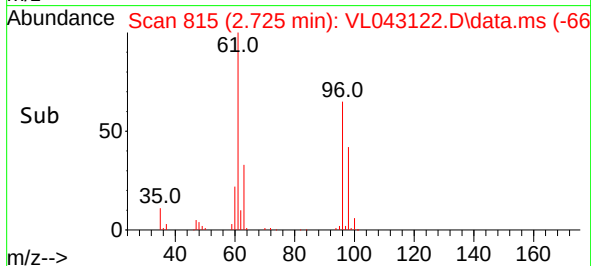
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01



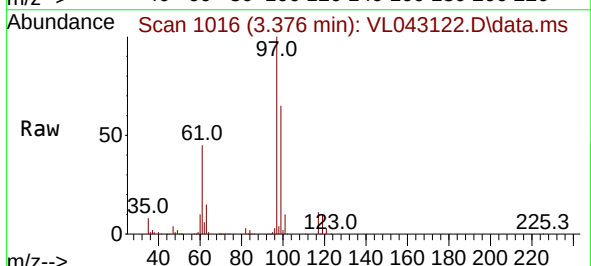
Tgt Ion: 61 Resp: 137648
 Ion Ratio Lower Upper
 61 100
 96 64.8 51.0 76.6
 98 41.6 33.5 50.3

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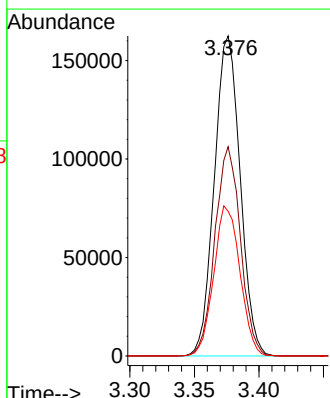
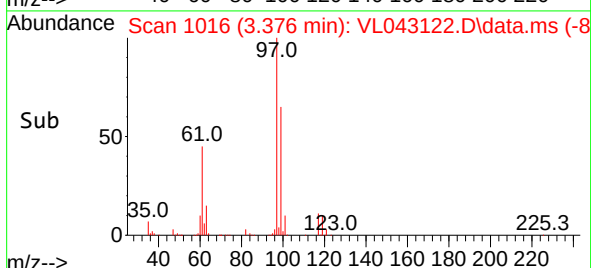
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

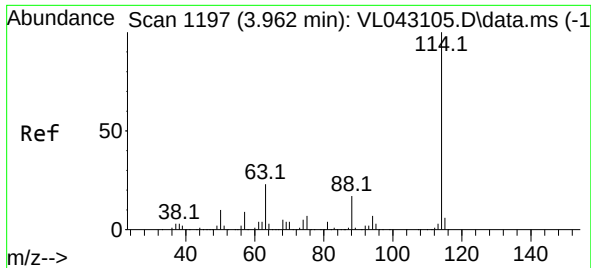


#32
 1,1,1-Trichloroethane
 Concen: 10.634 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57



Tgt Ion: 97 Resp: 226398
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.5 38.4 57.6





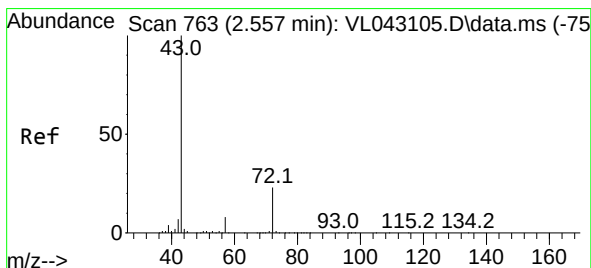
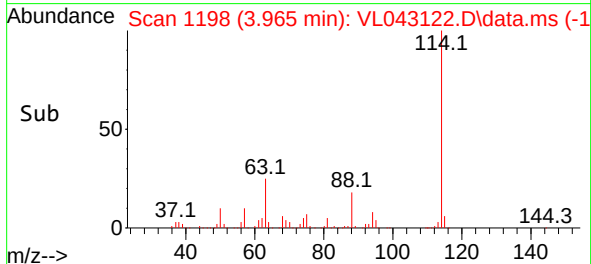
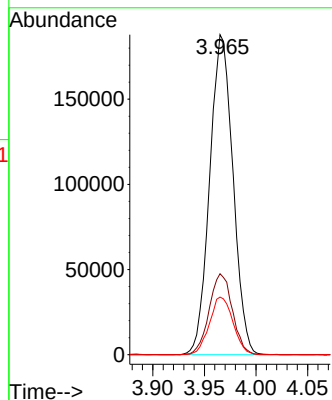
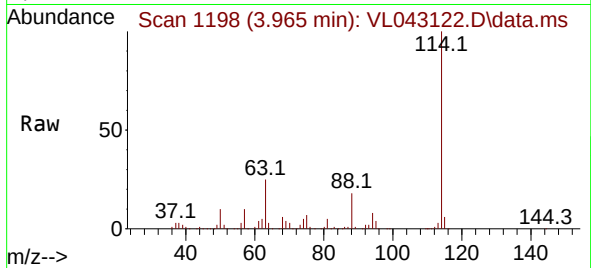
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion:114 Resp: 29431
Ion Ratio Lower Upper
114 100
63 25.3 19.3 28.9
88 18.3 13.9 20.9

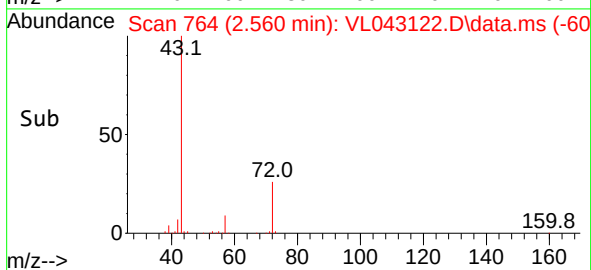
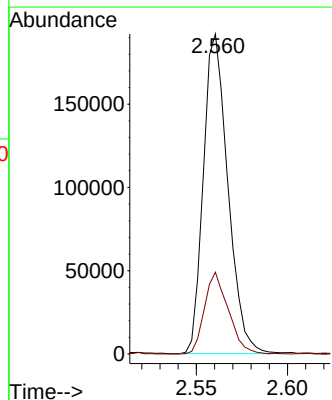
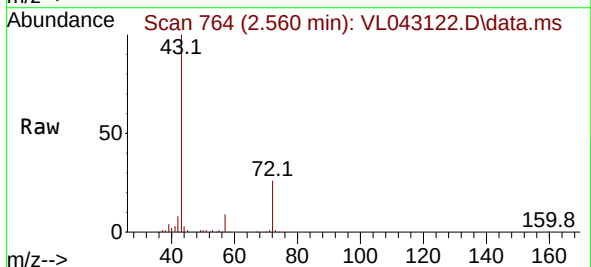
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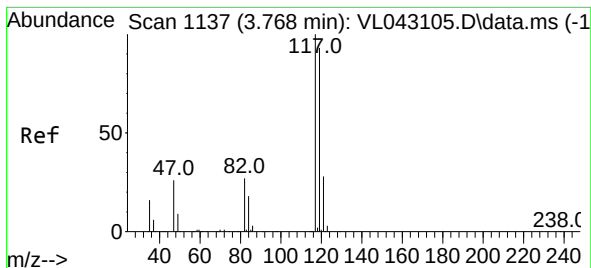
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#34
2-Butanone
Concen: 9.109 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 43 Resp: 180212
Ion Ratio Lower Upper
43 100
72 25.0 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.811 ppbv

RT: 3.771 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL1015ABSD01

Tgt Ion:117 Resp: 22877

Ion Ratio Lower Upper

117 100

119 96.5 74.1 111.1

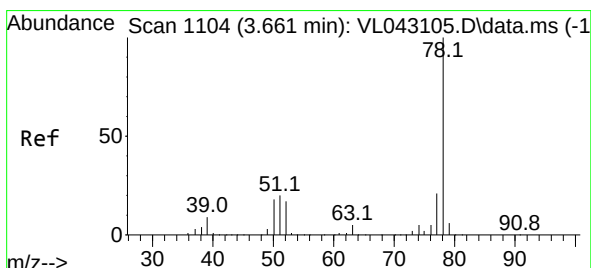
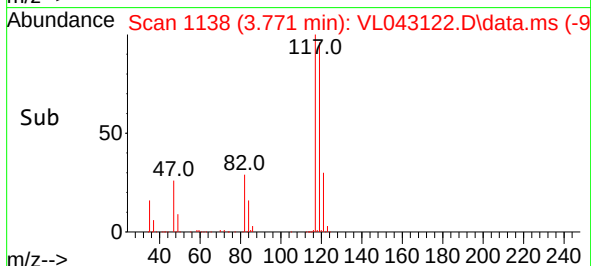
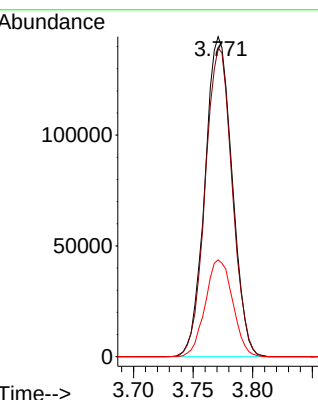
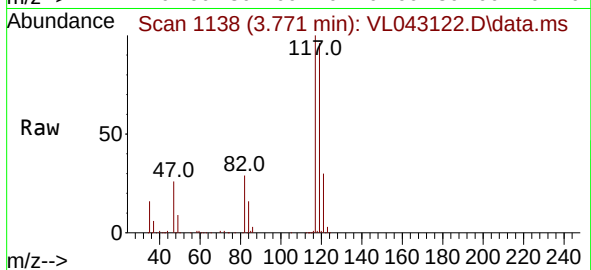
121 30.3 22.2 33.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#36

Benzene

Concen: 9.418 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

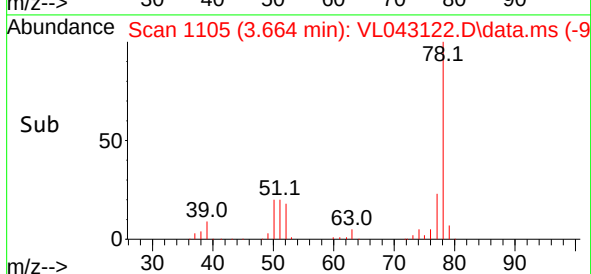
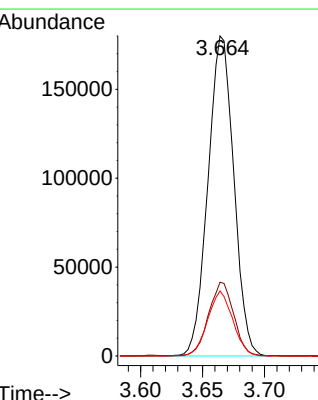
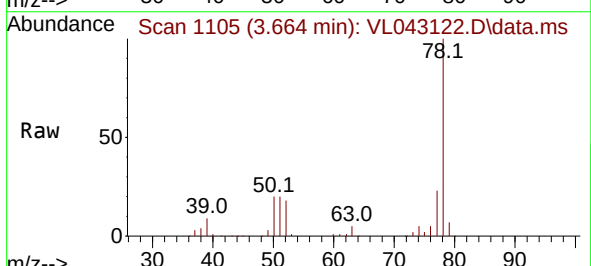
Tgt Ion: 78 Resp: 261070

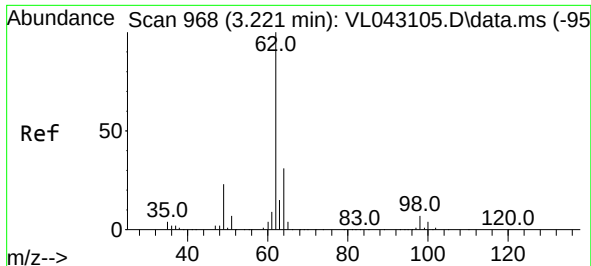
Ion Ratio Lower Upper

78 100

77 23.0 17.0 25.6

50 20.3 14.6 22.0





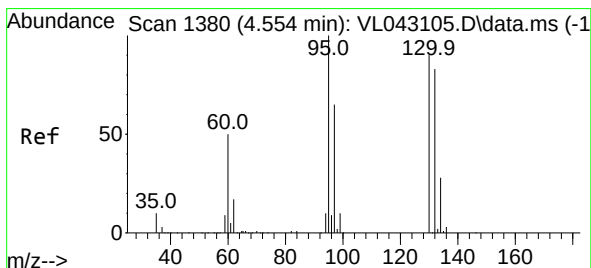
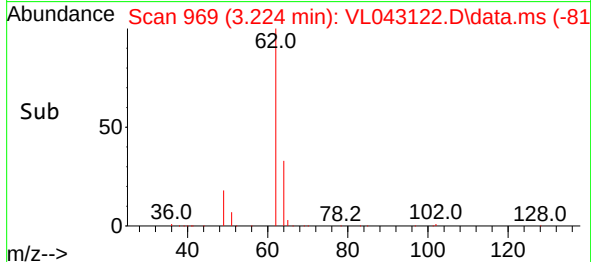
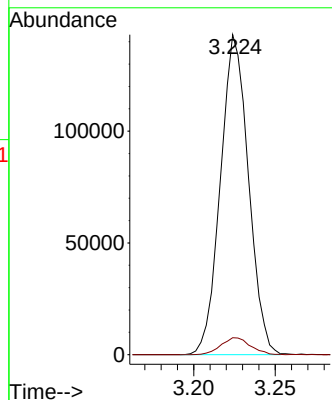
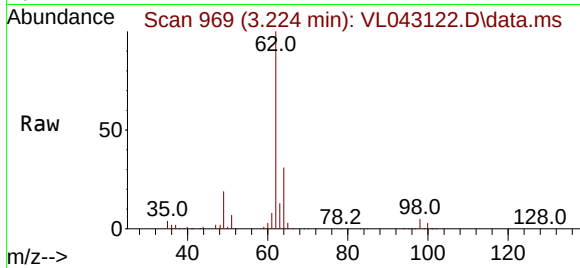
#37
1,2-Dichloroethane
Concen: 10.717 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 62 Resp: 171130
Ion Ratio Lower Upper
62 100
98 5.6 5.8 8.6

