

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043044.D
 Acq On : 06 Oct 2025 08:38
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:32:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	181342	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	515782	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	434070	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 324488 10.377 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	287157	9.395	ppbv	99
3) Chlorodifluoromethane	1.476	51	281863	9.533	ppbv	99
4) Chloromethane	1.531	50	107064	9.590	ppbv	98
5) Vinyl Chloride	1.580	62	97626	9.214	ppbv	96
6) Bromomethane	1.667	94	45638	9.586	ppbv	95
7) Chloroethane	1.703	64	40916	9.255	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	235363	9.398	ppbv	99
9) Propene	1.483	41	108909	9.135	ppbv	99
10) Heptane	4.968	43	319007	10.884	ppbv	100
11) Trichlorofluoromethane	1.874	101	292298	9.306	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	228489	9.236	ppbv	99
13) Ethanol	1.719	45	4994	10.290	ppbv	97
14) Bromoethene	1.780	108	83347	9.398	ppbv	98
15) Acetone	1.832	43	211361	8.324	ppbv	99
16) 1,3-Butadiene	1.609	39	98478	9.407	ppbv	98
17) tert-Butyl alcohol	2.036	59	252229	9.391	ppbv	100
18) 1,1-Dichloroethene	2.033	96	100506	9.268	ppbv	96
19) Isopropyl Alcohol	1.884	45	113044	9.292	ppbv	99
20) Methylene Chloride	2.059	84	89172	8.046	ppbv	97
21) Allyl Chloride	2.094	41	154207	9.480	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	112836	9.165	ppbv	98
23) Vinyl Acetate	2.457	43	48730	9.040	ppbv	98
24) 1,1-Dichloroethane	2.405	63	217854	9.335	ppbv	99
25) Ethyl Acetate	2.829	43	638620	10.026	ppbv	100
26) Hexane	2.819	57	250238	10.213	ppbv	98
27) Carbon Disulfide	2.146	76	277548	9.595	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	145380	9.481	ppbv	100
29) Chloroform	2.842	83	394464	9.442	ppbv	99
30) Cyclohexane	3.849	84	208637	10.362	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	244012	9.688	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	384289	9.465	ppbv	99
34) 2-Butanone	2.551	43	347993	9.944	ppbv	99
35) Carbon Tetrachloride	3.755	117	408168	9.619	ppbv	97
36) Benzene	3.648	78	502165	10.190	ppbv	98
37) 1,2-Dichloroethane	3.211	62	293779	10.066	ppbv	99
38) Trichloroethene	4.535	130	210056	10.233	ppbv	99
39) 1,2-Dichloropropane	4.302	63	183913	10.069	ppbv	99
40) 1,4-Dioxane	4.567	88	82396	10.517	ppbv #	95
41) Tetrahydrofuran	3.046	42	198764	10.989	ppbv	99
42) Bromodichloromethane	4.480	83	420134	10.194	ppbv	97
43) Methyl Methacrylate	4.865	69	181458	11.093	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	857112	10.839	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	158655	10.598	ppbv	96

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Instrument :
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Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/08/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:32:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	224260	10.632	ppbv	100
47) 1,1,2-Trichloroethane	6.571	97	201486	9.917	ppbv	99
48) Dibromochloromethane	7.376	129	343727	10.366	ppbv	99
49) Bromoform	9.474	173	294450	10.633	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	485069	11.366	ppbv	99
51) 2-Hexanone	7.422	43	362864	11.945	ppbv #	99
52) Tetrachloroethene	8.218	164	178049	9.758	ppbv	94
53) Toluene	6.920	91	558213	11.220	ppbv	100
54) 1,2-Dibromoethane	7.642	107	251743	10.454	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	266983	10.090	ppbv	99
57) Chlorobenzene	8.914	112	457632	9.973	ppbv	98
58) Ethyl Benzene	9.348	91	773986	11.509	ppbv	100
59) m/p-Xylene	9.545	91	1291856m	22.776	ppbv	
60) o-Xylene	9.956	91	650260	11.509	ppbv	98
61) Styrene	9.865	104	285984	12.082	ppbv	99
62) Isopropylbenzene	10.532	105	966428	11.142	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	409295	10.098	ppbv	100
64) n-propylbenzene	10.982	120	256334	11.553	ppbv	99
65) tert-Butylbenzene	11.526	119	880541	11.407	ppbv	99
66) Benzyl Chloride	11.610	91	33291	11.284	ppbv	99
67) sec-Butylbenzene	11.762	105	1214749	11.277	ppbv	100
69) p-Isopropyltoluene	11.921	119	1022374	11.667	ppbv	100
70) n-Butylbenzene	12.277	91	1013351	12.010	ppbv	100
71) 2-Chlorotoluene	10.895	91	715947	11.405	ppbv	99
72) 4-Ethyltoluene	11.118	105	797033	11.852	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	666778	11.461	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	751232	11.441	ppbv	93
75) 1,3-Dichlorobenzene	11.600	146	448438	10.501	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	445649	10.944	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	430137	10.112	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	285716	9.640	ppbv	100
79) Naphthalene	13.507	128	563992	10.118	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	228905	8.885	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	304505	12.033	ppbv	99

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

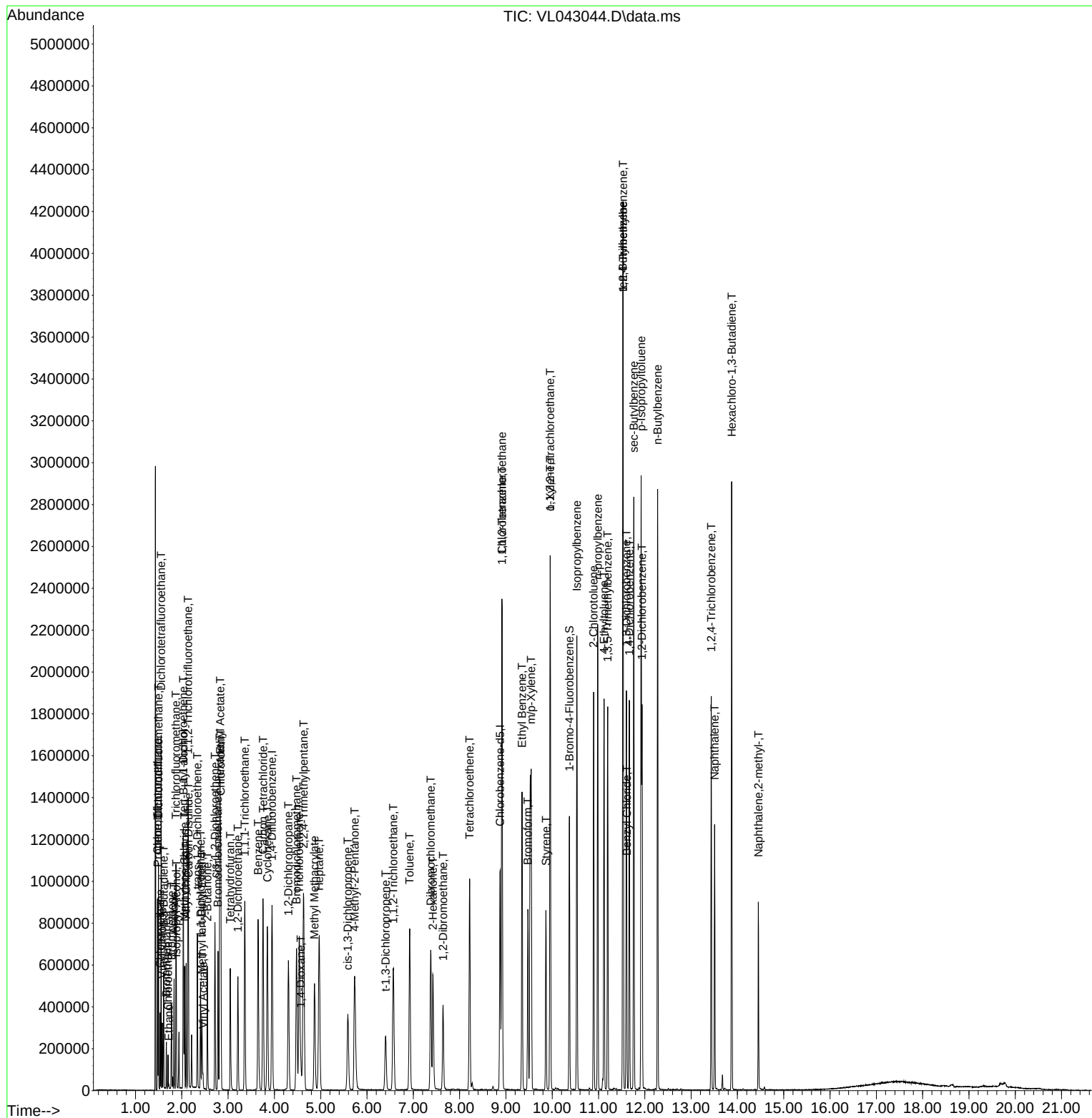
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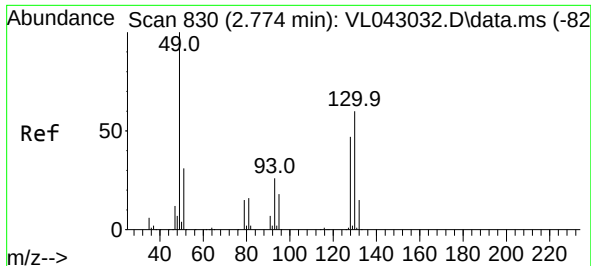
Instrument :
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 ClientSampleId :
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Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/08/2025
 Supervised By : Mahesh Dadoda 10/10/2025

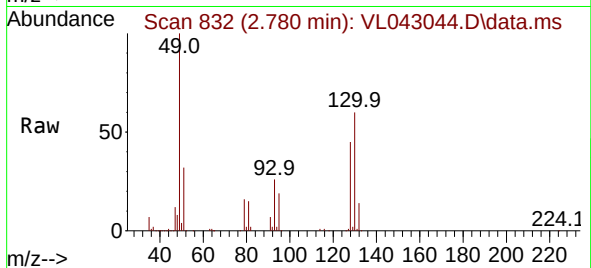
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

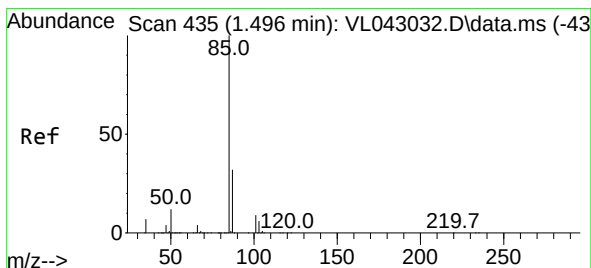
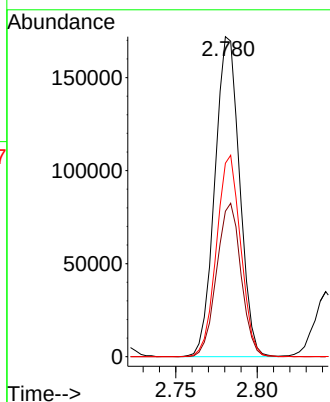
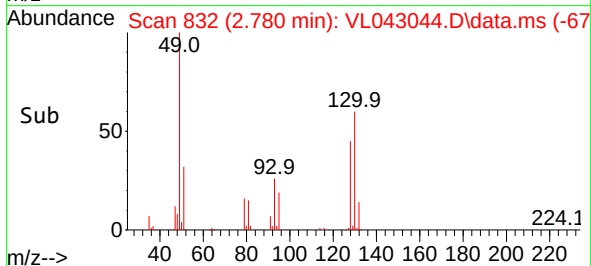
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 18134
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.2
130 61.6 31.4 94.3

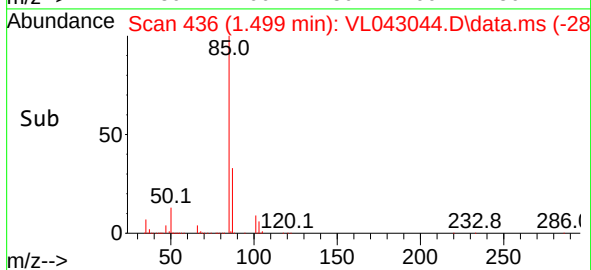
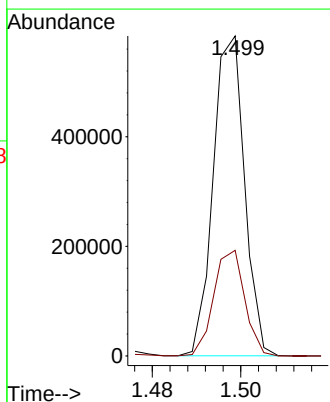
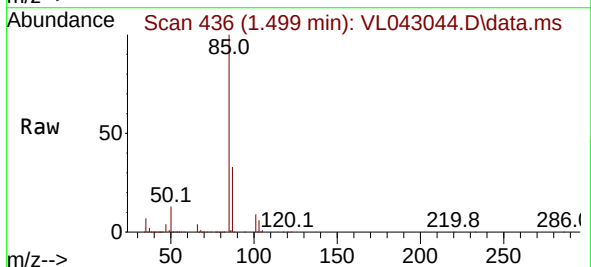
Manual Integrations
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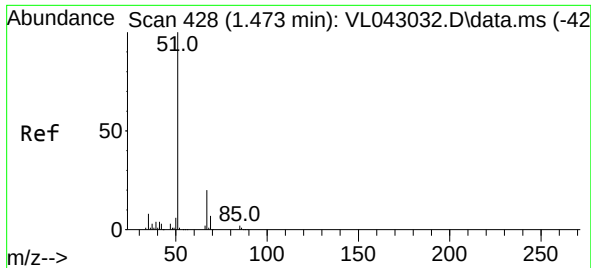
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 9.395 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion: 85 Resp: 287157
Ion Ratio Lower Upper
85 100
87 33.0 25.8 38.6