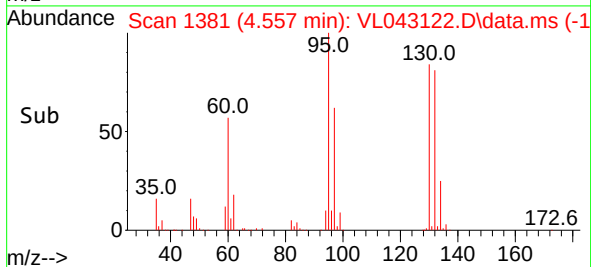
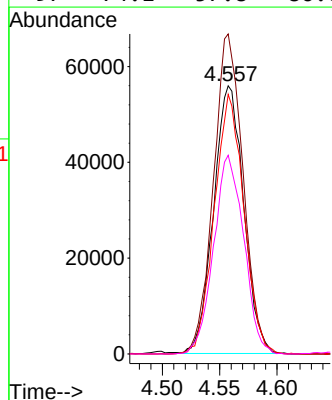
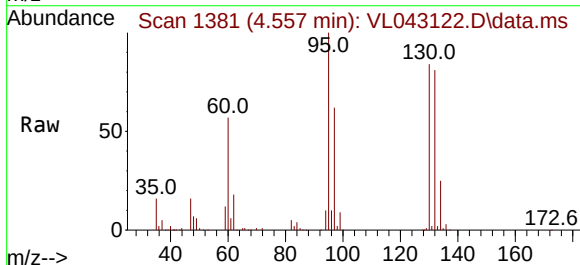
Manual Integrations
APPROVED

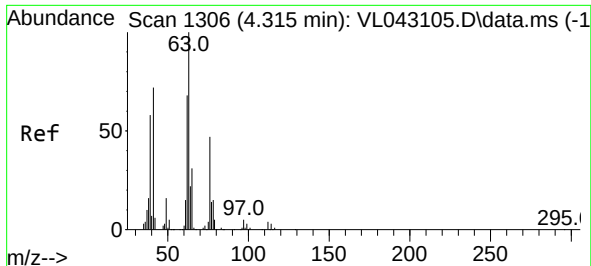
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#38
Trichloroethene
Concen: 8.813 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion:130 Resp: 102021
Ion Ratio Lower Upper
130 100
95 119.3 88.6 133.0
132 96.7 73.4 110.0
97 74.1 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.021 ppbv

RT: 4.321 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

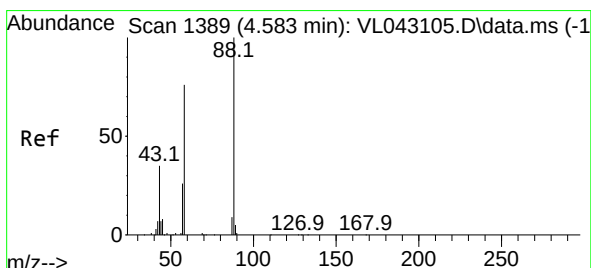
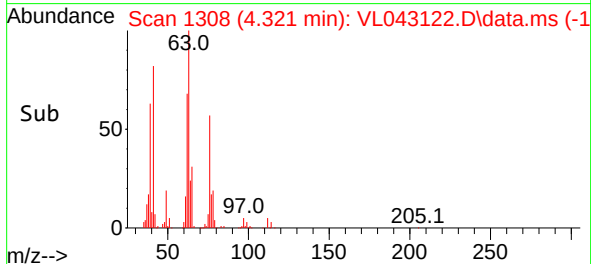
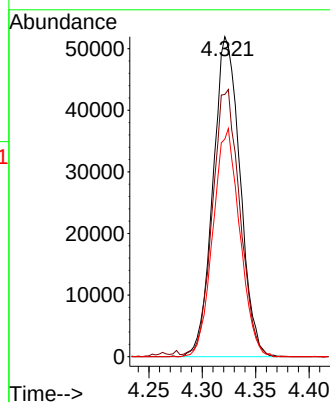
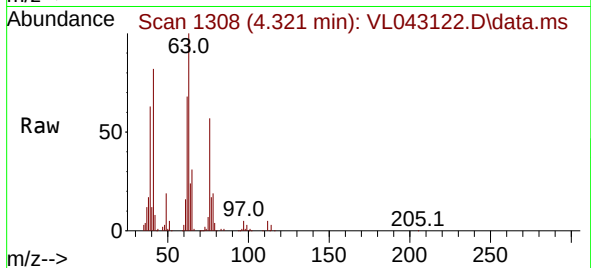
VL1015ABSD01

Tgt Ion:	63	Resp:	9141
Ion	Ratio	Lower	Upper
63	100		
41	81.8	58.0	87.0
62	68.0	54.7	82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#40

1,4-Dioxane

Concen: 9.057 ppbv

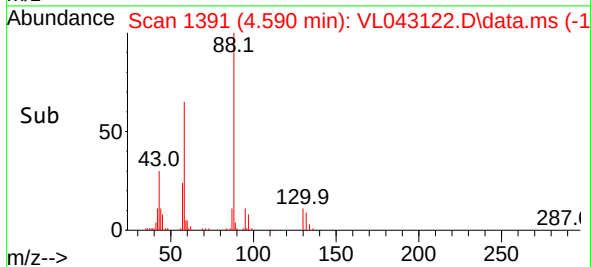
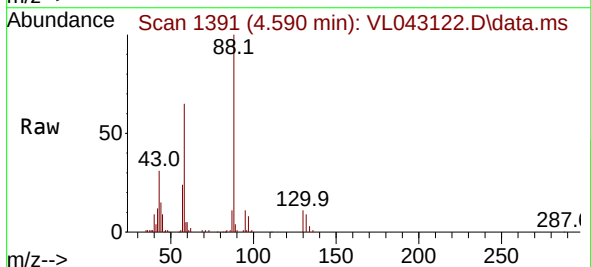
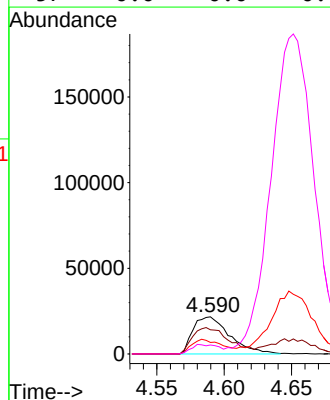
RT: 4.590 min Scan# 1391

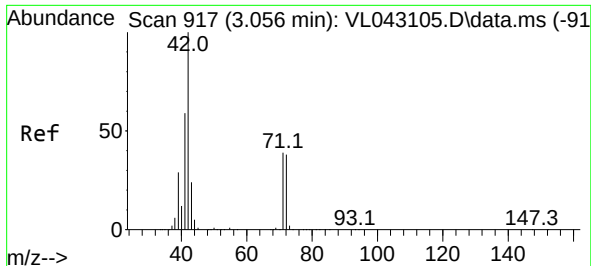
Delta R.T. 0.006 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

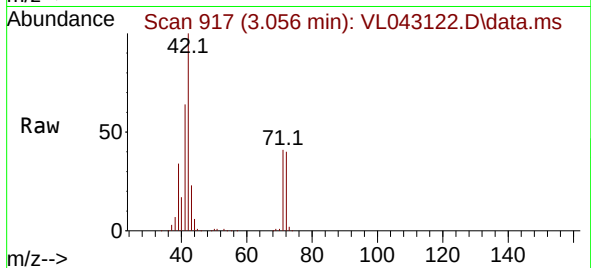
Tgt Ion:	88	Resp:	41071
Ion	Ratio	Lower	Upper
88	100		
58	71.3	61.1	91.7
43	29.9	24.0	36.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 8.131 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

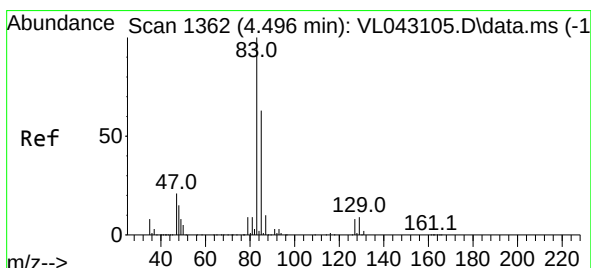
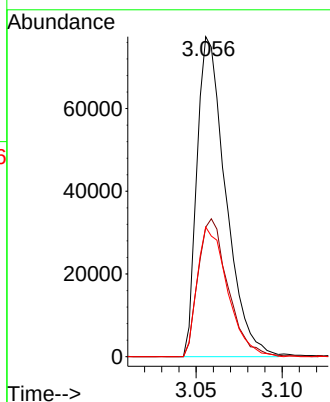
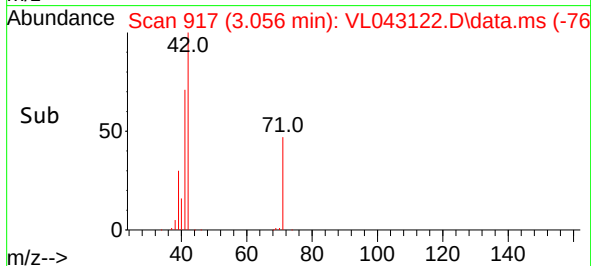
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



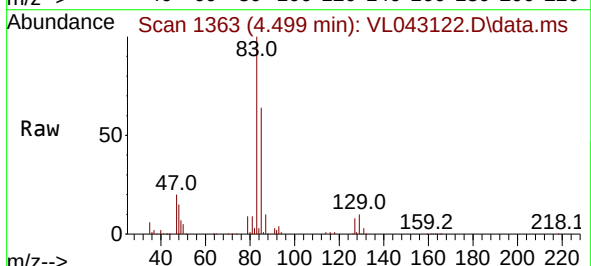
Tgt Ion: 42 Resp: 89968
Ion Ratio Lower Upper
42 100
72 44.9 31.3 46.9
71 42.6 30.4 45.6

Manual Integrations
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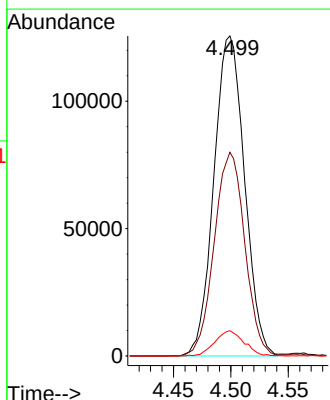
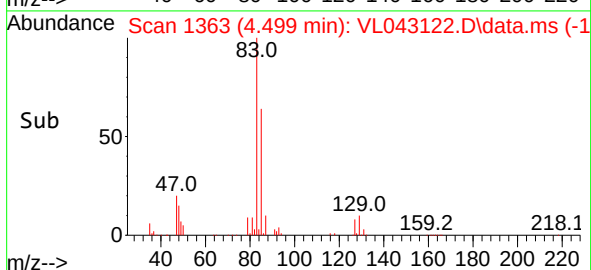
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

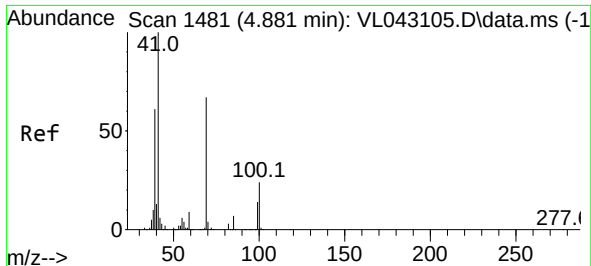


#42
Bromodichloromethane
Concen: 10.563 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



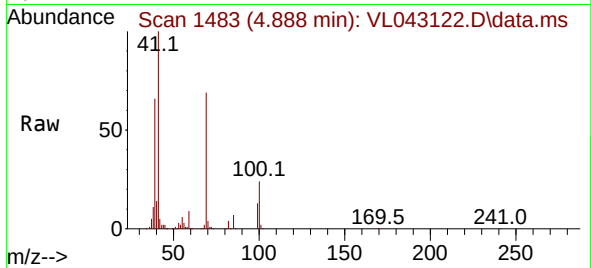
Tgt Ion: 83 Resp: 233460
Ion Ratio Lower Upper
83 100
85 63.6 50.6 75.8
127 7.9 6.3 9.5





#43
Methyl Methacrylate
Concen: 9.059 ppbv
RT: 4.888 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

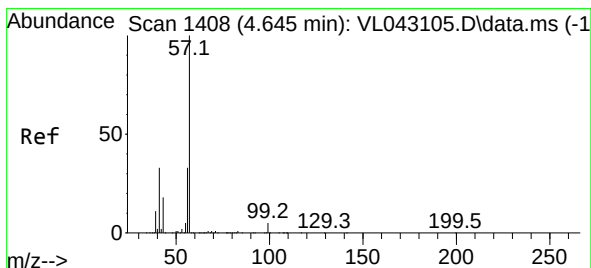
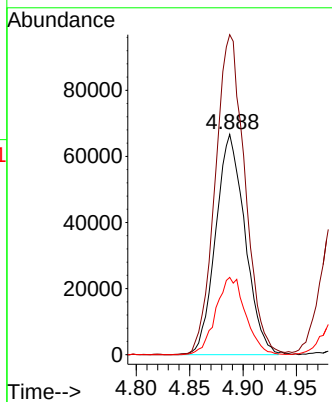
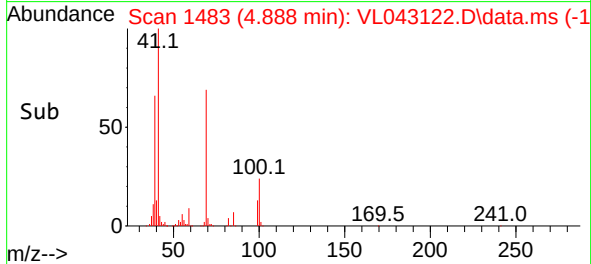
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



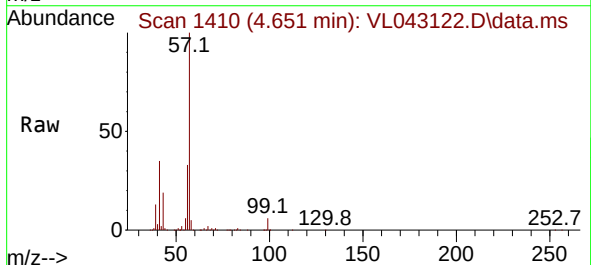
Tgt Ion: 69 Resp: 12754
Ion Ratio Lower Upper
69 100
41 147.1 120.5 180.7
100 35.6 29.0 43.4