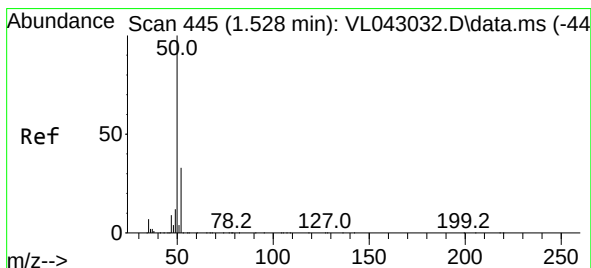
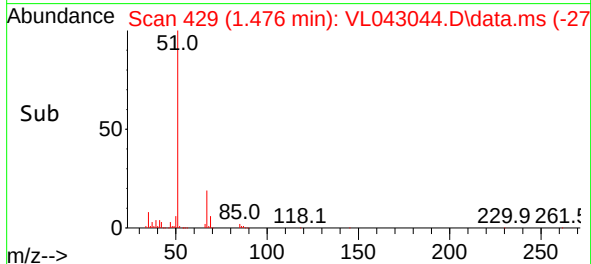
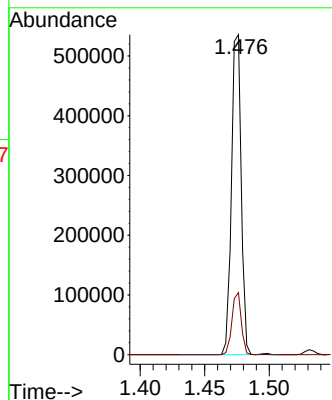
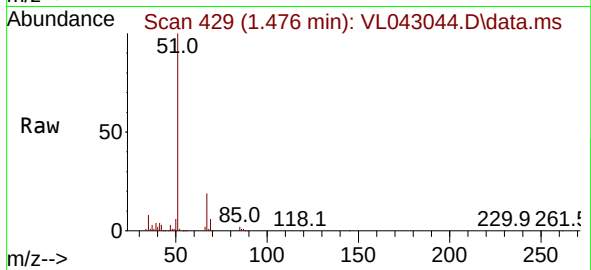
#3
Chlorodifluoromethane
Concen: 9.533 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 28186
Ion Ratio Lower Upper
51 100
67 18.6 15.1 22.7

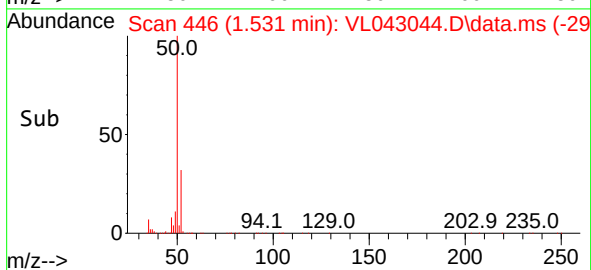
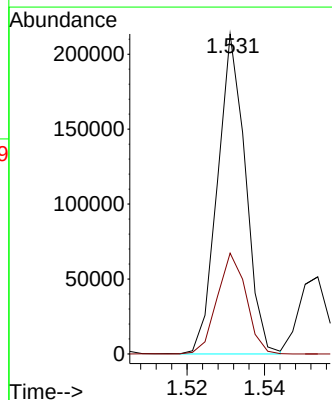
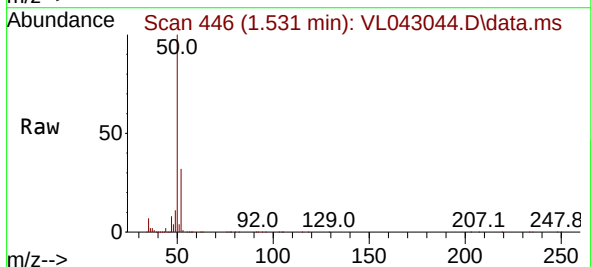
Manual Integrations
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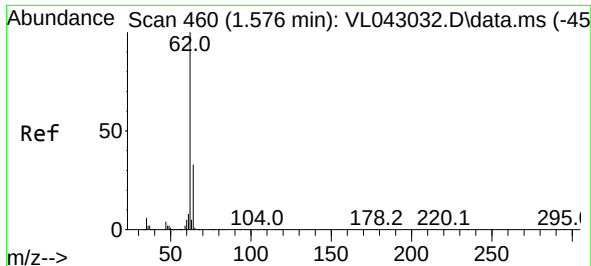
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 9.590 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

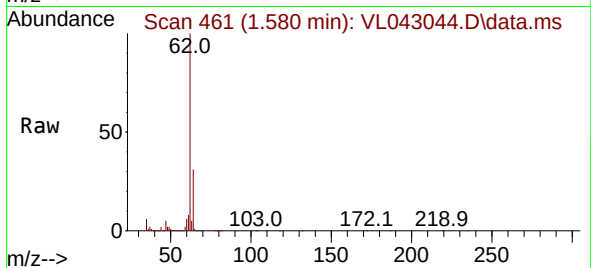
Tgt Ion: 50 Resp: 107064
Ion Ratio Lower Upper
50 100
52 31.5 26.2 39.2





#5
 Vinyl Chloride
 Concen: 9.214 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

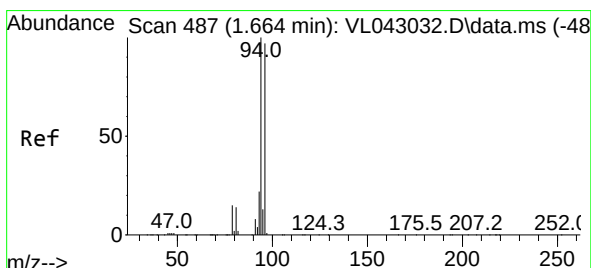
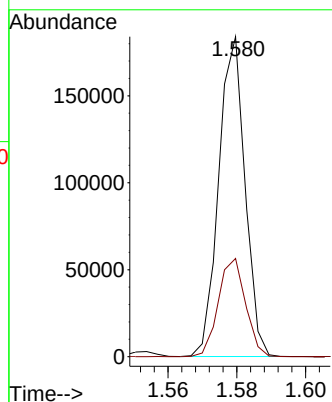
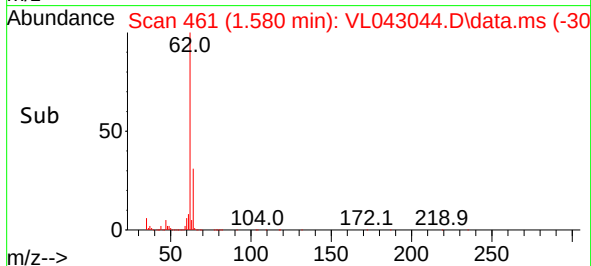
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



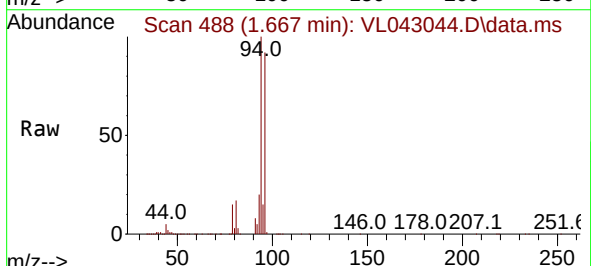
Tgt Ion: 62 Resp: 97620
 Ion Ratio Lower Upper
 62 100
 64 30.7 26.2 39.2

Manual Integrations
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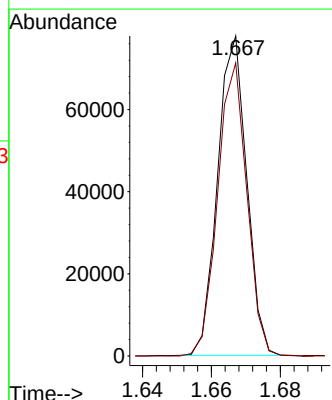
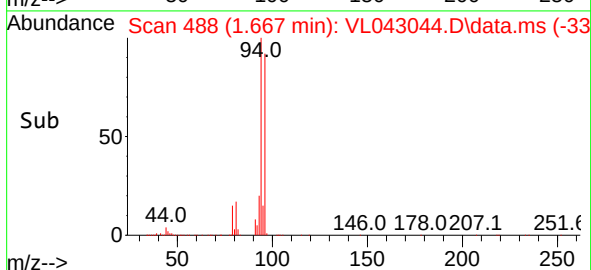
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

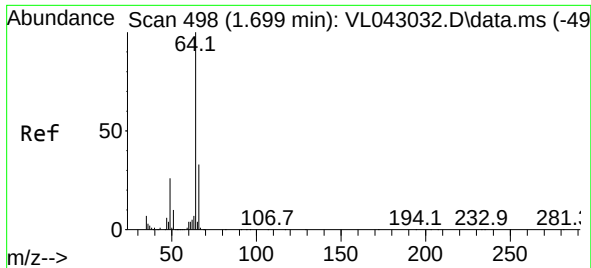


#6
 Bromomethane
 Concen: 9.586 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



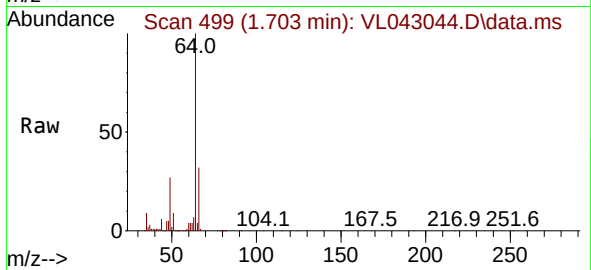
Tgt Ion: 94 Resp: 45638
 Ion Ratio Lower Upper
 94 100
 96 91.8 77.6 116.4





#7
Chloroethane
Concen: 9.255 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

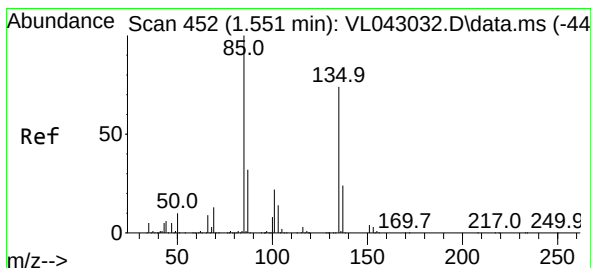
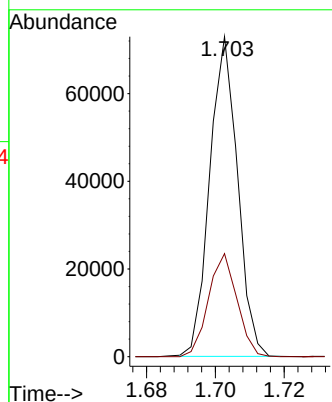
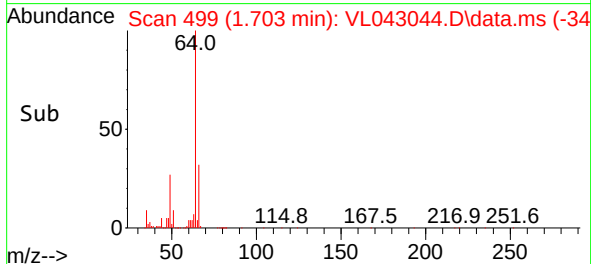
Instrument :
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Tgt Ion: 64 Resp: 40910
Ion Ratio Lower Upper
64 100
66 32.2 26.6 39.8

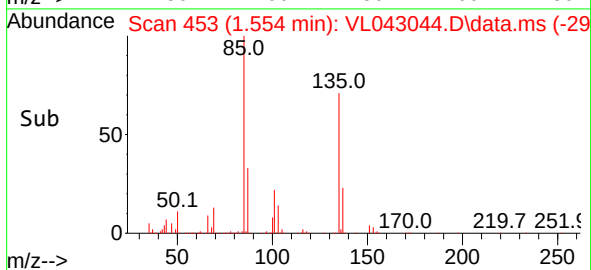
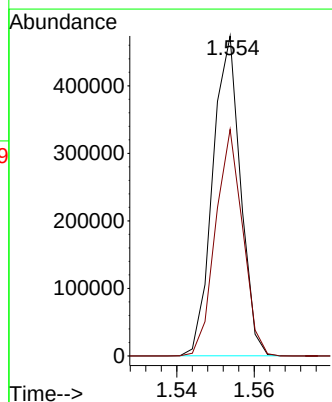
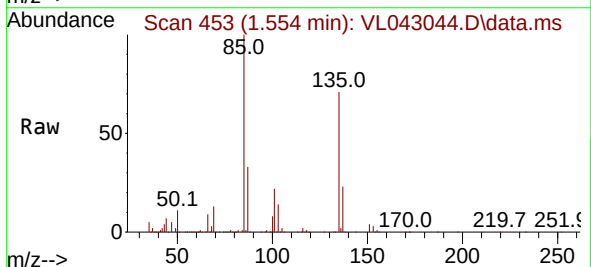
Manual Integrations
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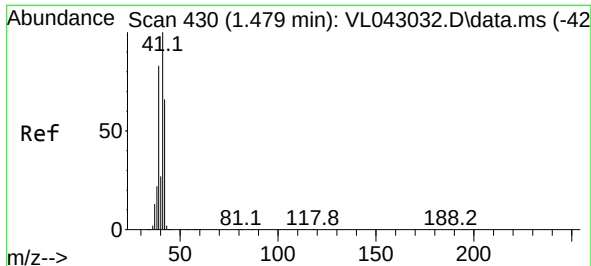
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Dichlorotetrafluoroethane
Concen: 9.398 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