Manual Integrations
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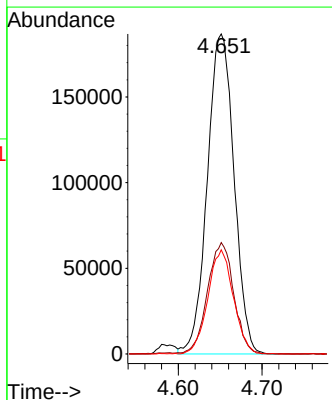
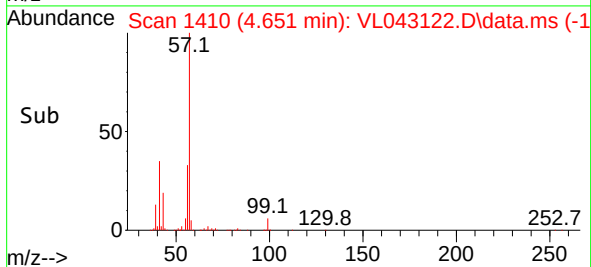
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

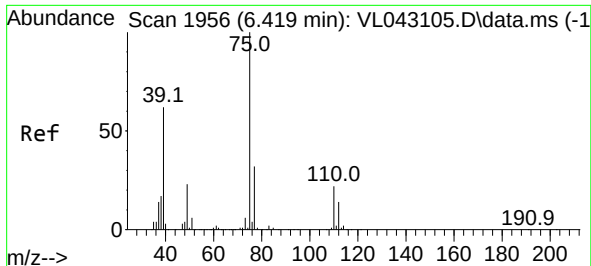


#44
2,2,4-Trimethylpentane
Concen: 8.870 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



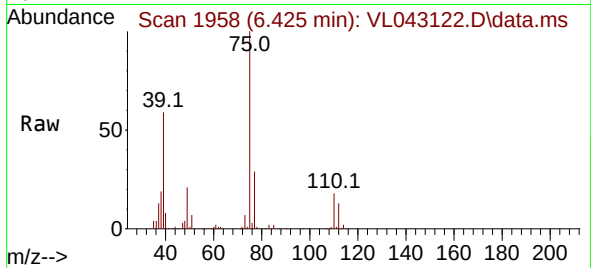
Tgt Ion: 57 Resp: 414817
Ion Ratio Lower Upper
57 100
41 34.4 26.3 39.5
56 31.1 25.9 38.9





#45
t-1,3-Dichloropropene
Concen: 9.773 ppbv
RT: 6.425 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

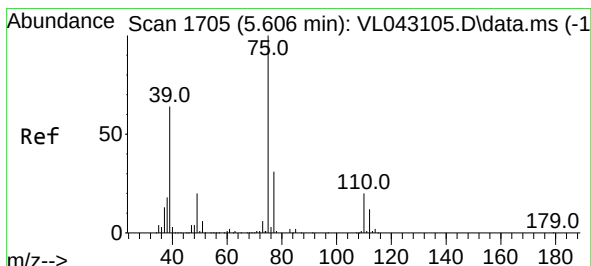
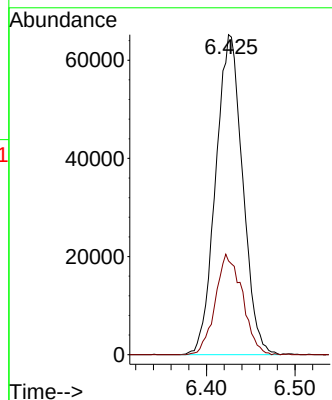
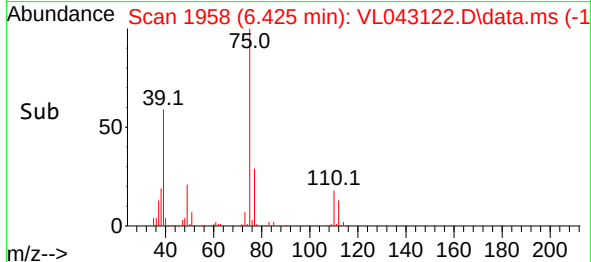
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



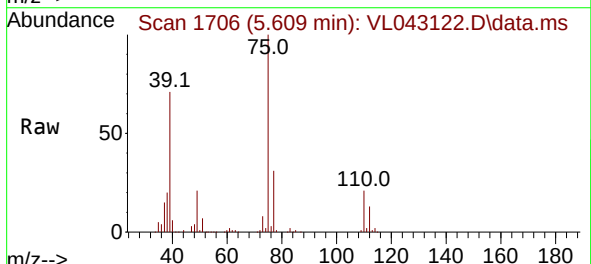
Tgt Ion: 75 Resp: 13808
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.2

Manual Integrations
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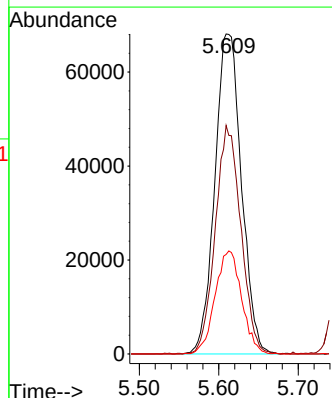
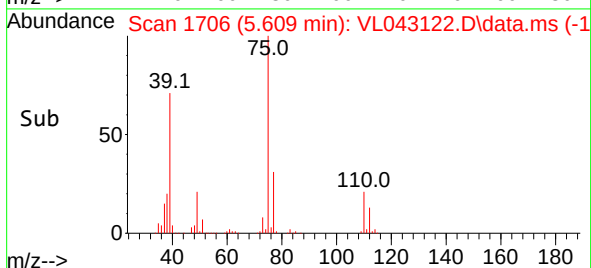
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

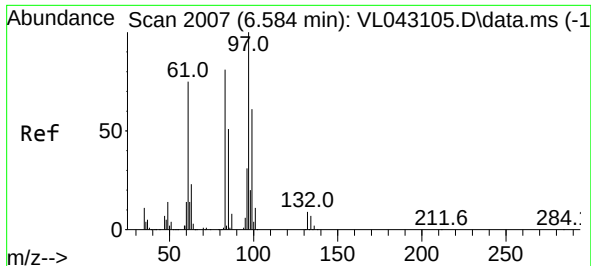


#46
cis-1,3-Dichloropropene
Concen: 9.390 ppbv
RT: 5.609 min Scan# 1706
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



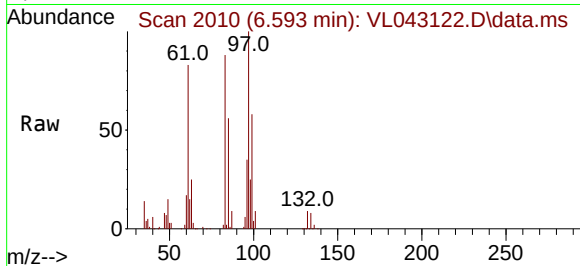
Tgt Ion: 75 Resp: 158488
Ion Ratio Lower Upper
75 100
39 71.4 51.0 76.6
77 31.1 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 9.356 ppbv
RT: 6.593 min Scan# 2007
Delta R.T. 0.009 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

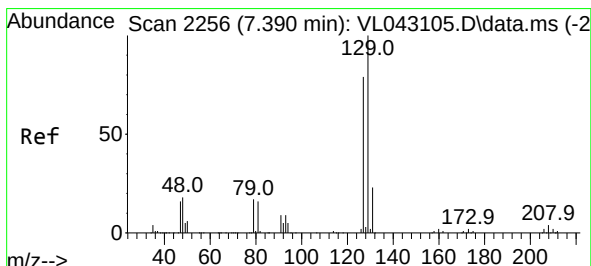
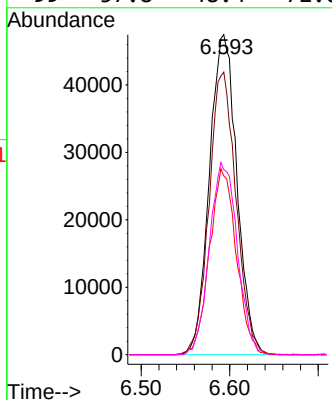
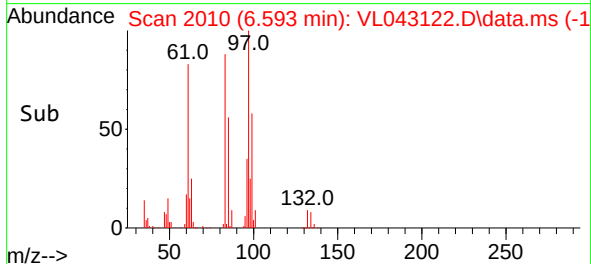
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



Tgt Ion: 97 Resp: 10238
Ion Ratio Lower Upper
97 100
83 88.2 64.6 96.8
85 55.8 40.6 60.8
99 57.8 48.4 72.6

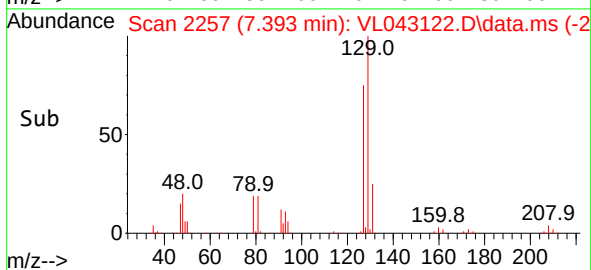
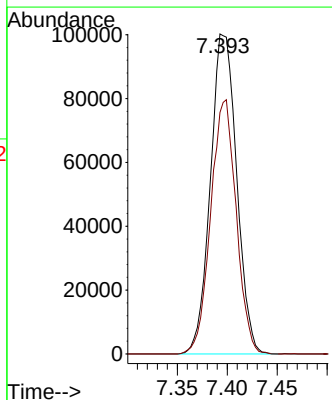
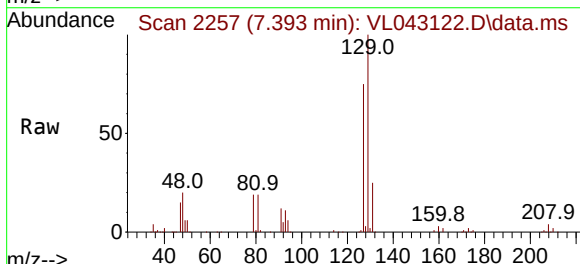
Manual Integrations
APPROVED

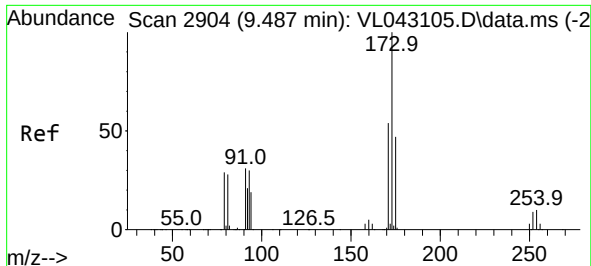
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#48
Dibromochloromethane
Concen: 10.029 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion:129 Resp: 183501
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.9





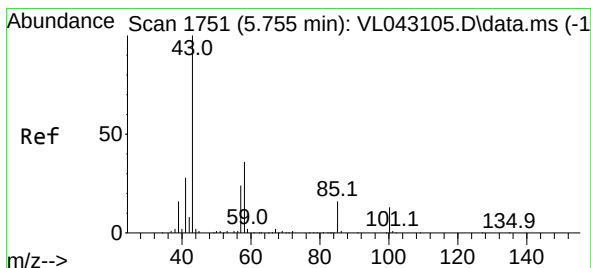
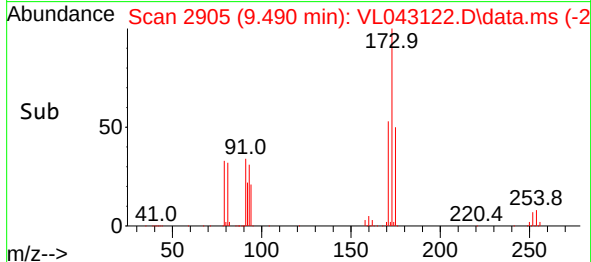
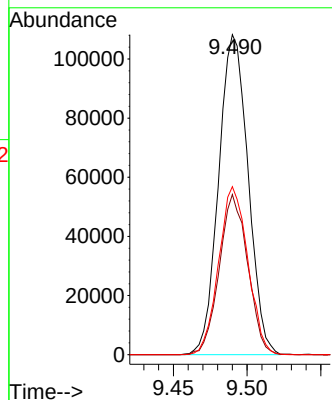
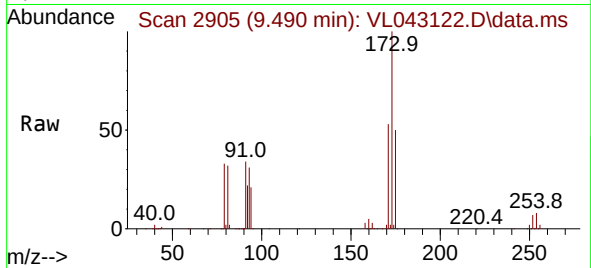
#49
Bromoform
Concen: 10.102 ppbv
RT: 9.490 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion:173 Resp: 150248
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
171 51.9 41.7 62.5

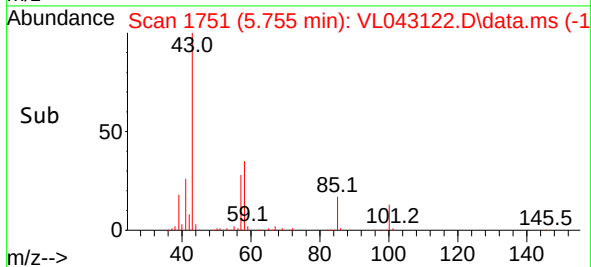
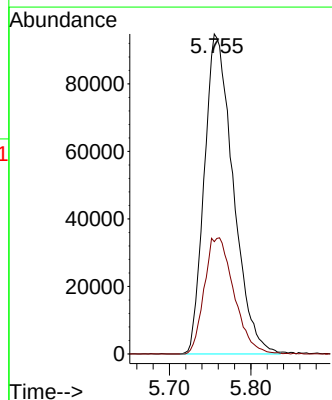
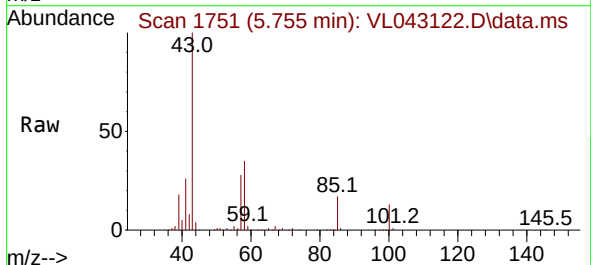
Manual Integrations
APPROVED

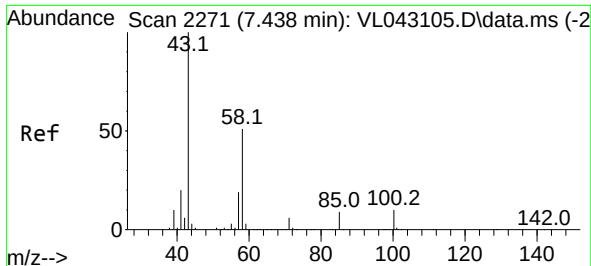
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#50
4-Methyl-2-Pentanone
Concen: 8.535 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 43 Resp: 233019
Ion Ratio Lower Upper
43 100
58 37.4 29.1 43.7





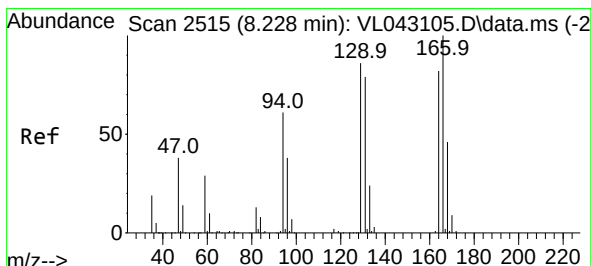
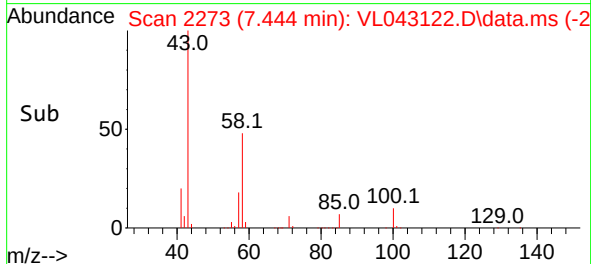
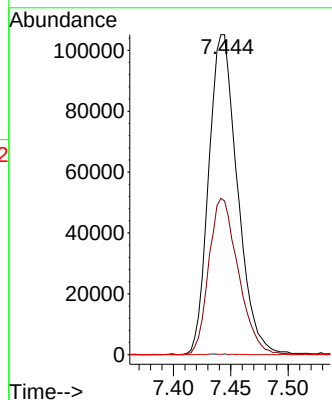
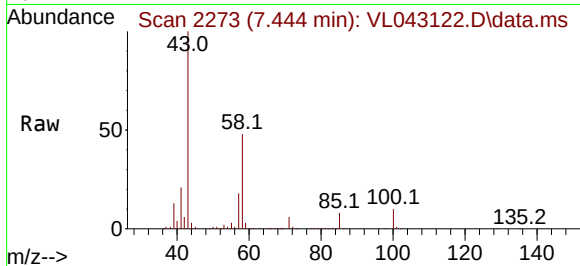
#51
2-Hexanone
Concen: 8.933 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 43 Resp: 18293
Ion Ratio Lower Upper
43 100
58 50.5 40.4 60.6
98 0.2 0.1 0.1

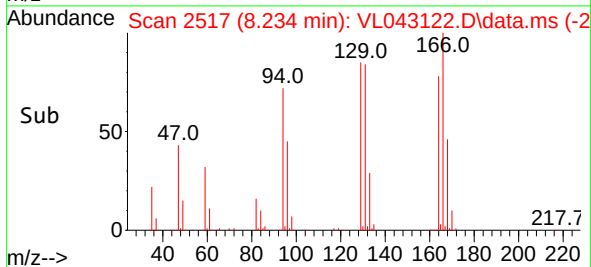
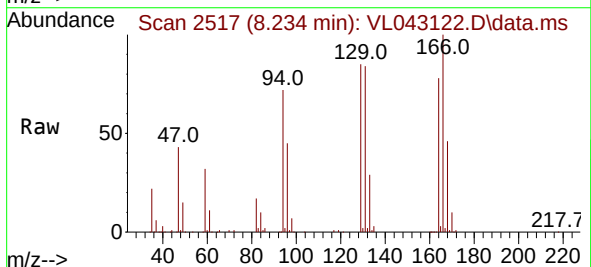
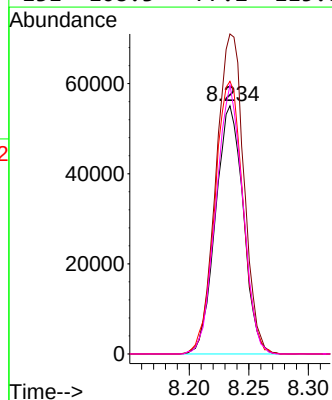
Manual Integrations
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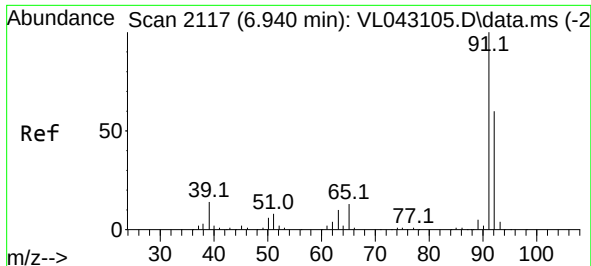
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#52
Tetrachloroethene
Concen: 8.885 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion:164 Resp: 88818
Ion Ratio Lower Upper
164 100
166 129.0 97.6 146.4
129 109.8 84.5 126.7
131 108.3 77.2 115.8





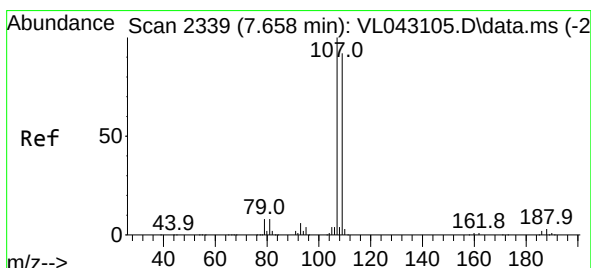
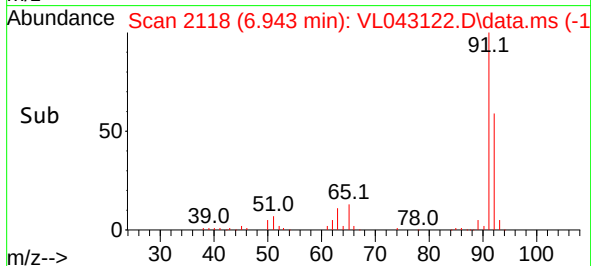
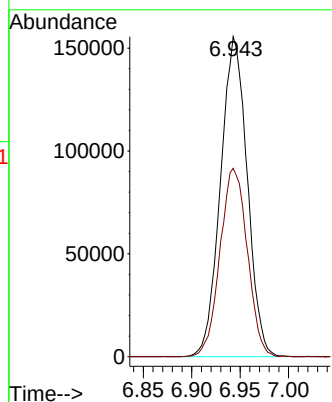
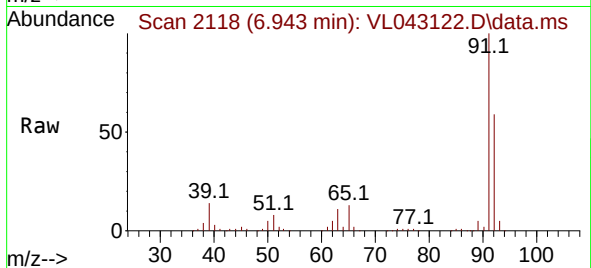
#53
Toluene
Concen: 9.066 ppbv
RT: 6.943 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 91 Resp: 29827
Ion Ratio Lower Upper
91 100
92 60.3 48.8 73.2

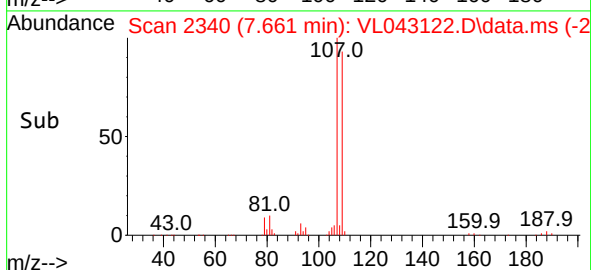
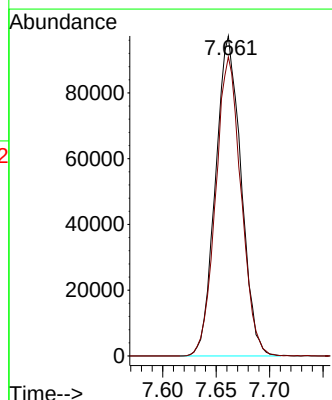
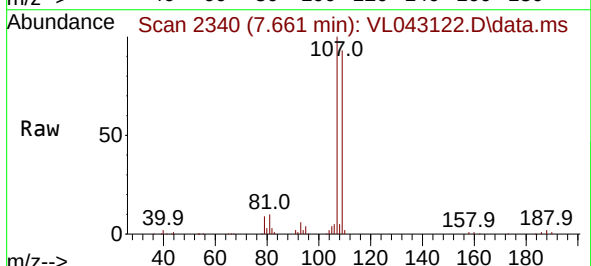
Manual Integrations
APPROVED

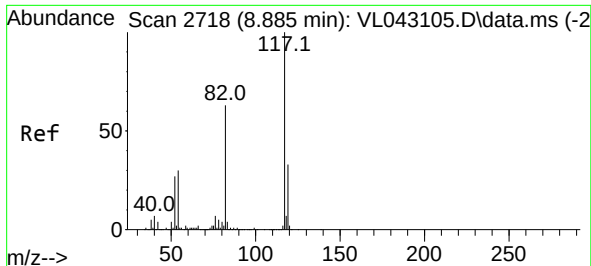
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#54
1,2-Dibromoethane
Concen: 9.452 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion:107 Resp: 162018
Ion Ratio Lower Upper
107 100
109 93.5 73.4 110.2





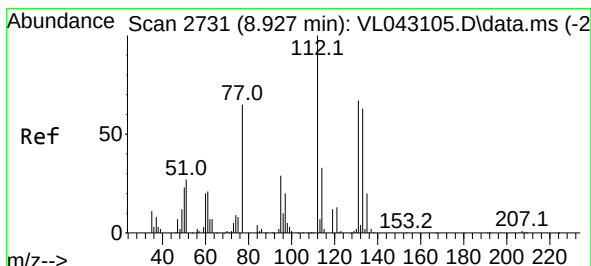
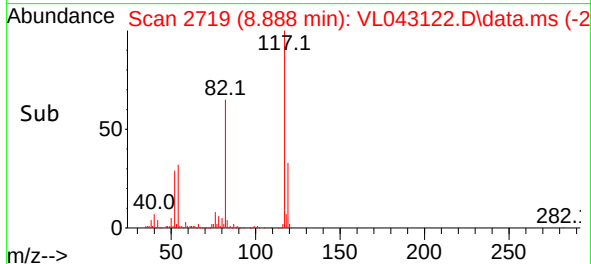
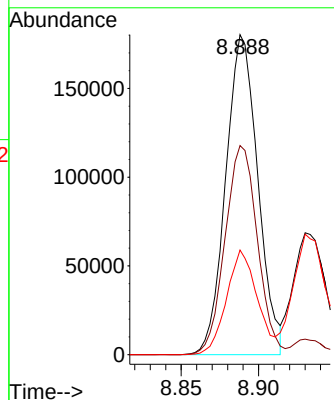
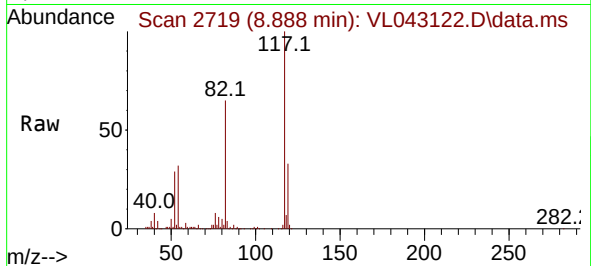
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion:117 Resp: 260330
Ion Ratio Lower Upper
117 100
82 70.3 53.8 80.8
119 30.6 25.4 38.0

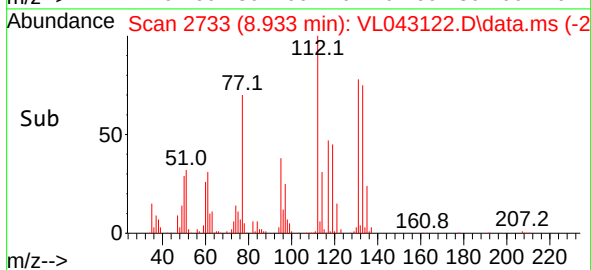
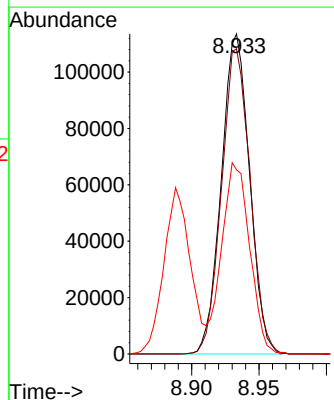
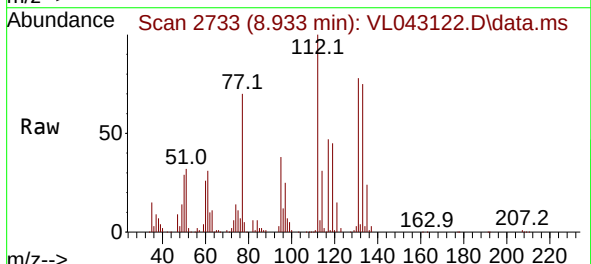
Manual Integrations
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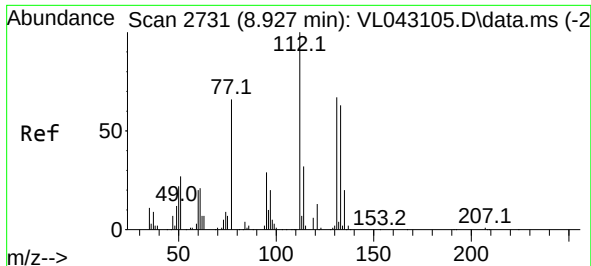
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.085 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion:131 Resp: 165501
Ion Ratio Lower Upper
131 100
133 96.5 75.7 113.5
119 57.8 50.6 76.0