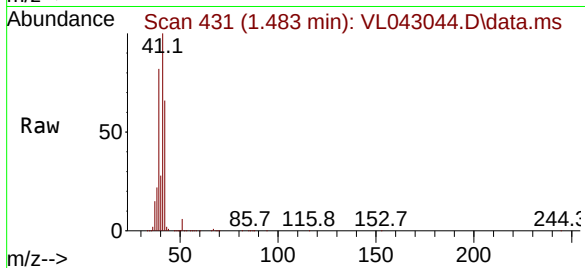
Tgt Ion: 85 Resp: 235363
Ion Ratio Lower Upper
85 100
135 69.6 56.3 84.5





#9
 Propene
 Concen: 9.135 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

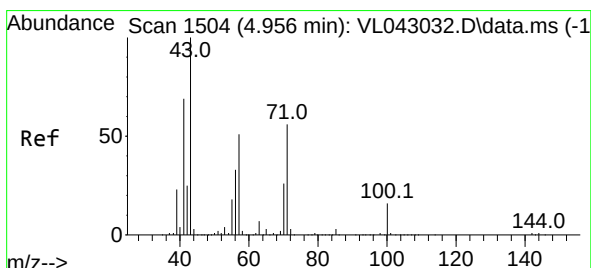
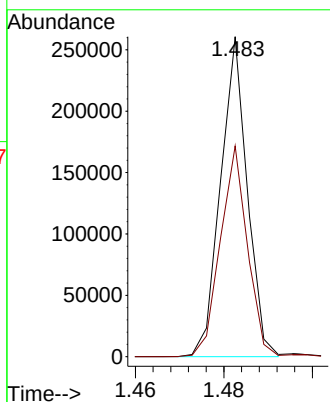
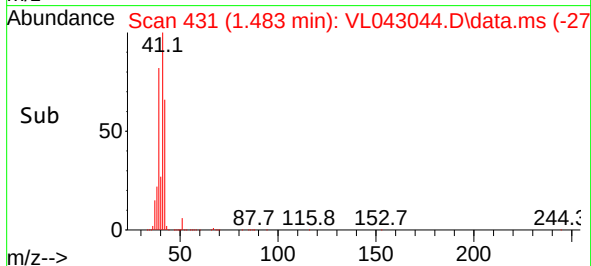
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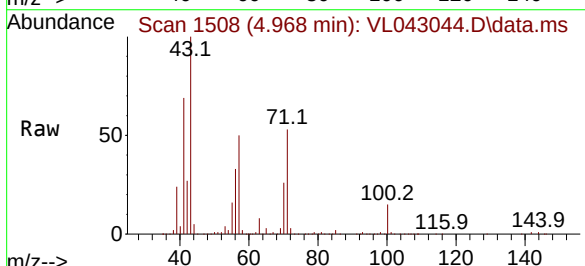
Tgt Ion: 41 Resp: 108909
 Ion Ratio Lower Upper
 41 100
 42 67.8 53.3 79.9

Manual Integrations
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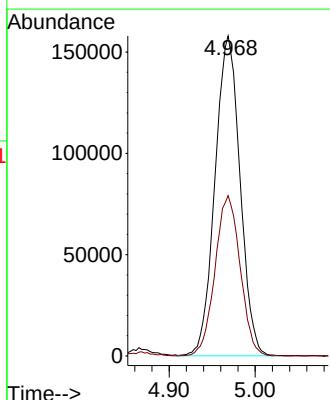
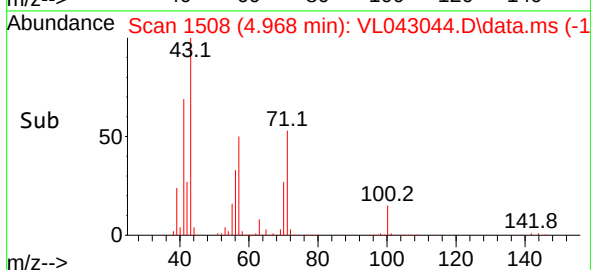
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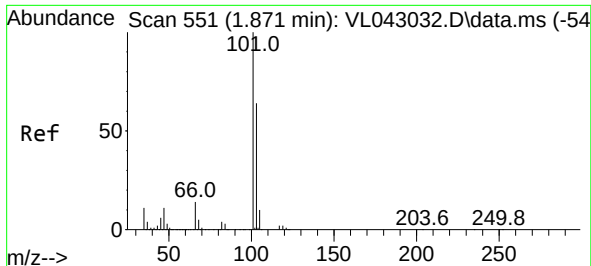


#10
 Heptane
 Concen: 10.884 ppbv
 RT: 4.968 min Scan# 1508
 Delta R.T. 0.013 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



Tgt Ion: 43 Resp: 319007
 Ion Ratio Lower Upper
 43 100
 57 50.4 40.3 60.5





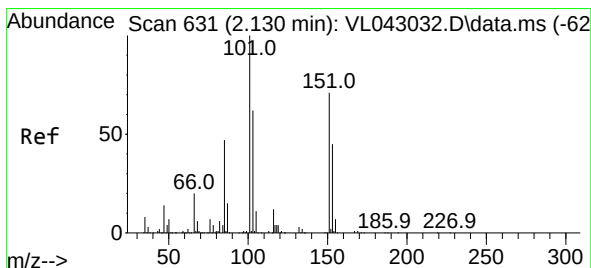
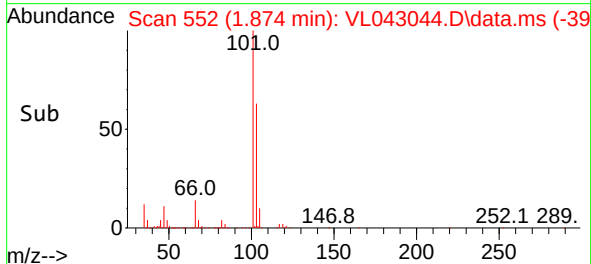
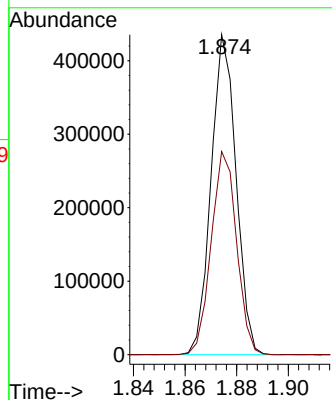
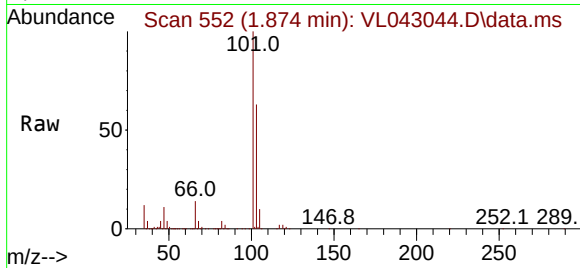
#11
 Trichlorofluoromethane
 Concen: 9.306 ppbv
 RT: 1.874 min Scan# 551
 Delta R.T. 0.003 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 292298
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.1 76.7

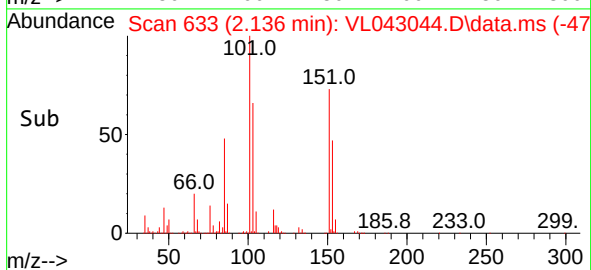
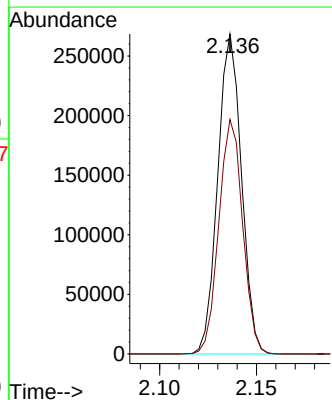
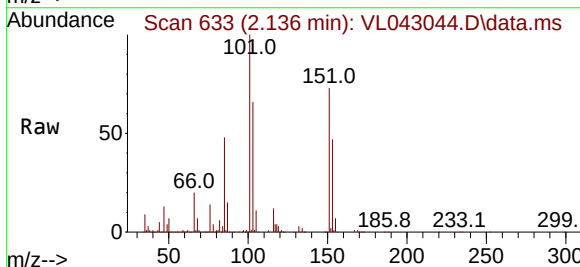
Manual Integrations
 APPROVED

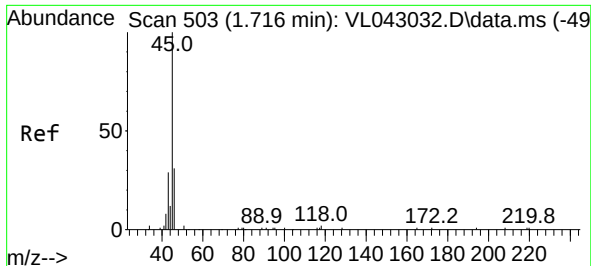
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.236 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

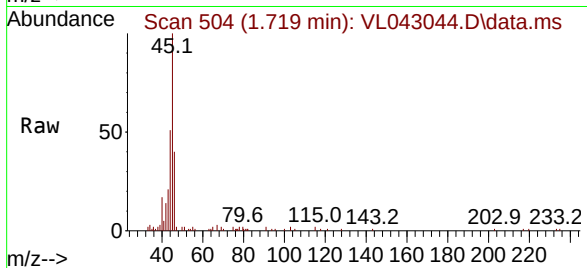
Tgt Ion:101 Resp: 228489
 Ion Ratio Lower Upper
 101 100
 151 73.6 58.1 87.1





#13
Ethanol
Concen: 10.290 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

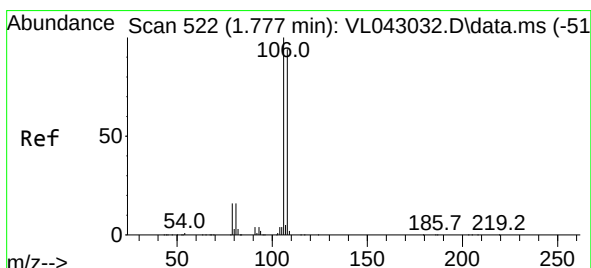
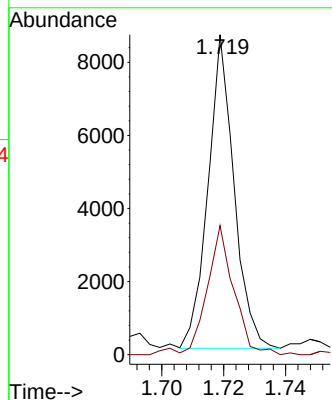
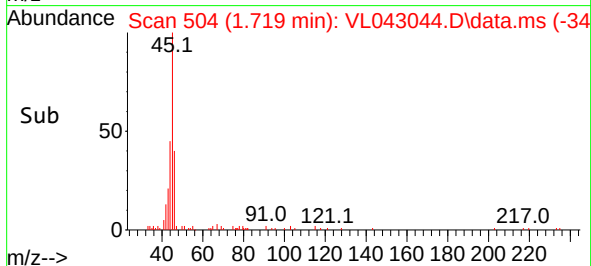
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 45 Resp: 4994
Ion Ratio Lower Upper
45 100
46 43.0 17.8 71.4

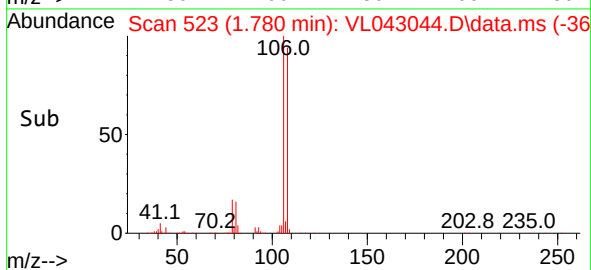
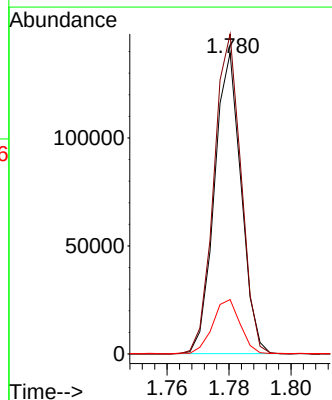
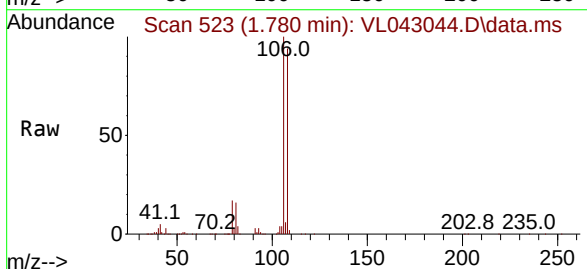
Manual Integrations
APPROVED