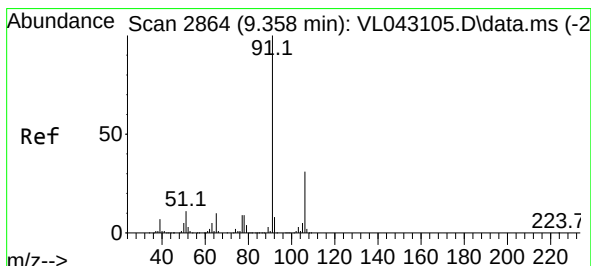
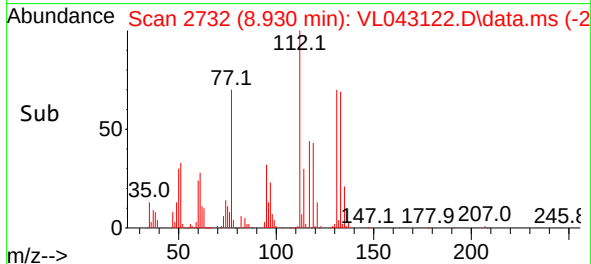
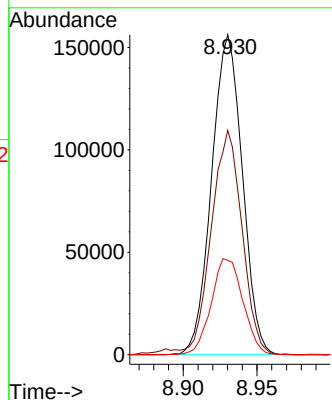
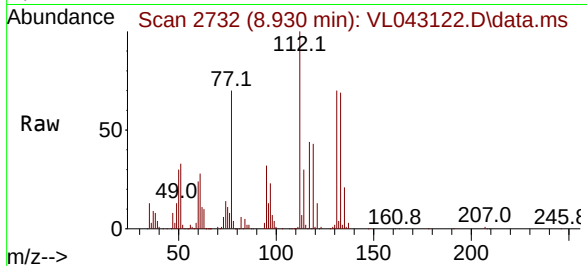
#57
Chlorobenzene
Concen: 9.261 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion:112 Resp: 22554
Ion Ratio Lower Upper
112 100
77 70.2 53.3 79.9
114 29.5 29.3 35.8

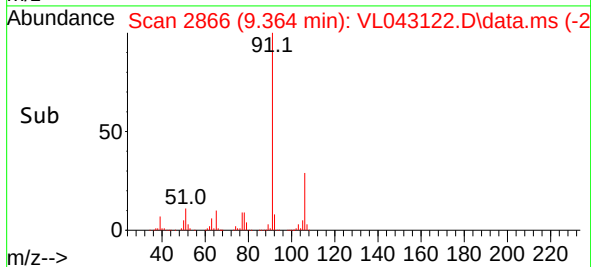
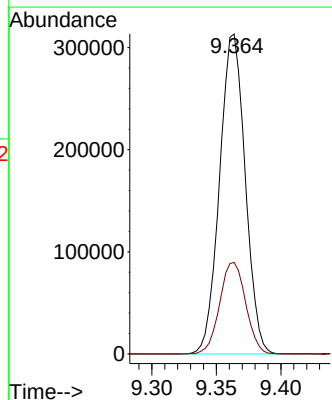
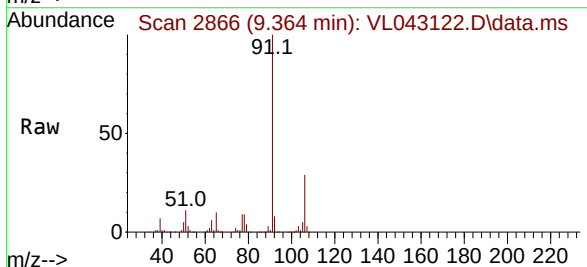
Manual Integrations
APPROVED

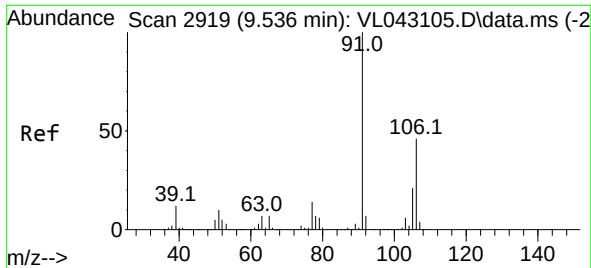
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#58
Ethyl Benzene
Concen: 9.672 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.006 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Tgt Ion: 91 Resp: 432119
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2





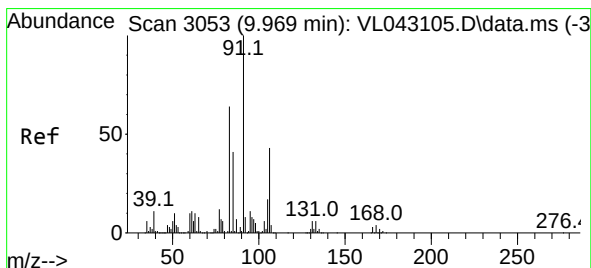
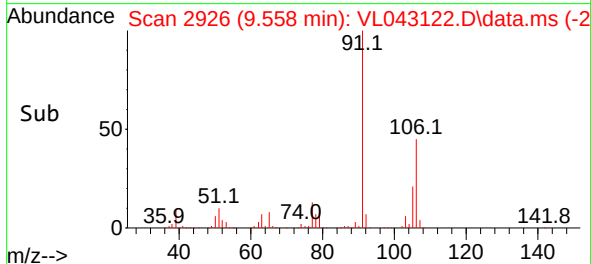
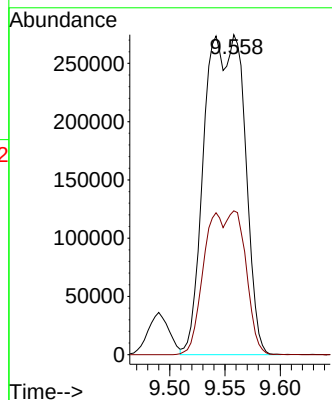
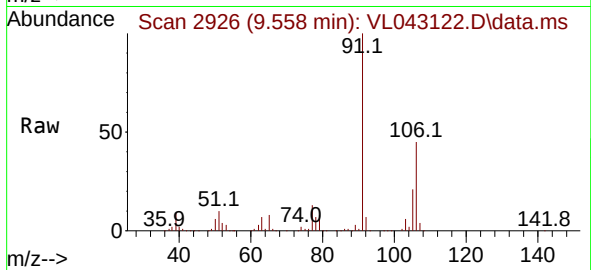
#59
m/p-Xylene
Concen: 19.591 ppbv m
RT: 9.558 min Scan# 2919
Delta R.T. 0.022 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 91 Resp: 698130
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

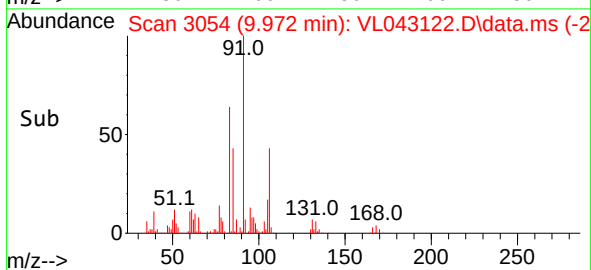
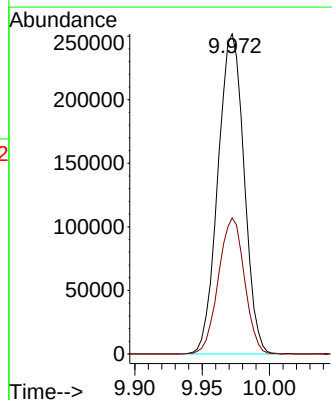
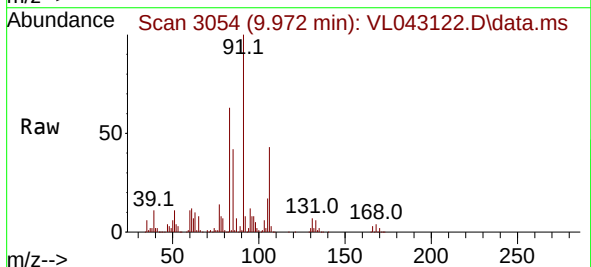
Manual Integrations
APPROVED

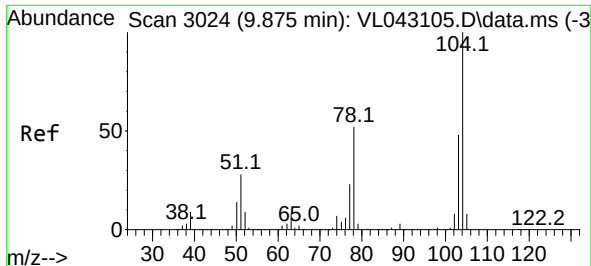
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#60
o-Xylene
Concen: 9.657 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

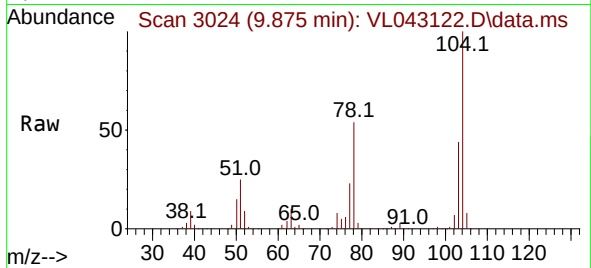
Tgt Ion: 91 Resp: 339885
Ion Ratio Lower Upper
91 100
106 42.2 21.9 65.8





#61
Styrene
Concen: 9.408 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

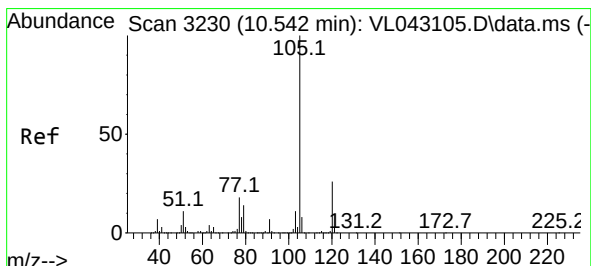
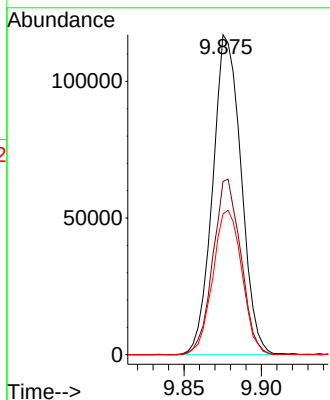
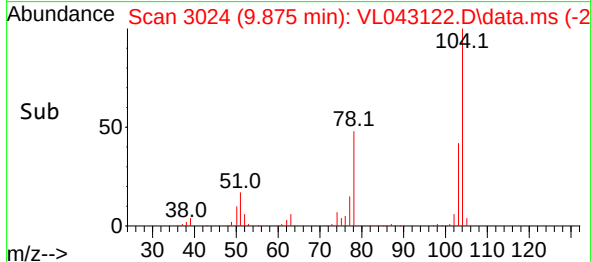
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



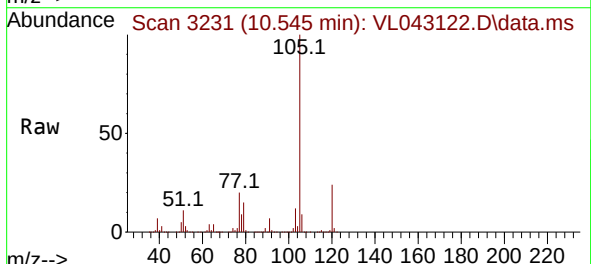
Tgt Ion:104 Resp: 149479
Ion Ratio Lower Upper
104 100
78 53.9 40.2 60.2
103 46.2 36.9 55.3

Manual Integrations
APPROVED

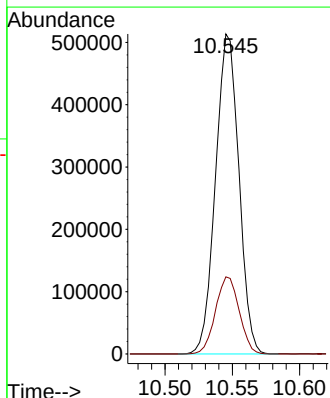
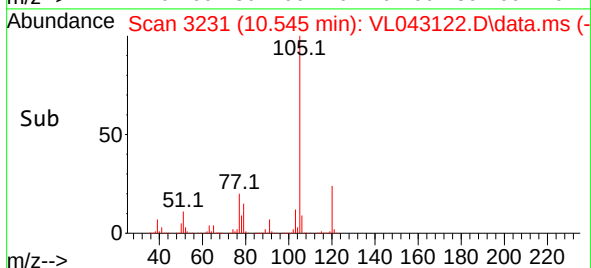
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

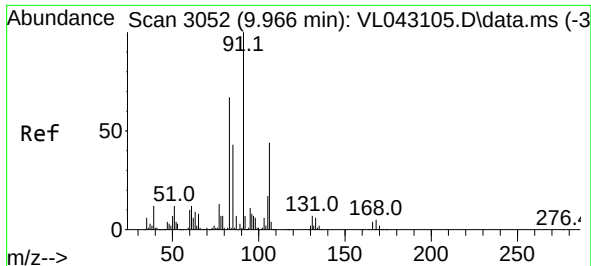


#62
Isopropylbenzene
Concen: 9.727 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



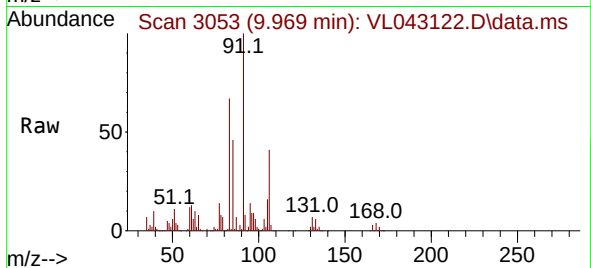
Tgt Ion:105 Resp: 618625
Ion Ratio Lower Upper
105 100
120 24.4 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 8.964 ppbv
RT: 9.969 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

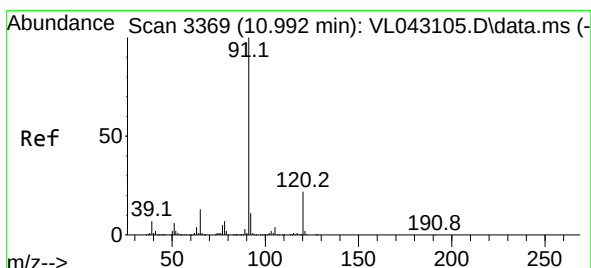
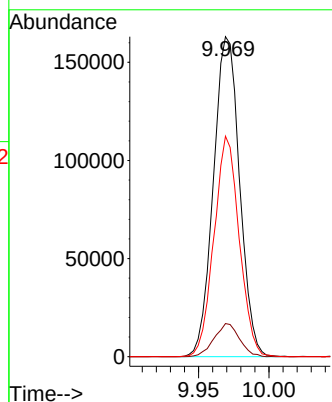
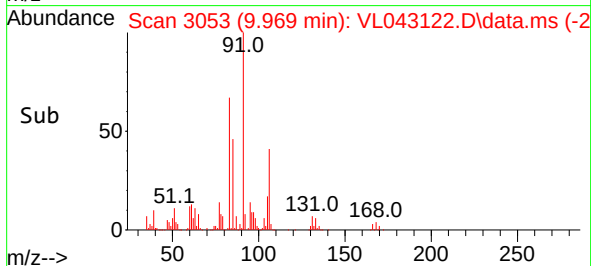
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



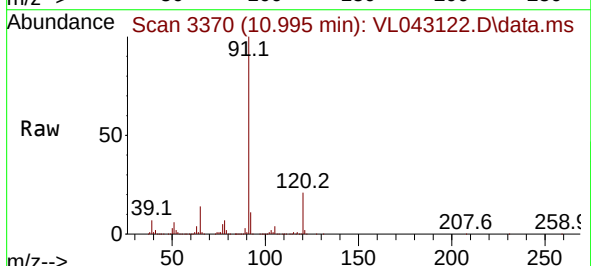
Tgt Ion: 83 Resp: 211262
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 66.3 32.0 96.0

Manual Integrations
APPROVED

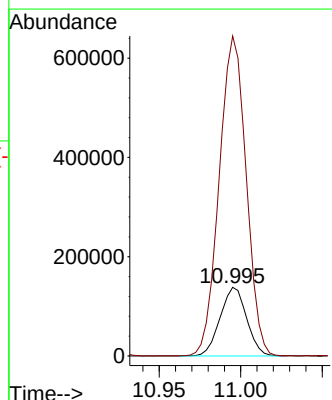
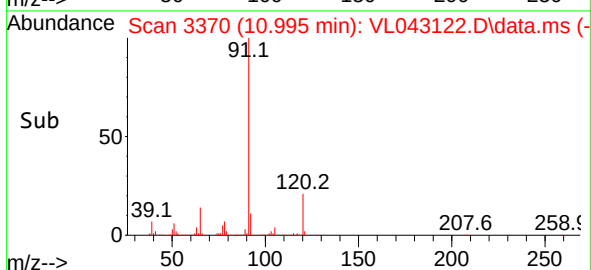
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

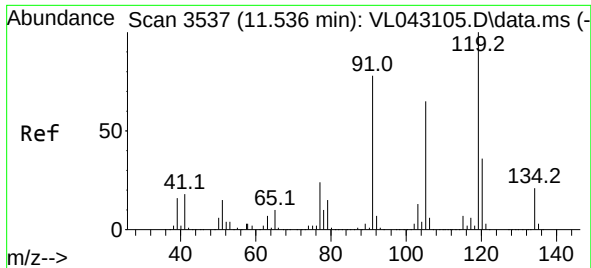


#64
n-propylbenzene
Concen: 9.273 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



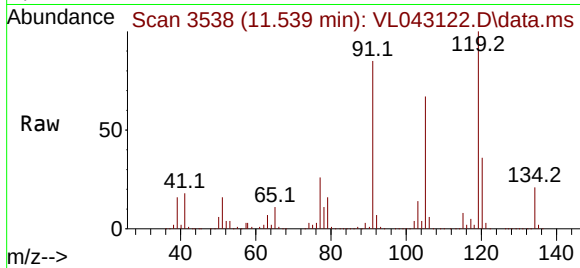
Tgt Ion:120 Resp: 156132
Ion Ratio Lower Upper
120 100
91 475.6 361.6 542.4





#65
tert-Butylbenzene
Concen: 9.200 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

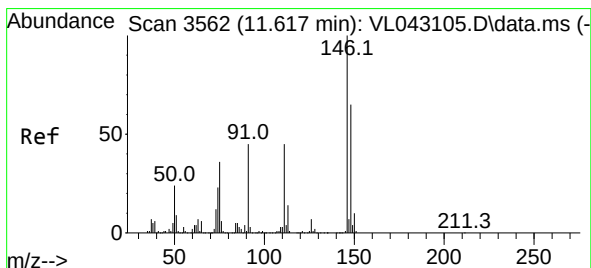
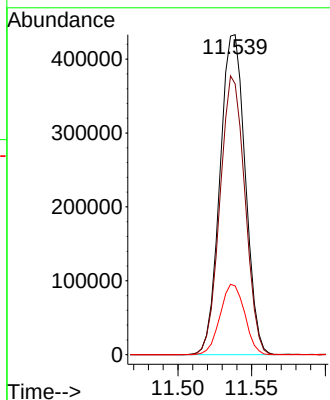
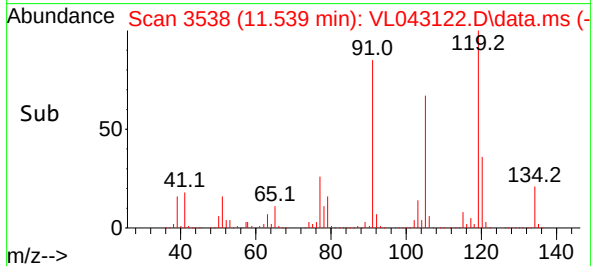
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



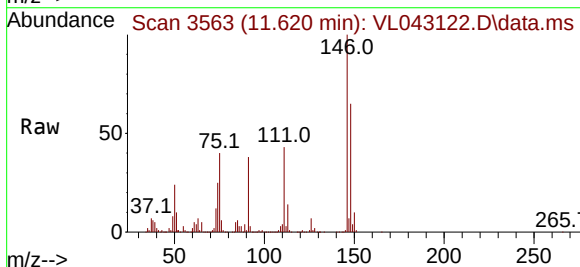
Tgt Ion: 119 Resp: 51671
Ion Ratio Lower Upper
119 100
91 85.7 63.4 95.0
134 21.4 17.3 25.9

Manual Integrations
APPROVED

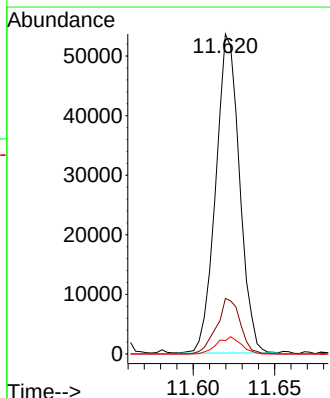
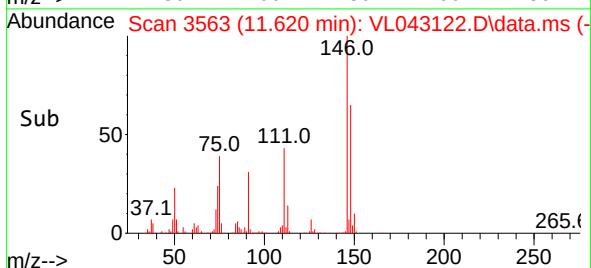
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

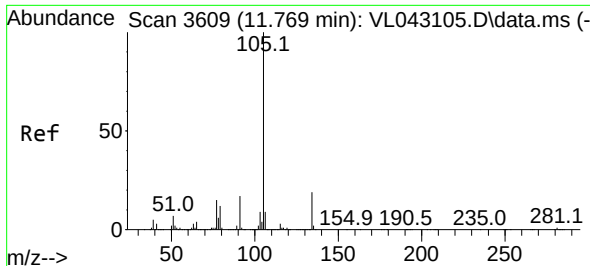


#66
Benzyl Chloride
Concen: 8.686 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



Tgt Ion: 91 Resp: 54290
Ion Ratio Lower Upper
91 100
126 17.3 14.6 22.0
128 5.5 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.378 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL043122.D

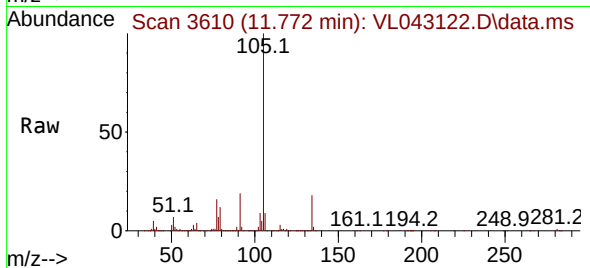
Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL1015ABSD01



Tgt Ion:105 Resp: 747469

Ion Ratio Lower Upper

105 100

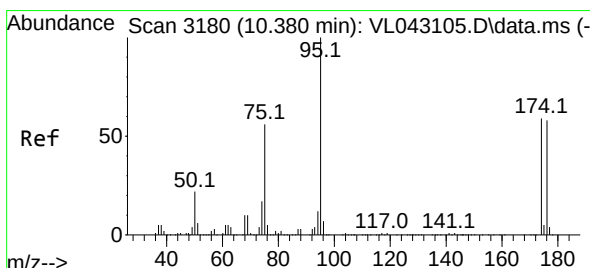
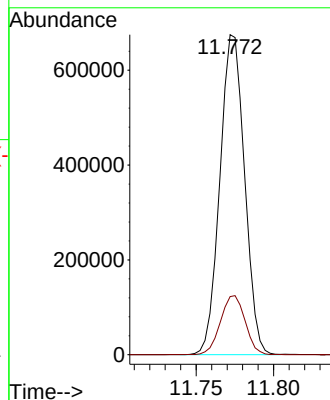
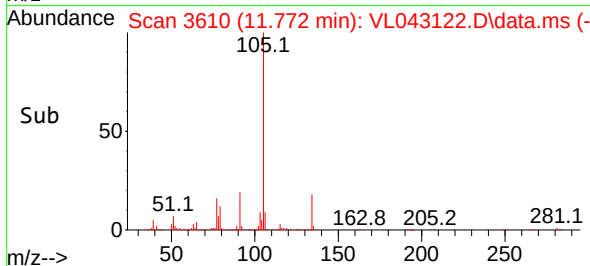
134 18.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.484 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

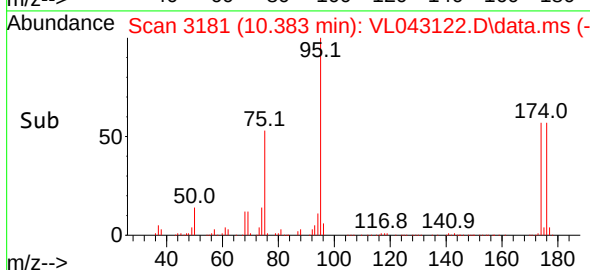
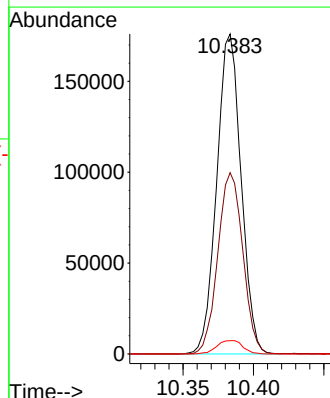
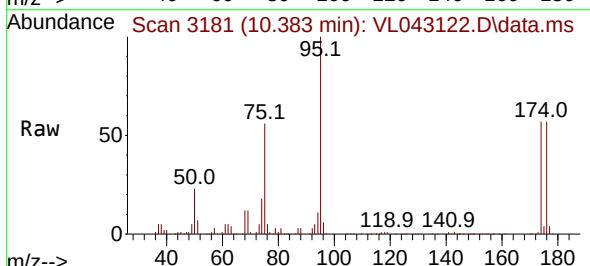
Tgt Ion: 95 Resp: 212144