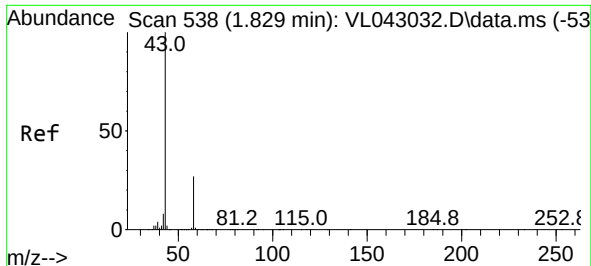
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#14
Bromoethene
Concen: 9.398 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

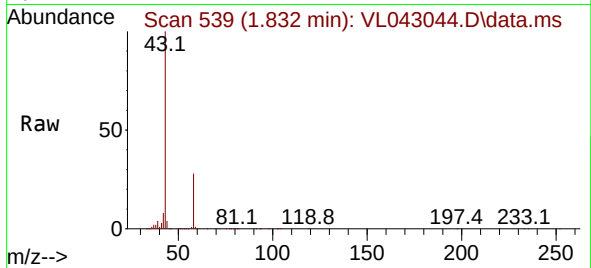
Tgt Ion:108 Resp: 83347
Ion Ratio Lower Upper
108 100
106 108.0 85.2 127.8
79 19.3 14.8 22.2





#15
Acetone
Concen: 8.324 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

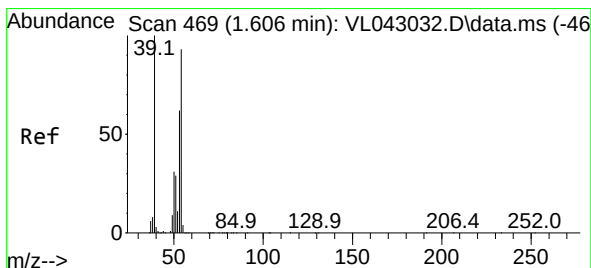
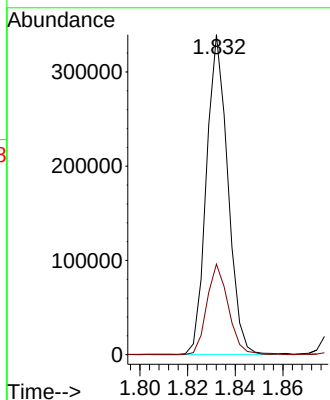
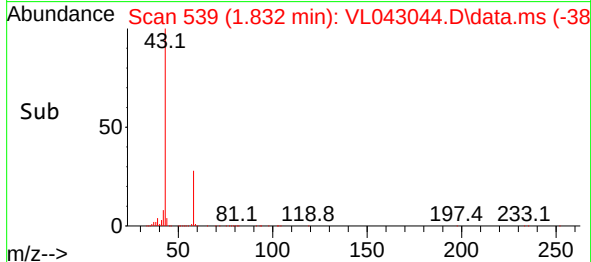
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 21136
Ion Ratio Lower Upper
43 100
58 28.4 22.2 33.4

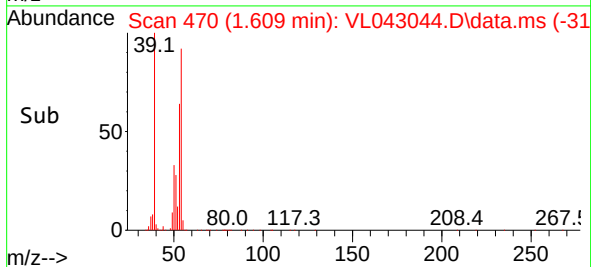
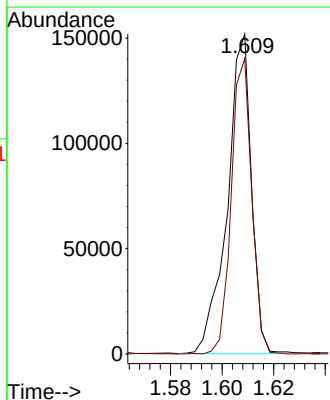
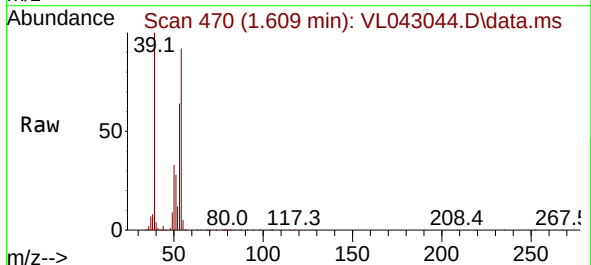
Manual Integrations
APPROVED

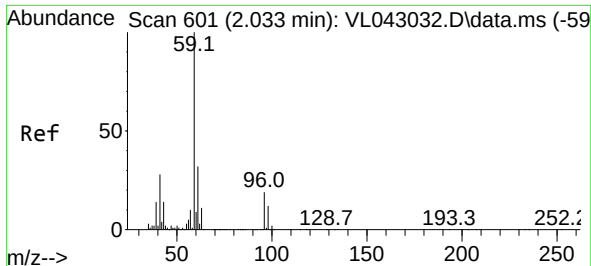
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#16
1,3-Butadiene
Concen: 9.407 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

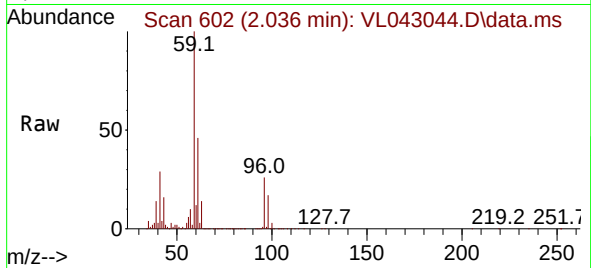
Tgt Ion: 39 Resp: 98478
Ion Ratio Lower Upper
39 100
54 78.7 61.4 92.2





#17
tert-Butyl alcohol
Concen: 9.391 ppbv
RT: 2.036 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

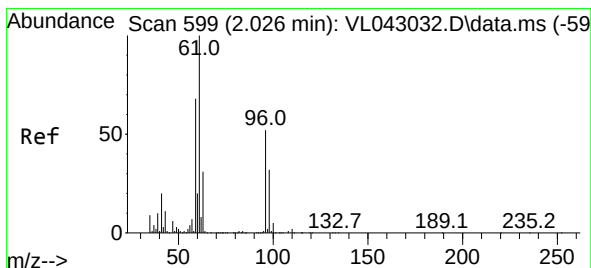
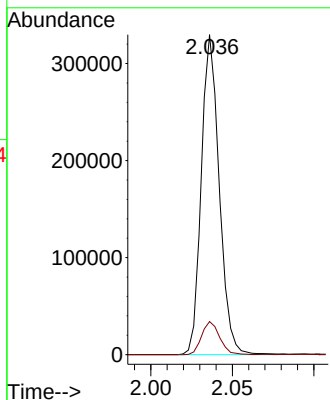
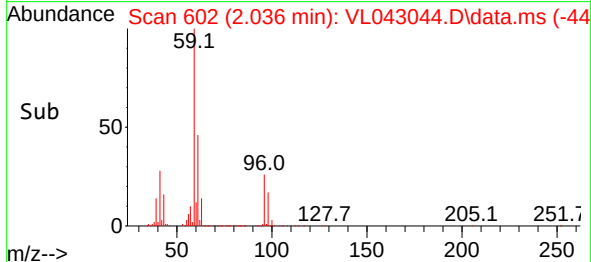
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



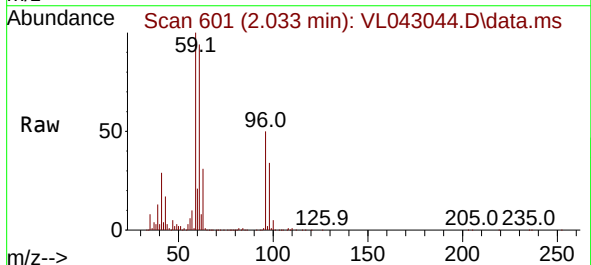
Tgt Ion: 59 Resp: 252229
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

Manual Integrations
APPROVED

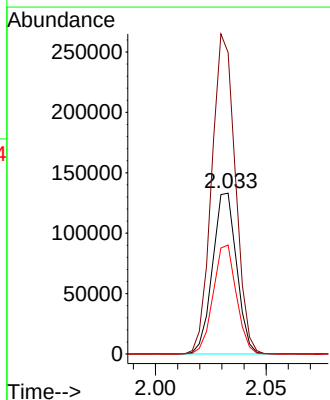
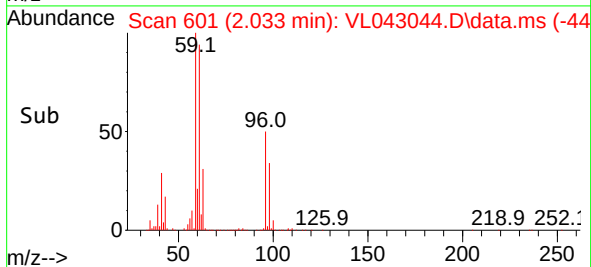
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

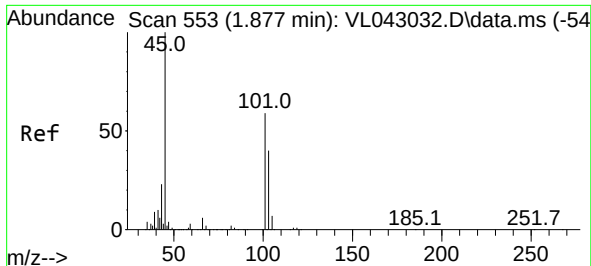


#18
1,1-Dichloroethene
Concen: 9.268 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



Tgt Ion: 96 Resp: 100506
Ion Ratio Lower Upper
96 100
61 187.4 153.0 229.6
98 67.8 48.8 73.2





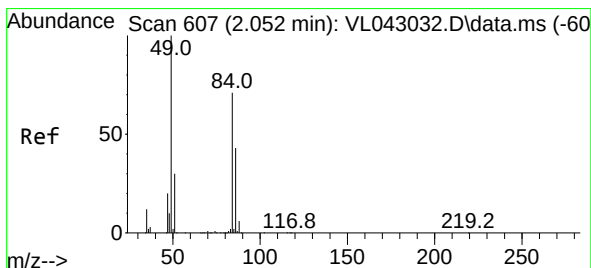
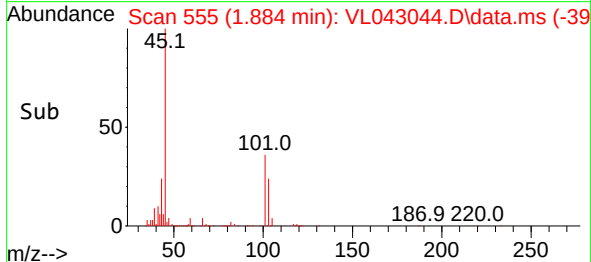
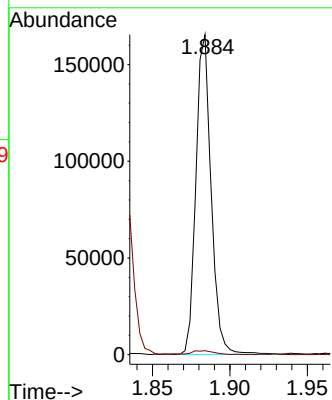
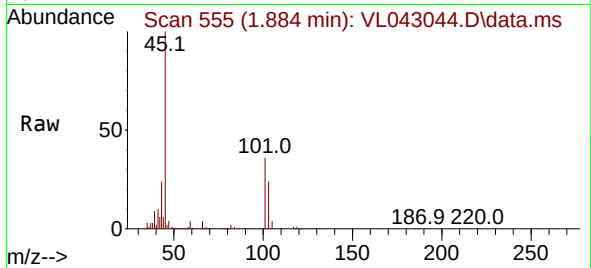
#19
Isopropyl Alcohol
Concen: 9.292 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 113044
Ion Ratio Lower Upper
45 100
58 53.4 42.3 63.5

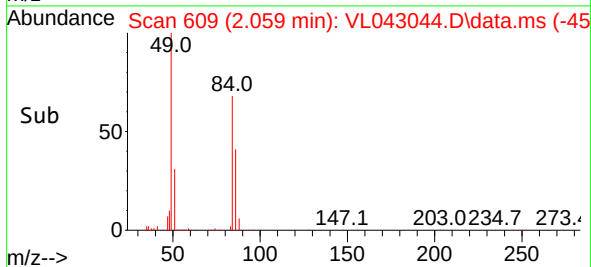
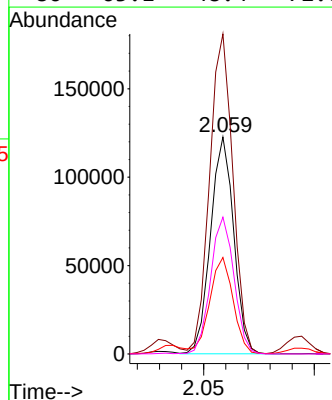
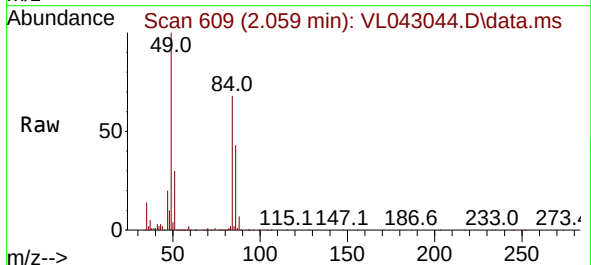
Manual Integrations
APPROVED