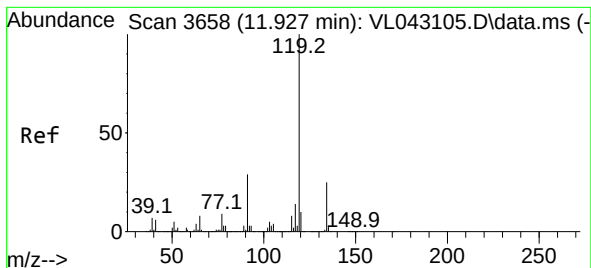
Ion Ratio Lower Upper

95 100

174 58.2 48.3 72.5

175 4.5 3.8 5.8





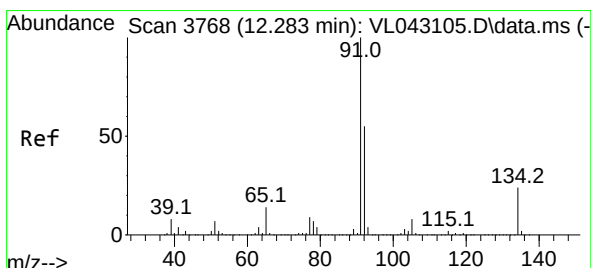
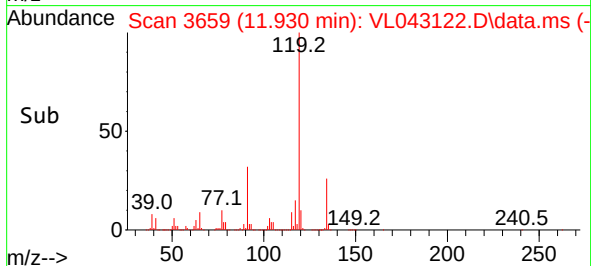
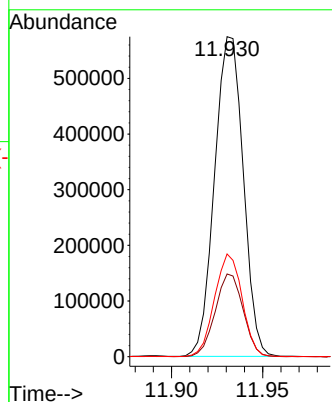
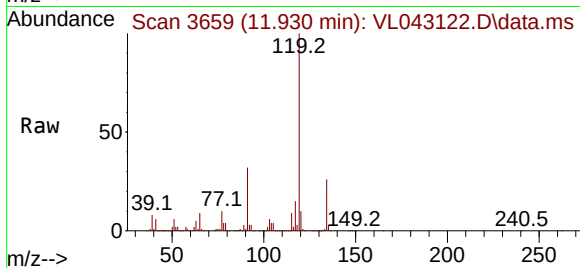
#69
p-Isopropyltoluene
Concen: 9.275 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion: 119 Resp: 628190
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 31.0 22.6 33.8

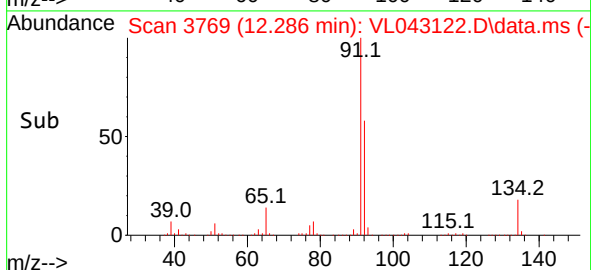
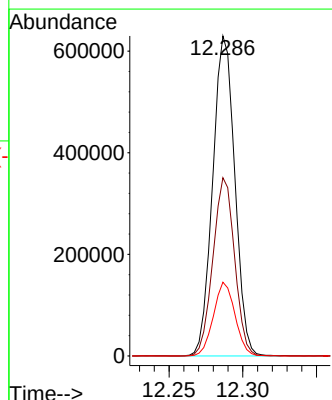
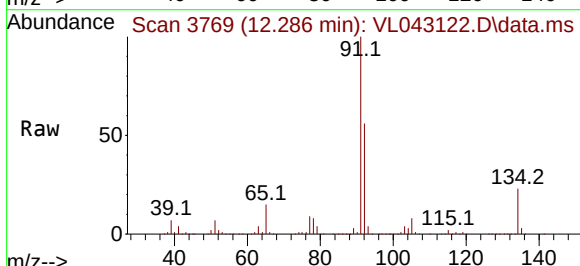
Manual Integrations
APPROVED

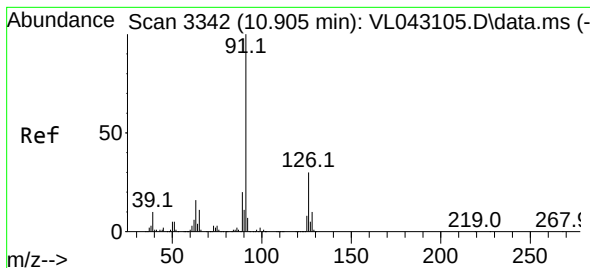
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#70
n-Butylbenzene
Concen: 9.843 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

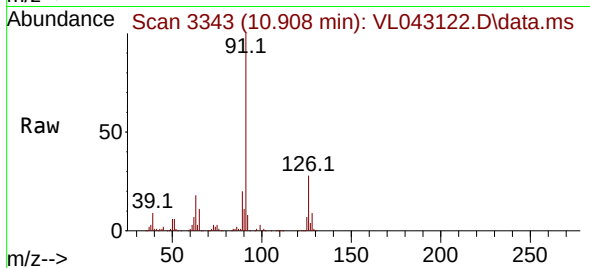
Tgt Ion: 91 Resp: 656970
Ion Ratio Lower Upper
91 100
92 54.6 44.5 66.7
134 22.5 19.3 28.9





#71
2-Chlorotoluene
Concen: 9.800 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

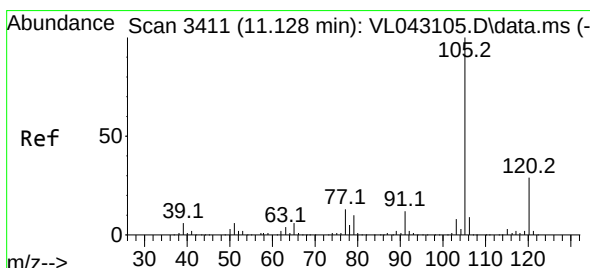
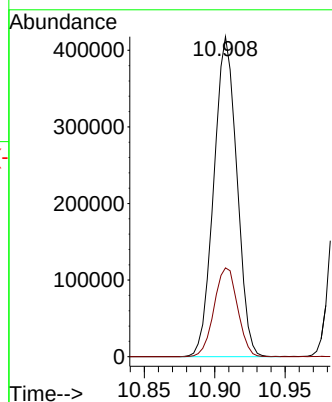
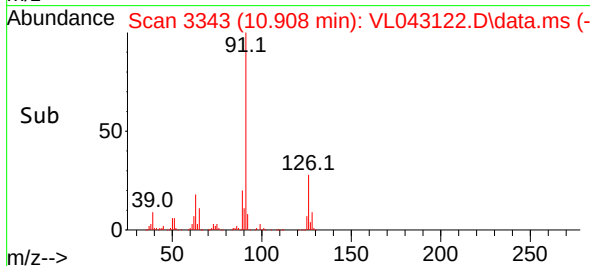
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



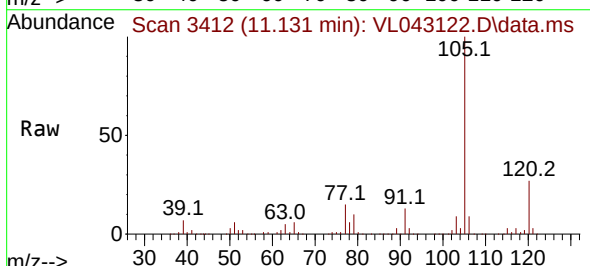
Tgt Ion: 91 Resp: 475350
Ion Ratio Lower Upper
91 100
126 28.3 12.0 48.0

Manual Integrations
APPROVED

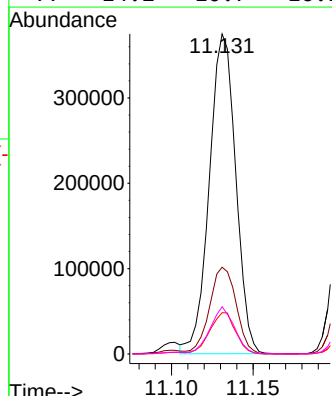
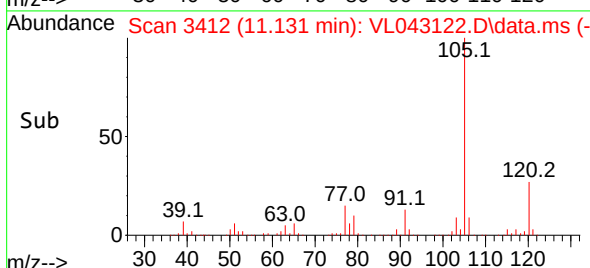
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

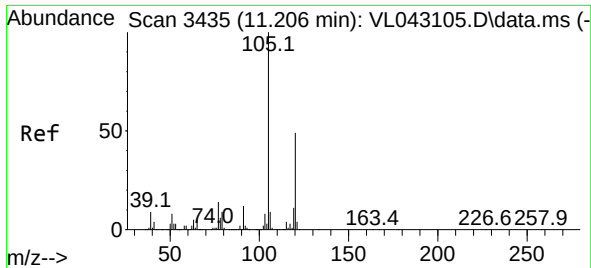


#72
4-Ethyltoluene
Concen: 9.743 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



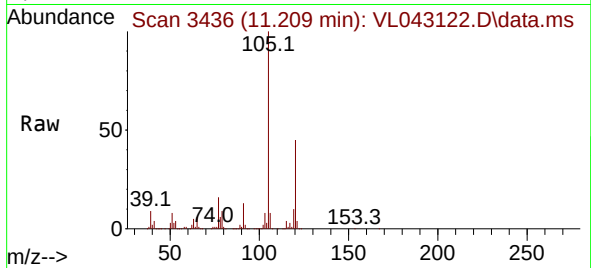
Tgt Ion:105 Resp: 421655
Ion Ratio Lower Upper
105 100
120 28.5 24.2 36.4
91 13.2 10.0 15.0
77 14.2 10.7 16.1





#73
 1,3,5-Trimethylbenzene
 Concen: 9.818 ppbv
 RT: 11.209 min Scan# 3435
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57

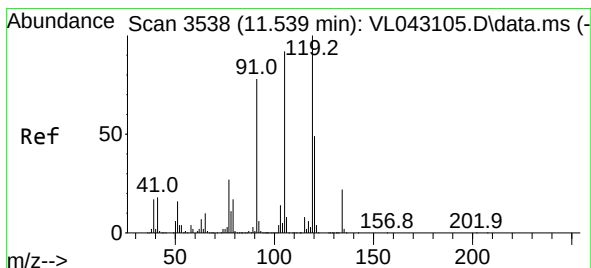
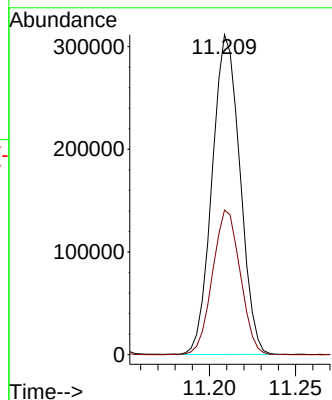
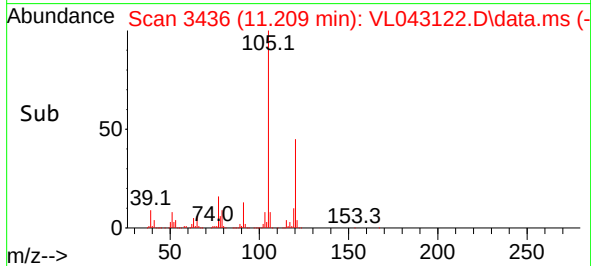
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1015ABSD01



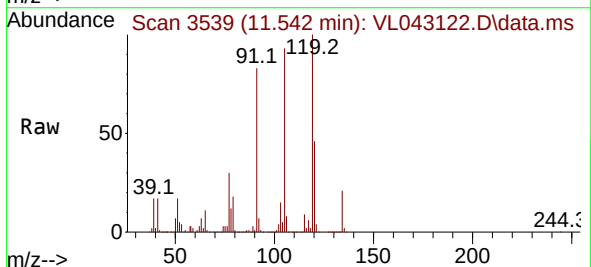
Tgt Ion:105 Resp: 350402
 Ion Ratio Lower Upper
 105 100
 120 45.2 39.0 58.6

Manual Integrations
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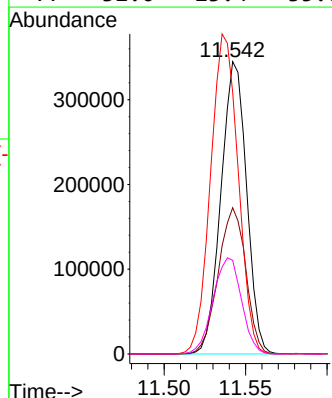
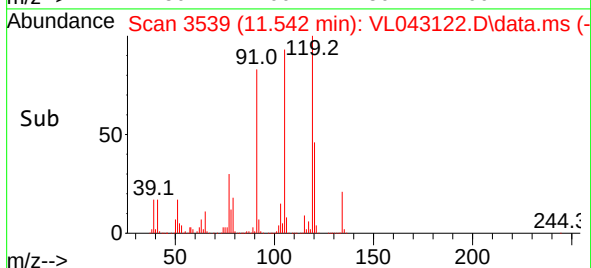
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/17/2025

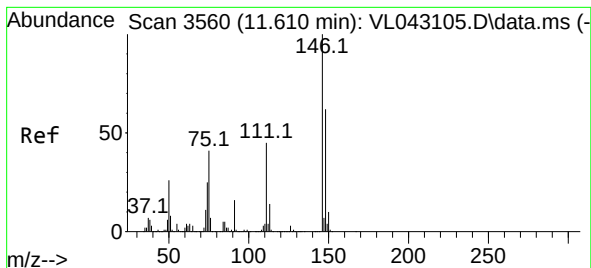


#74
 1,2,4-Trimethylbenzene
 Concen: 9.429 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.003 min
 Lab File: VL043122.D
 Acq: 15 Oct 2025 15:57



Tgt Ion:105 Resp: 376592
 Ion Ratio Lower Upper
 105 100
 120 50.0 42.8 64.2
 91 89.5 68.3 102.5
 77 32.0 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.519 ppbv

RT: 11.613 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

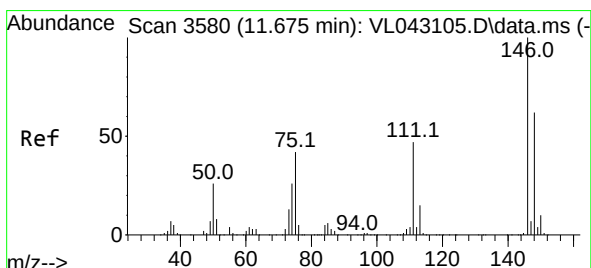
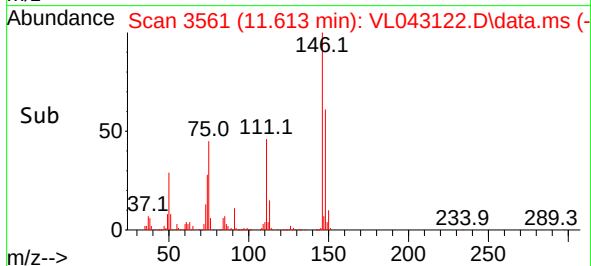
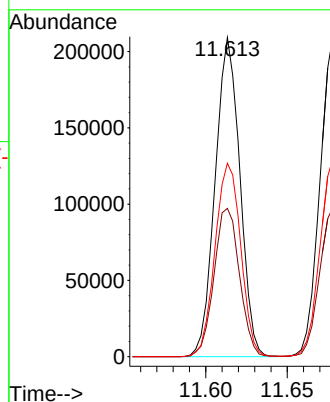
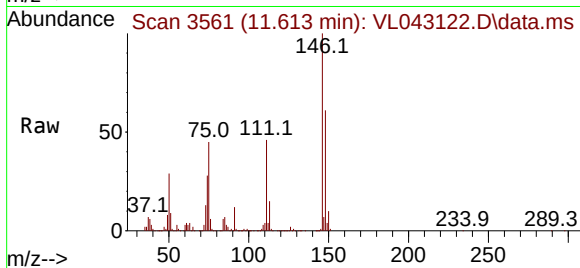
VL1015ABSD01

Tgt Ion:146	Resp:	220504
Ion Ratio	Lower	Upper
146	100	
111	48.1	23.3 69.9
148	63.0	31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#76

1,4-Dichlorobenzene

Concen: 9.438 ppbv

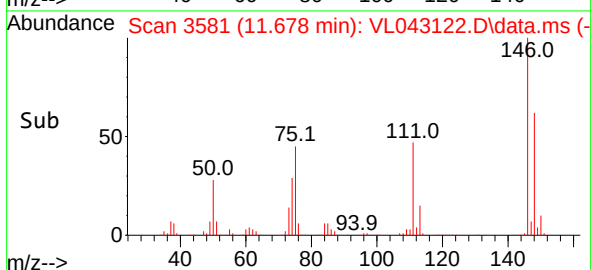
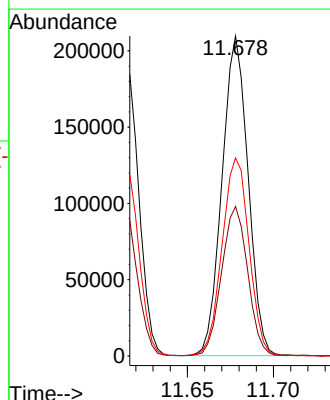
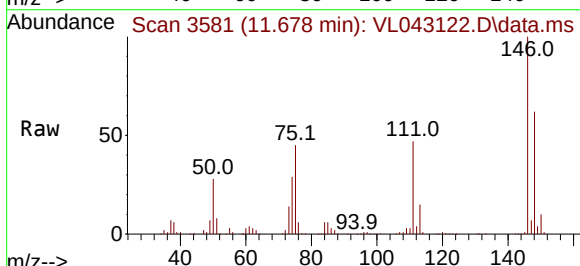
RT: 11.678 min Scan# 3581

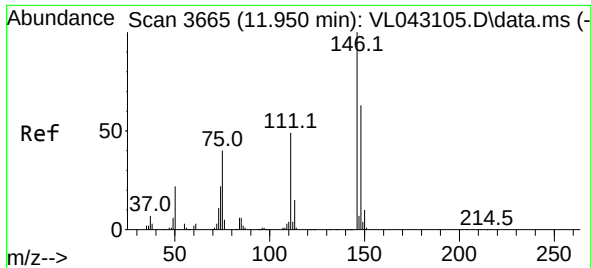
Delta R.T. 0.003 min

Lab File: VL043122.D

Acq: 15 Oct 2025 15:57

Tgt Ion:146	Resp:	220451
Ion Ratio	Lower	Upper
146	100	
111	47.2	22.4 67.0
148	64.4	31.6 94.7





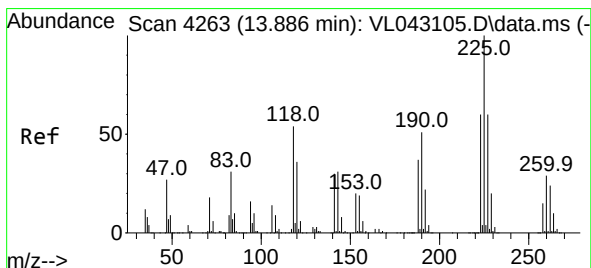
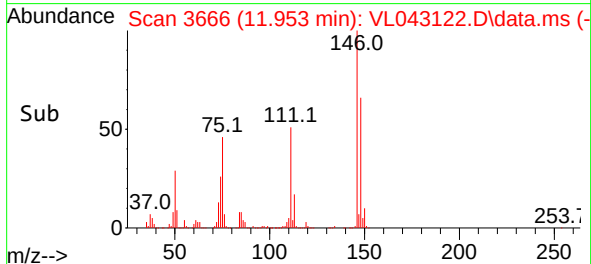
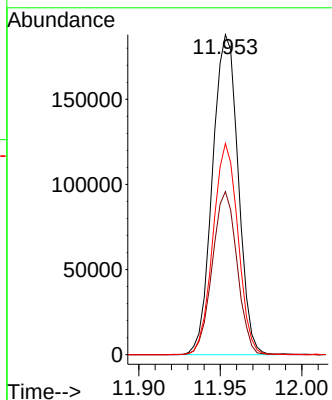
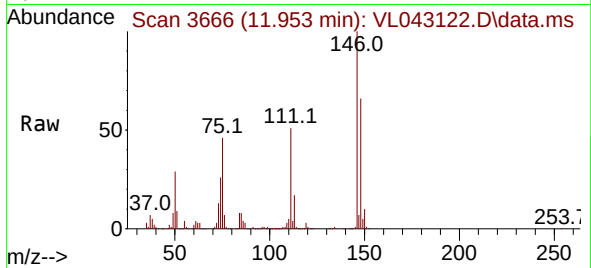
#77
1,2-Dichlorobenzene
Concen: 9.182 ppbv
RT: 11.953 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01

Tgt Ion:146 Resp: 20575
Ion Ratio Lower Upper
146 100
111 49.2 24.0 72.0
148 64.3 31.1 93.3

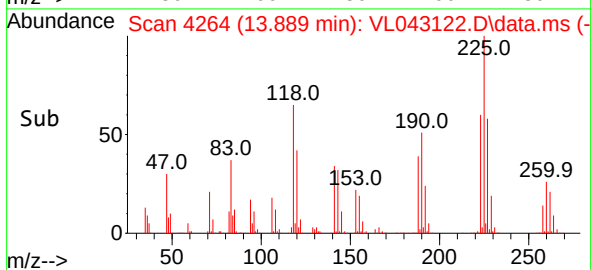
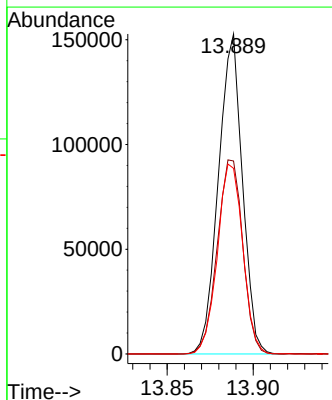
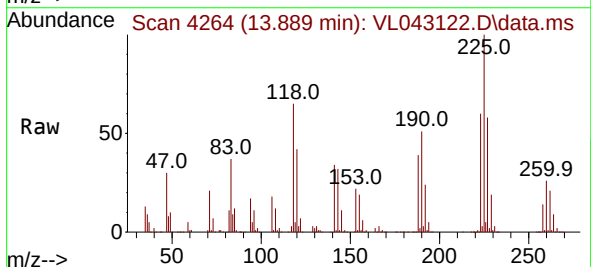
Manual Integrations
APPROVED

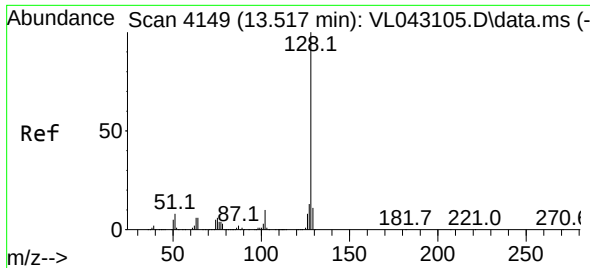
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025



#78
Hexachloro-1,3-Butadiene
Concen: 8.533 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

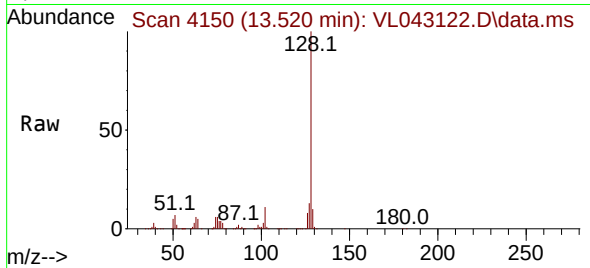
Tgt Ion:225 Resp: 148058
Ion Ratio Lower Upper
225 100
223 64.6 50.2 75.4
227 62.8 49.6 74.4





#79
Naphthalene
Concen: 10.128 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57

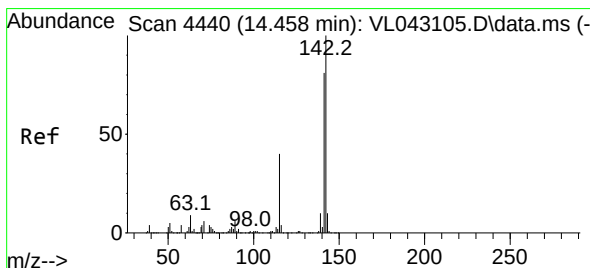
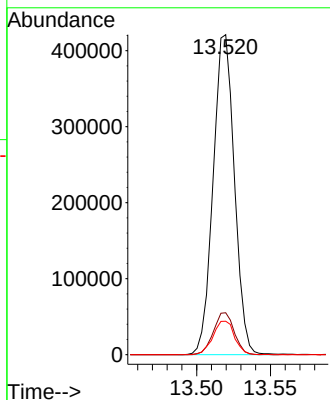
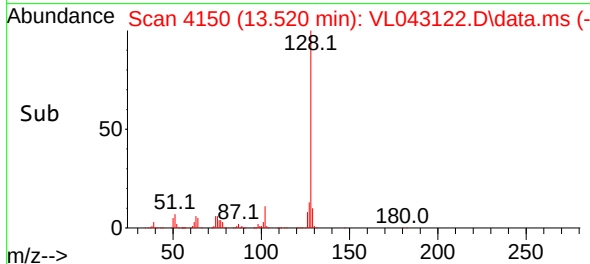
Instrument :
MSVOA_L
ClientSampleId :
VL1015ABSD01



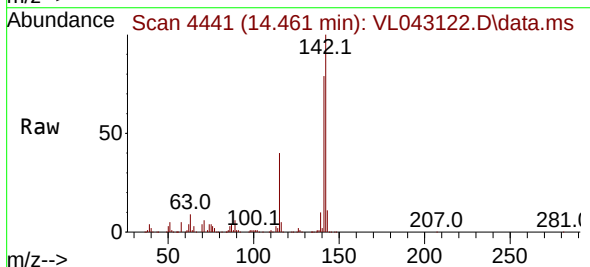
Tgt Ion:128 Resp: 422818
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.5 9.1 13.7

Manual Integrations
APPROVED

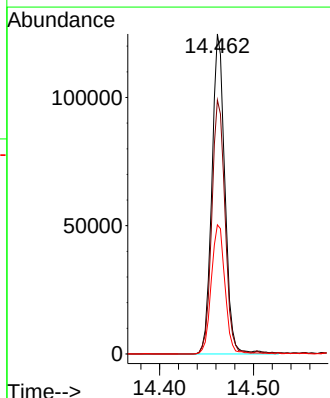
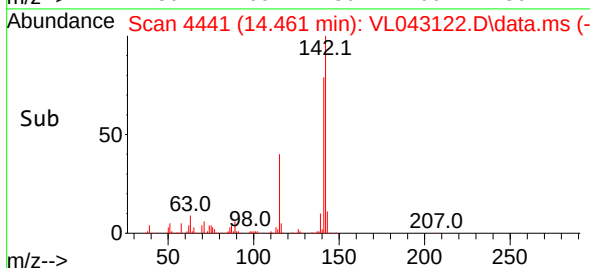
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/17/2025

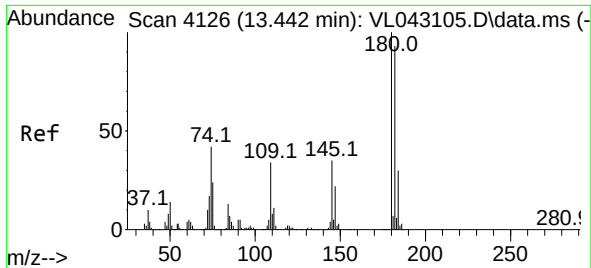


#80
Naphthalene,2-methyl-
Concen: 11.049 ppbv
RT: 14.461 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL043122.D
Acq: 15 Oct 2025 15:57



Tgt Ion:142 Resp: 120171
Ion Ratio Lower Upper
142 100
141 81.9 64.6 97.0
115 42.5 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 9.717 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043122.D

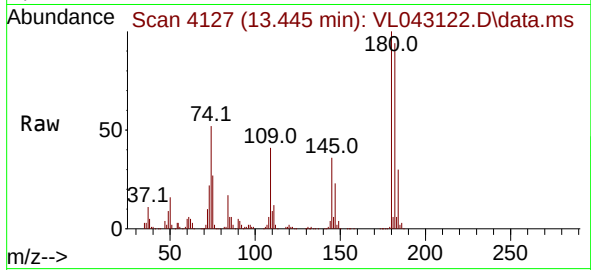
Acq: 15 Oct 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

VL1015ABSD01



Tgt Ion:180 Resp: 168360

Ion Ratio Lower Upper

180 100

182 95.2 75.5 113.3

184 30.3 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/17/2025