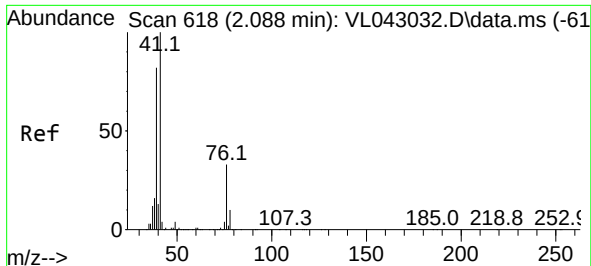
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 8.046 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

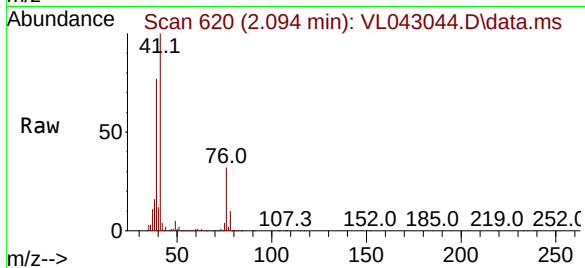
Tgt Ion: 84 Resp: 89172
Ion Ratio Lower Upper
84 100
49 145.2 112.5 168.7
51 43.7 34.2 51.2
86 63.1 48.4 72.6





#21
 Allyl Chloride
 Concen: 9.480 ppbv
 RT: 2.094 min Scan# 618
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

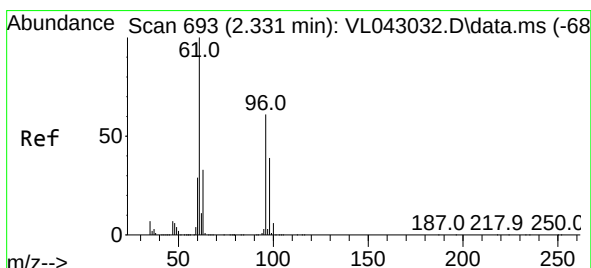
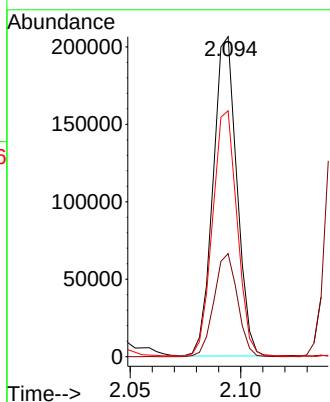
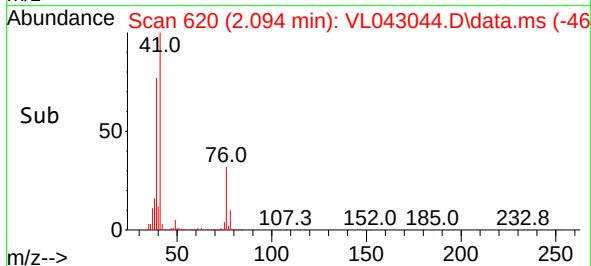
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



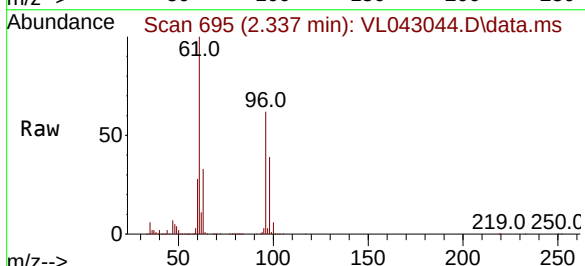
Tgt Ion: 41 Resp: 15420
 Ion Ratio Lower Upper
 41 100
 76 31.9 25.9 38.9
 39 78.8 63.0 94.4

Manual Integrations
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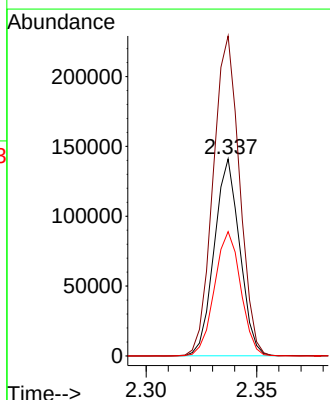
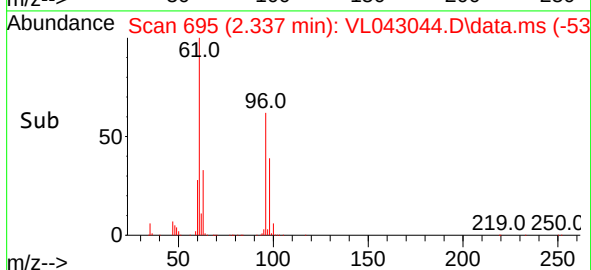
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

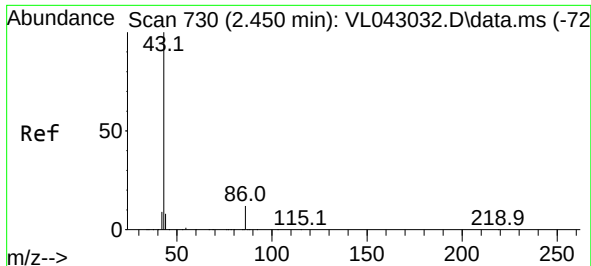


#22
 trans-1,2-Dichloroethene
 Concen: 9.165 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



Tgt Ion: 96 Resp: 112836
 Ion Ratio Lower Upper
 96 100
 61 162.4 131.9 197.9
 98 63.1 52.1 78.1





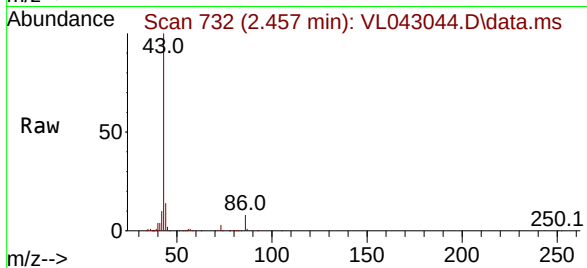
#23
 Vinyl Acetate
 Concen: 9.040 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

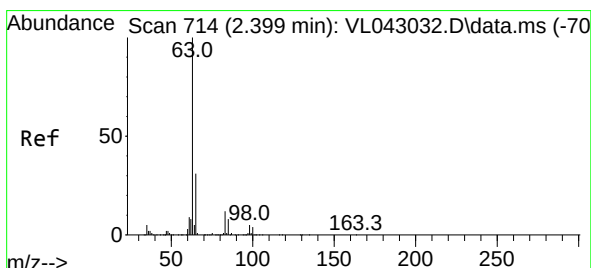
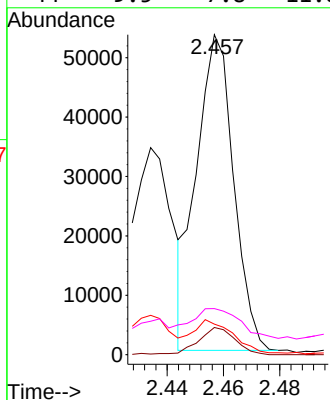
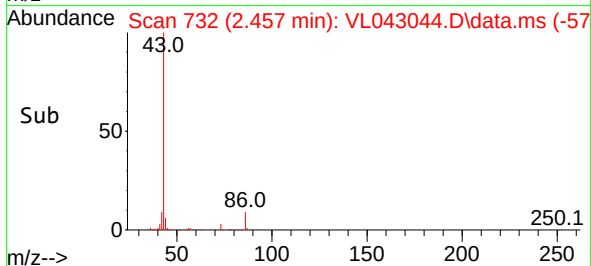


Tgt Ion: 43 Resp: 48730
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.5 11.3
 42 9.1 8.4 12.6
 44 9.5 7.8 11.8

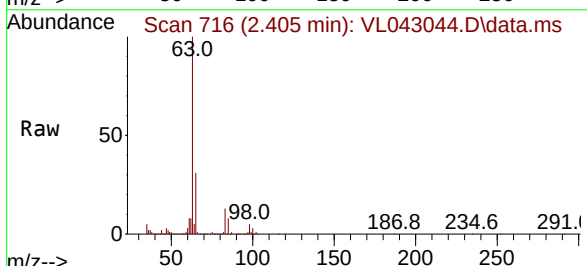
Manual Integrations

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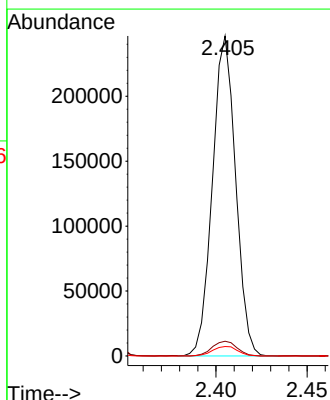
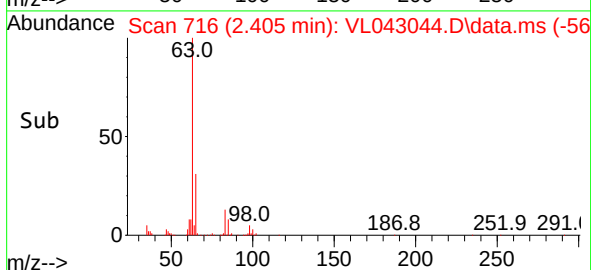
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

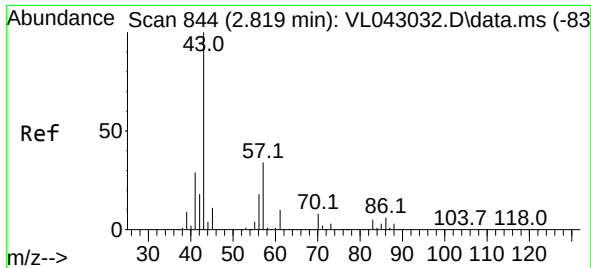


#24
 1,1-Dichloroethane
 Concen: 9.335 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



Tgt Ion: 63 Resp: 217854
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.5 7.4
 100 3.0 1.8 5.4





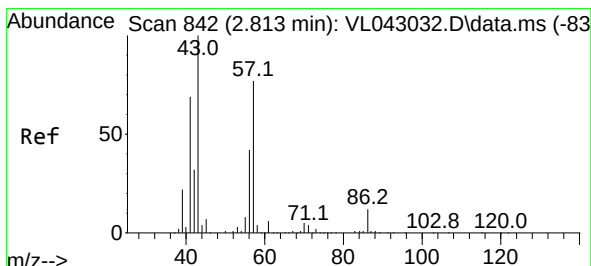
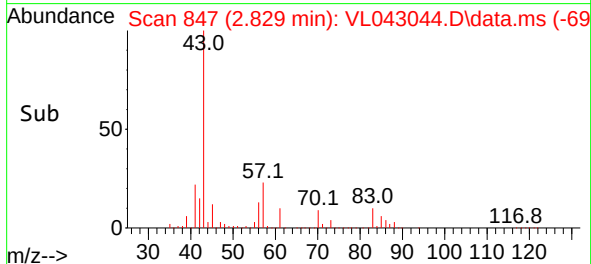
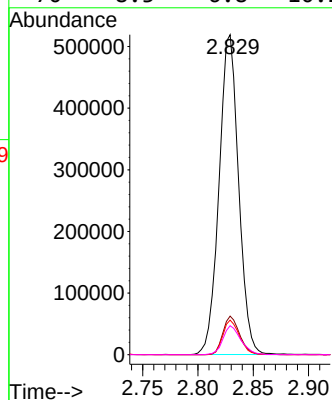
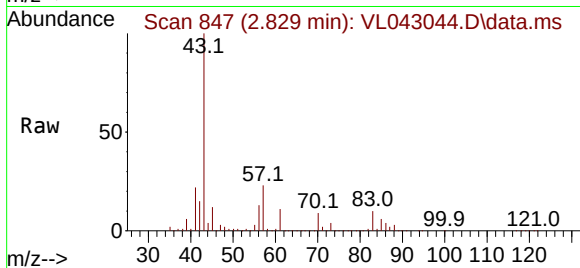
#25
Ethyl Acetate
Concen: 10.026 ppbv
RT: 2.829 min Scan# 844
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 638620
Ion Ratio Lower Upper
43 100
45 10.3 8.3 12.5
61 9.3 7.5 11.3
70 8.3 6.8 10.2

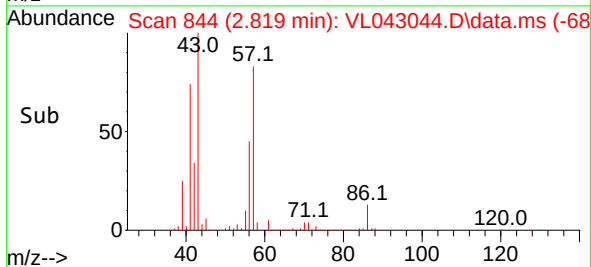
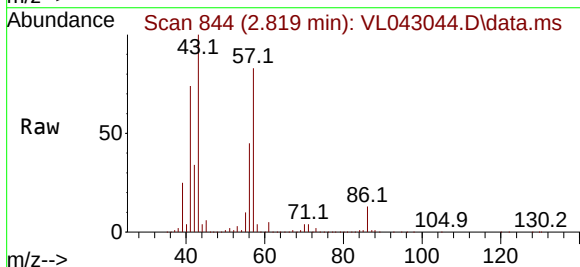
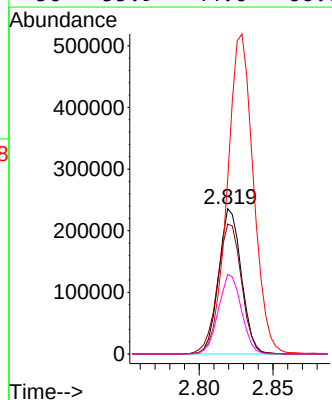
Manual Integrations
APPROVED

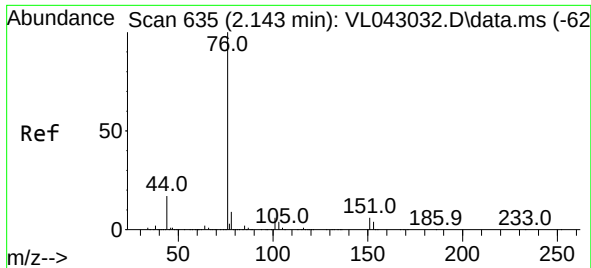
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 10.213 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

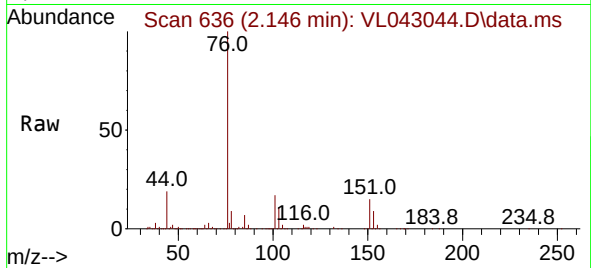
Tgt Ion: 57 Resp: 250238
Ion Ratio Lower Upper
57 100
41 96.9 76.1 114.1
43 256.4 201.4 302.0
56 55.9 44.0 66.0





#27
Carbon Disulfide
Concen: 9.595 ppbv
RT: 2.146 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

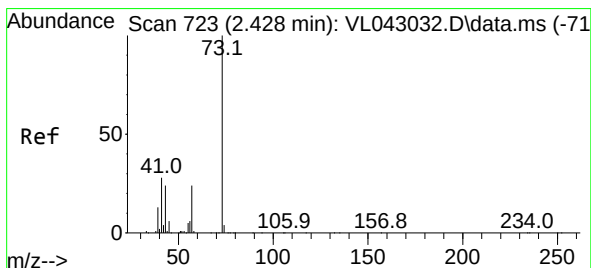
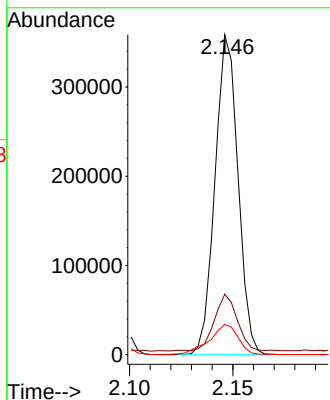
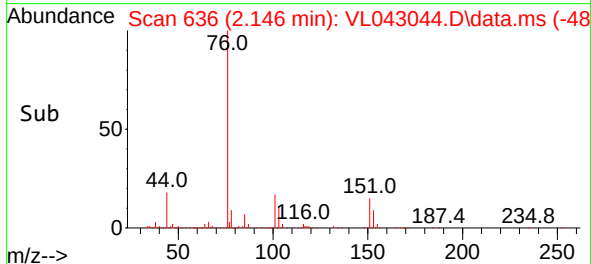
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



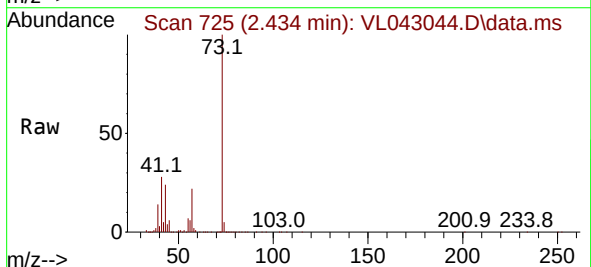
Tgt Ion: 76 Resp: 277548
Ion Ratio Lower Upper
76 100
44 17.5 14.0 21.0
78 11.8 9.4 14.0

Manual Integrations
APPROVED

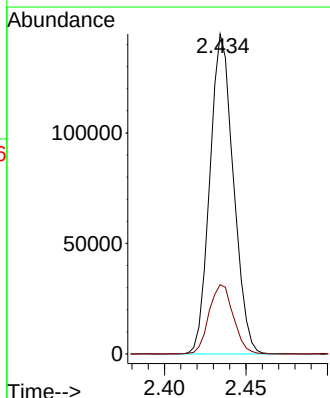
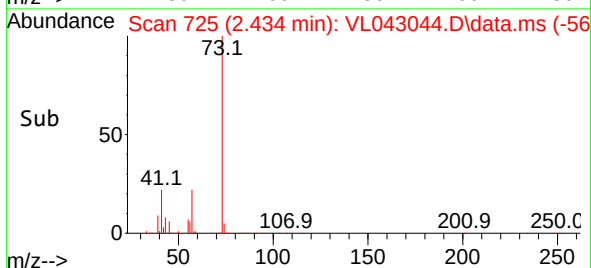
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

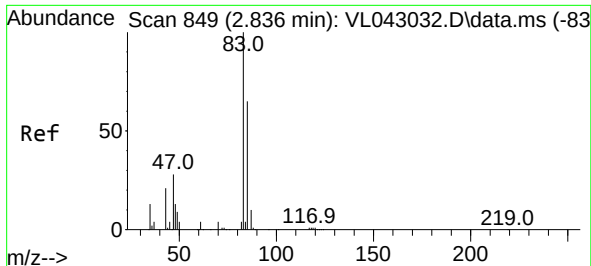


#28
Methyl tert-Butyl Ether
Concen: 9.481 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



Tgt Ion: 73 Resp: 145380
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8





#29

Chloroform

Concen: 9.442 ppbv

RT: 2.842 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 394464

Ion Ratio Lower Upper

83 100

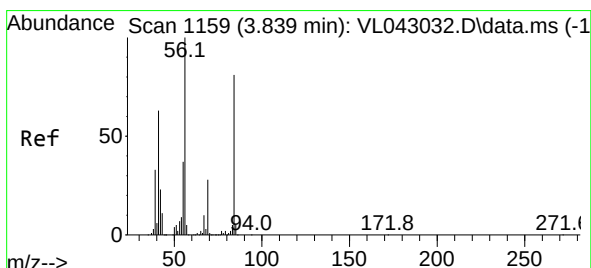
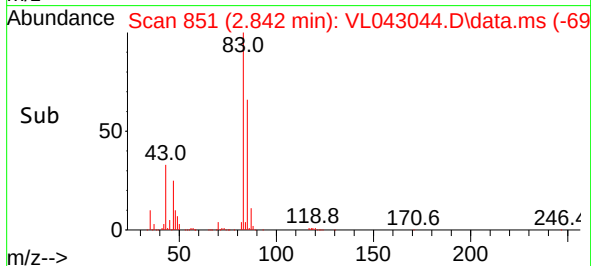
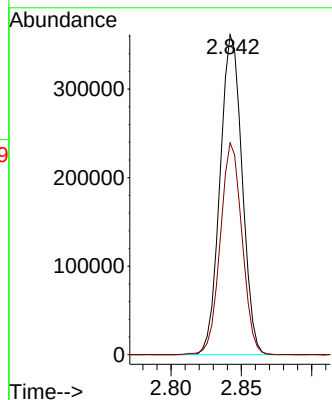
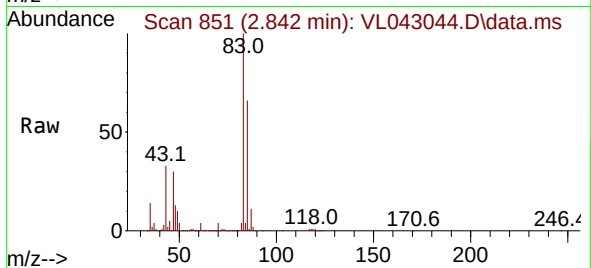
85 66.1 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 10.362 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. 0.010 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

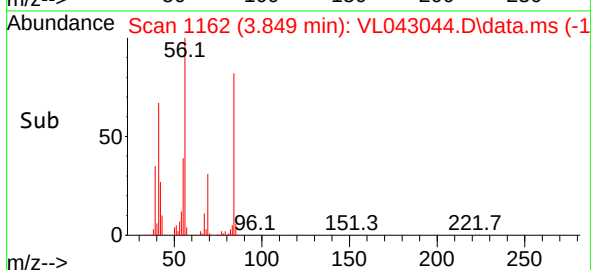
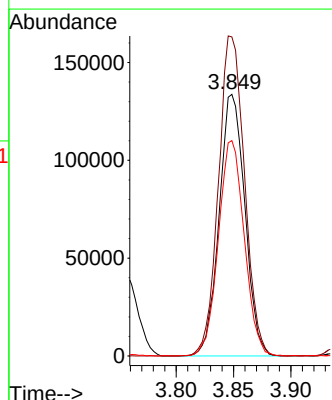
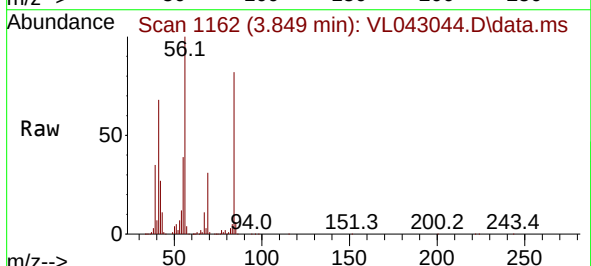
Tgt Ion: 84 Resp: 208637

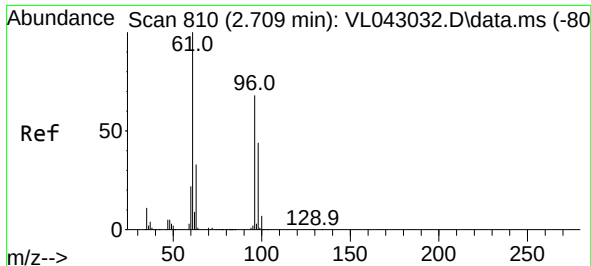
Ion Ratio Lower Upper

84 100

56 123.9 99.9 149.9

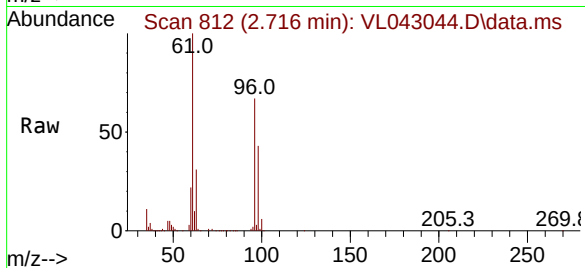
41 83.0 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.688 ppbv
 RT: 2.716 min Scan# 810
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

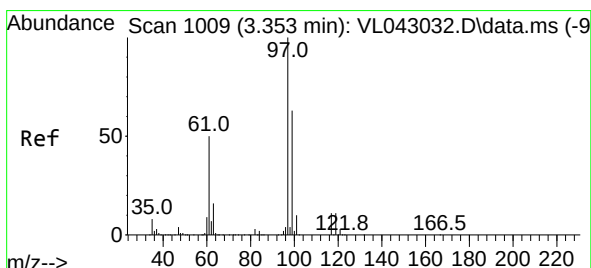
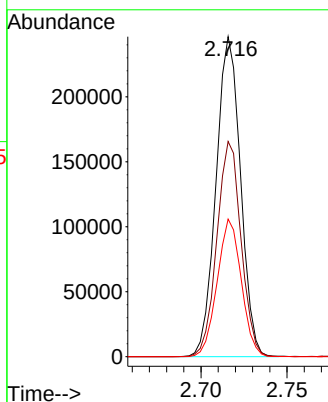
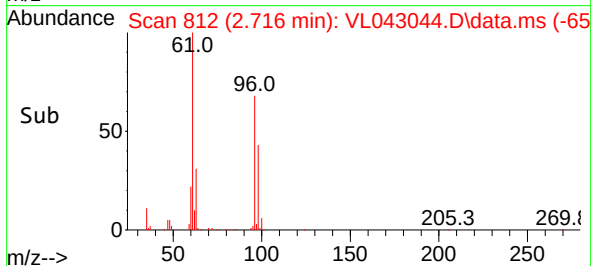
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



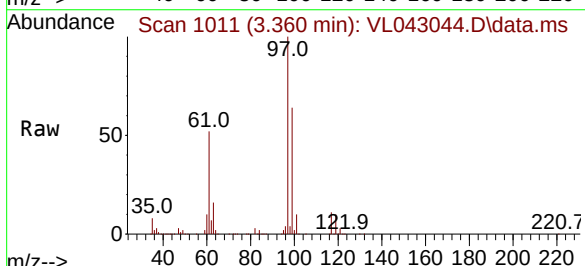
Tgt Ion: 61 Resp: 244012
 Ion Ratio Lower Upper
 61 100
 96 67.2 54.6 82.0
 98 43.0 34.8 52.2

Manual Integrations
 APPROVED

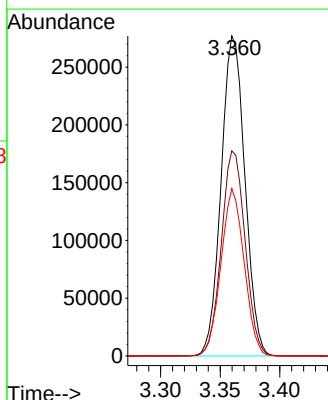
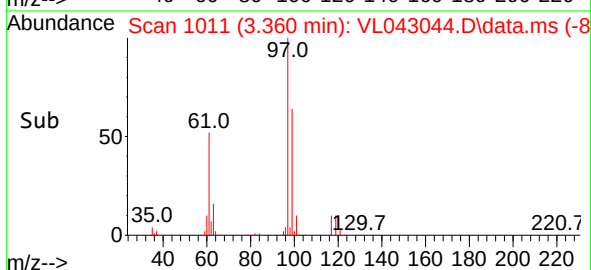
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

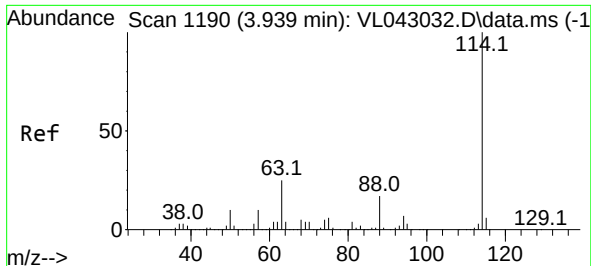


#32
 1,1,1-Trichloroethane
 Concen: 9.465 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. 0.006 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



Tgt Ion: 97 Resp: 384289
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 51.0 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1190

Delta R.T. 0.010 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 51578

Ion Ratio Lower Upper

114 100

63 25.2 19.4 29.2

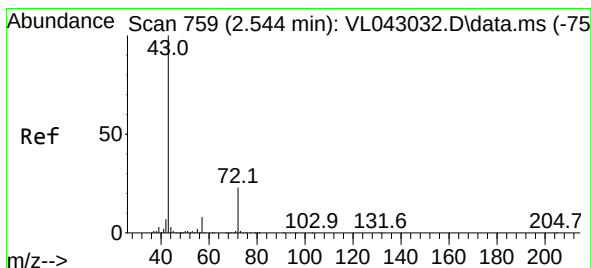
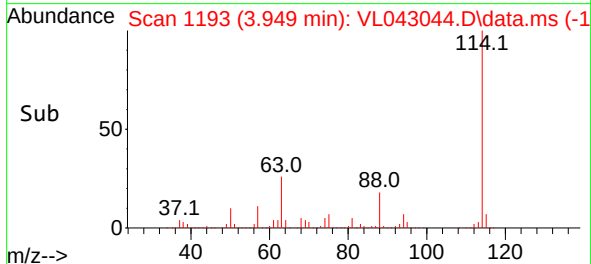
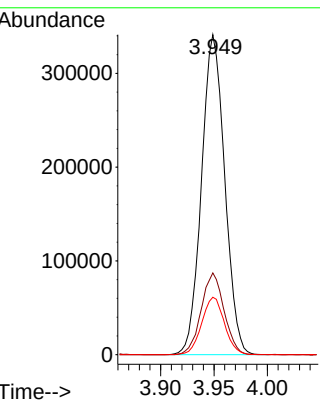
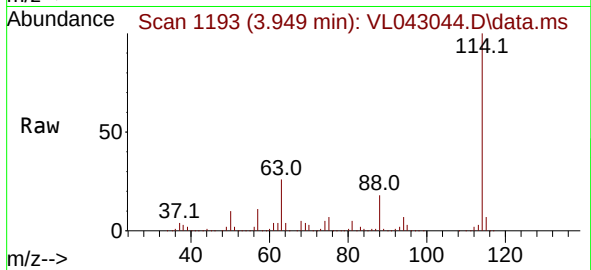
88 17.6 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025

Supervised By :Mahesh Dadoda 10/10/2025



#34

2-Butanone

Concen: 9.944 ppbv

RT: 2.551 min Scan# 761

Delta R.T. 0.006 min

Lab File: VL043044.D

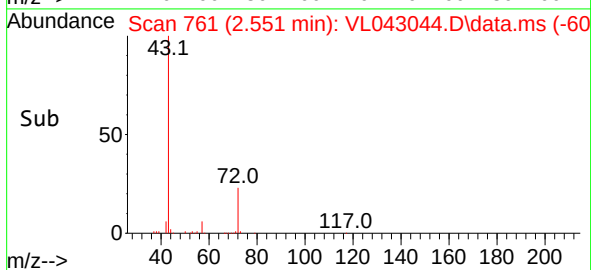
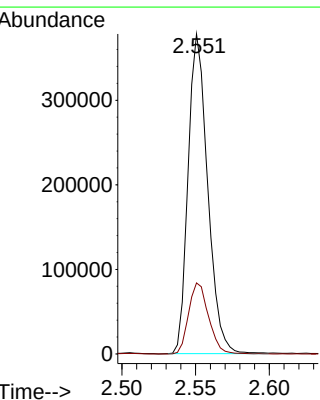
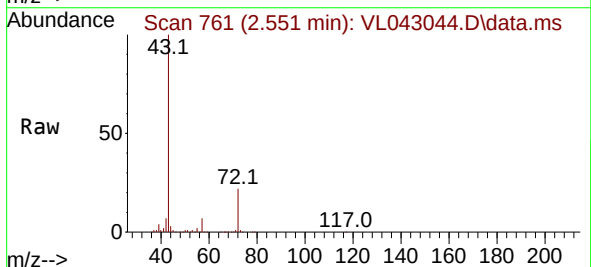
Acq: 06 Oct 2025 08:38

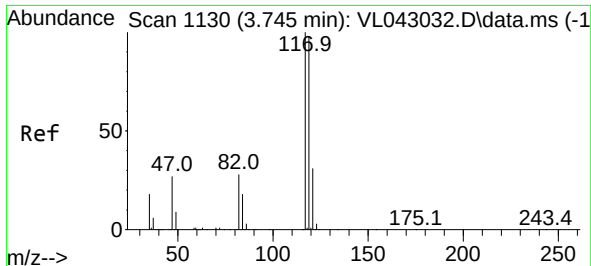
Tgt Ion: 43 Resp: 347993

Ion Ratio Lower Upper

43 100

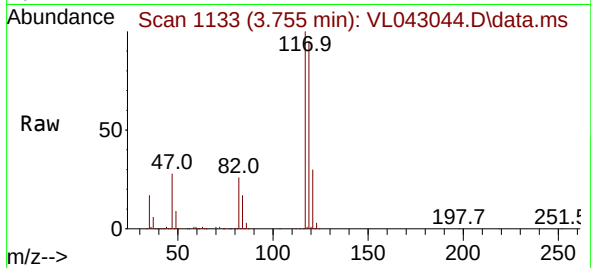
72 22.7 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.619 ppbv
RT: 3.755 min Scan# 1130
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

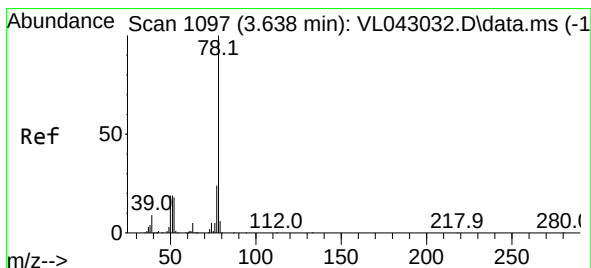
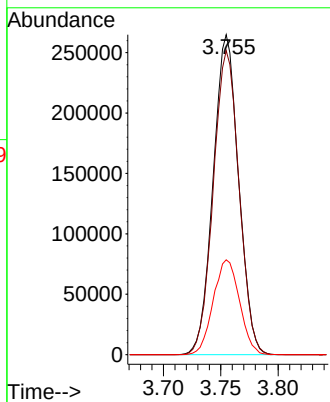
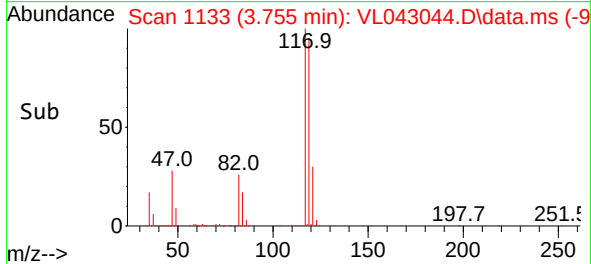
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



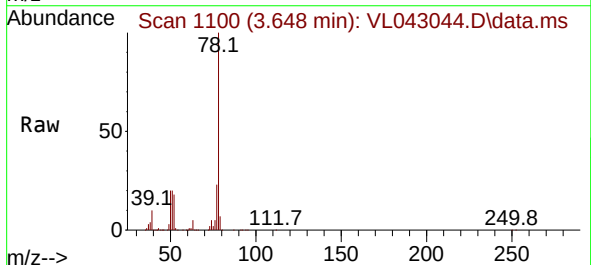
Tgt Ion:117 Resp: 408168
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.4
121 29.6 24.8 37.2

Manual Integrations
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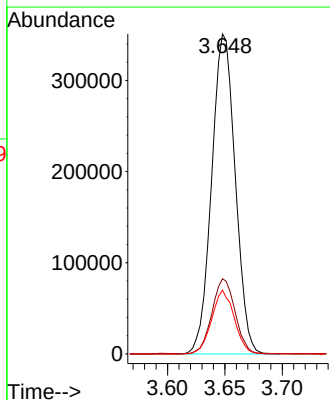
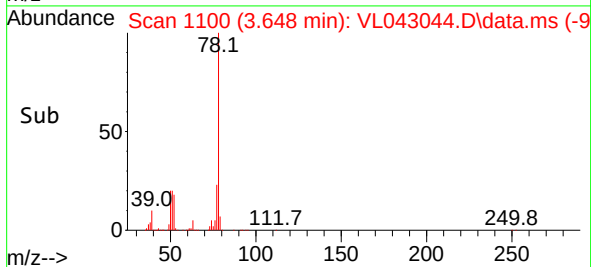
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

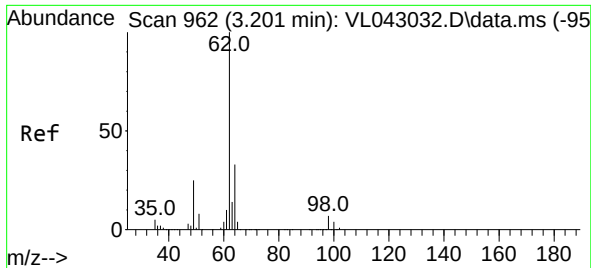


#36
Benzene
Concen: 10.190 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



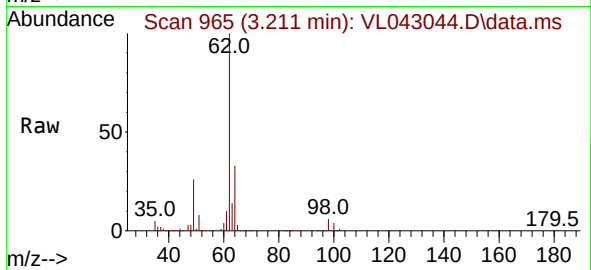
Tgt Ion: 78 Resp: 502165
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8
50 19.9 14.9 22.3





#37
1,2-Dichloroethane
Concen: 10.066 ppbv
RT: 3.211 min Scan# 965
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

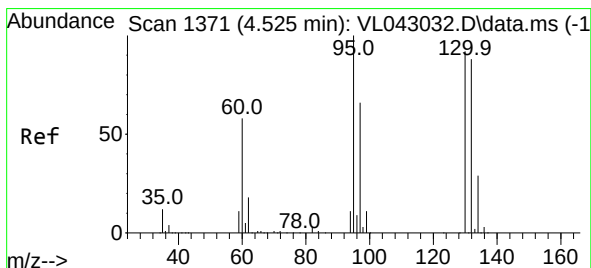
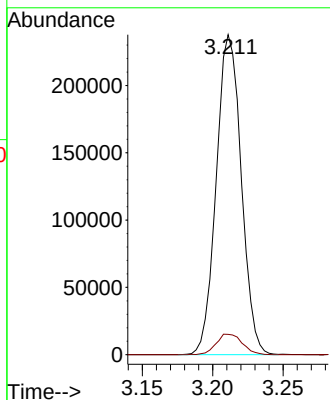
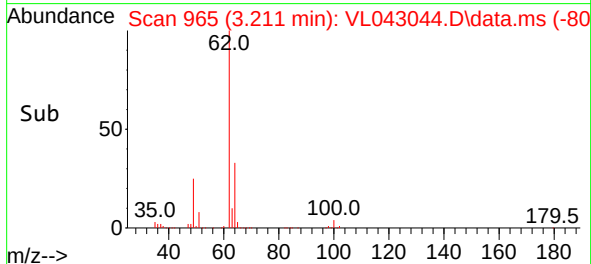
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 293779
Ion Ratio Lower Upper
62 100
98 6.8 5.6 8.4

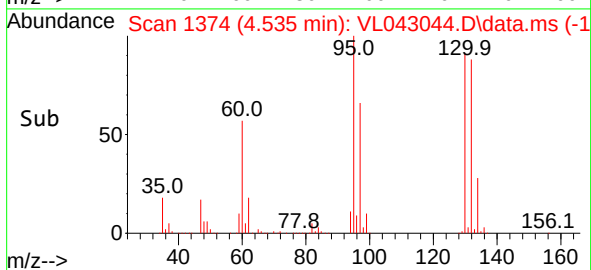
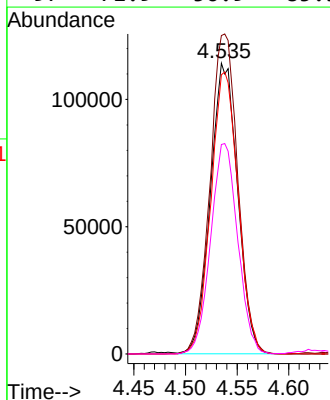
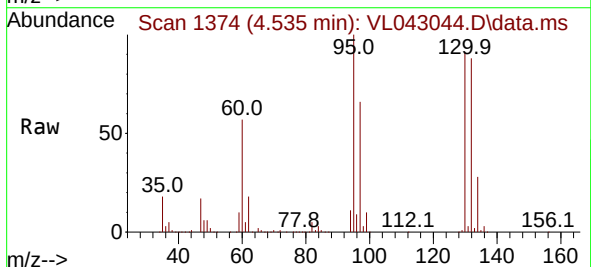
Manual Integrations
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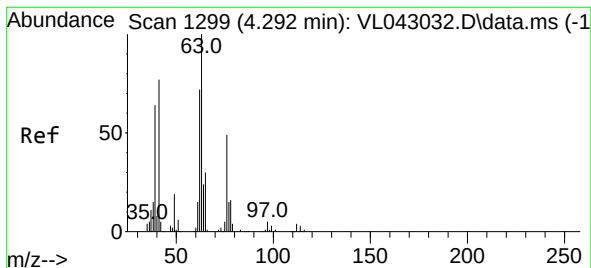
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 10.233 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion:130 Resp: 210056
Ion Ratio Lower Upper
130 100
95 109.5 86.4 129.6
132 96.0 75.7 113.5
97 71.9 56.9 85.3





#39

1,2-Dichloropropane

Concen: 10.069 ppbv

RT: 4.302 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

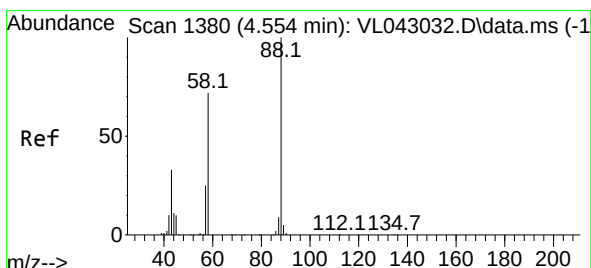
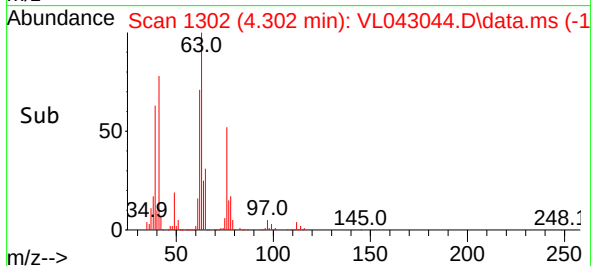
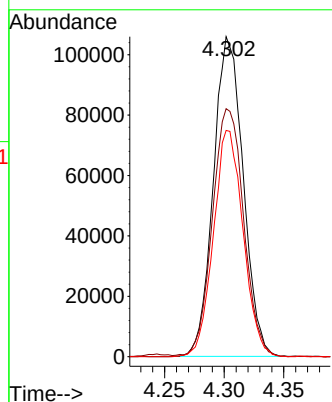
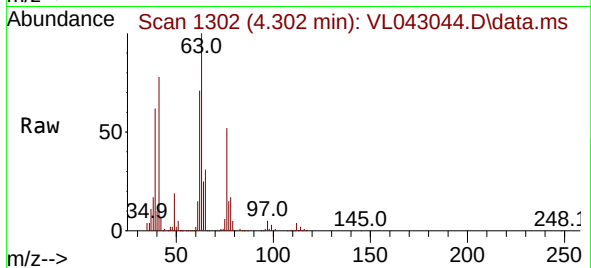
Tgt Ion: 63 Resp: 18391

Ion	Ratio	Lower	Upper
63	100		
41	77.4	61.6	92.4
62	70.5	58.1	87.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 10.517 ppbv

RT: 4.567 min Scan# 1384

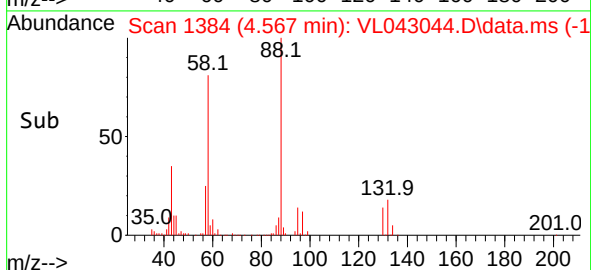
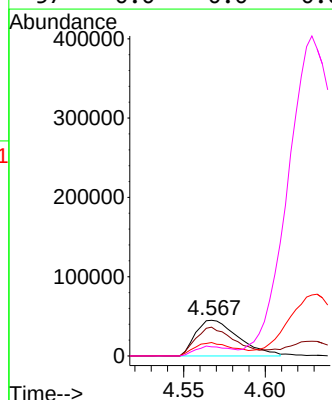
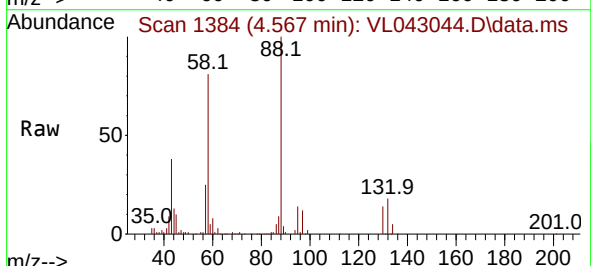
Delta R.T. 0.013 min

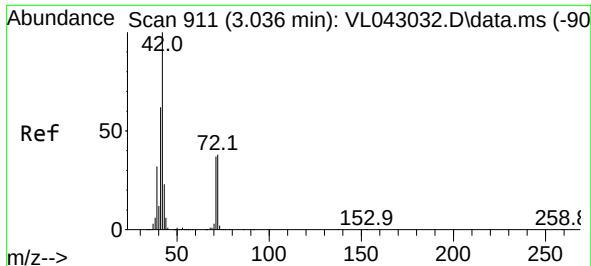
Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Tgt Ion: 88 Resp: 82396

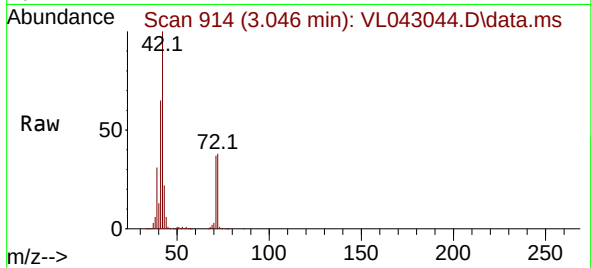
Ion	Ratio	Lower	Upper
88	100		
58	74.9	56.2	84.2
43	34.8	25.7	38.5
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.989 ppbv
RT: 3.046 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

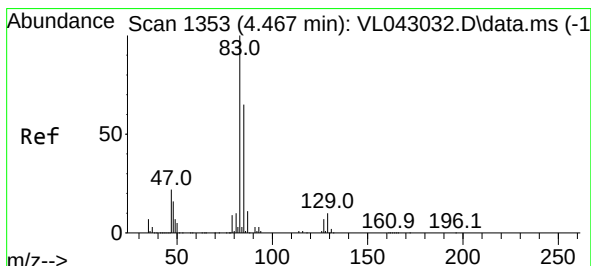
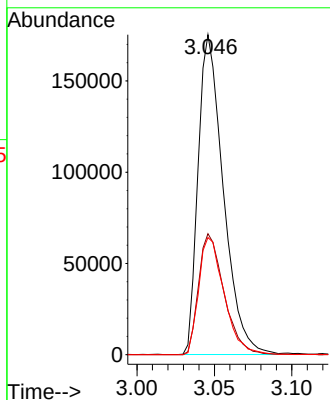
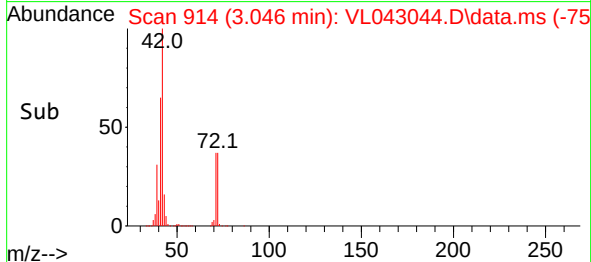
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 198764
Ion Ratio Lower Upper
42 100
72 38.2 31.0 46.6
71 37.1 29.8 44.6

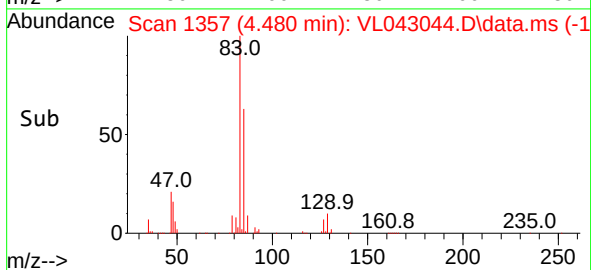
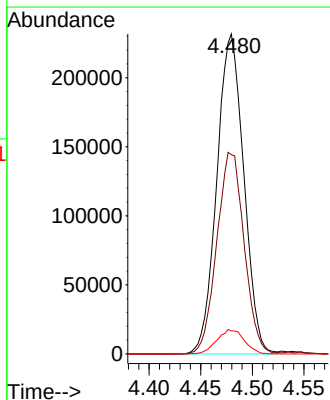
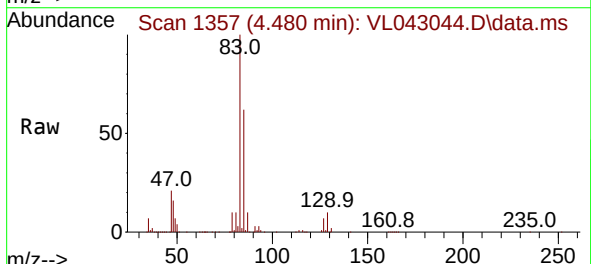
Manual Integrations
APPROVED

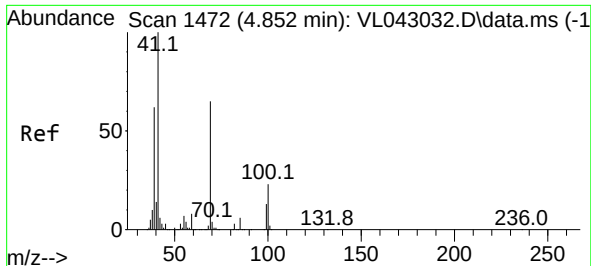
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Bromodichloromethane
Concen: 10.194 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion: 83 Resp: 420134
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.8
127 7.2 5.9 8.9





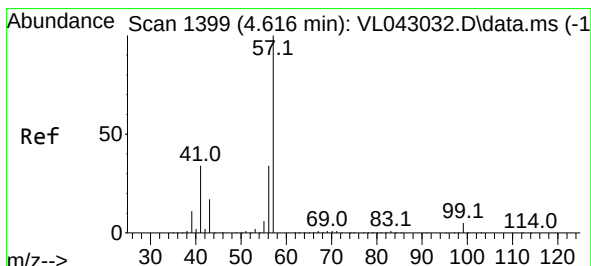
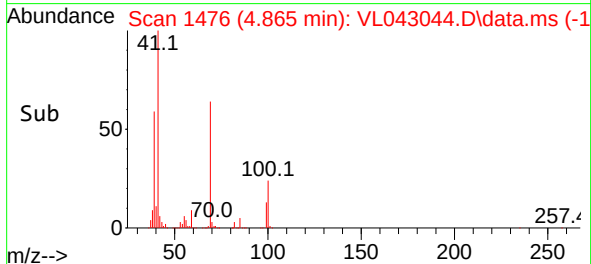
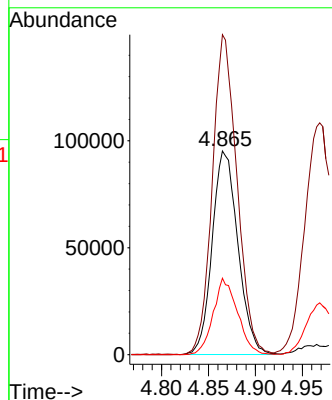
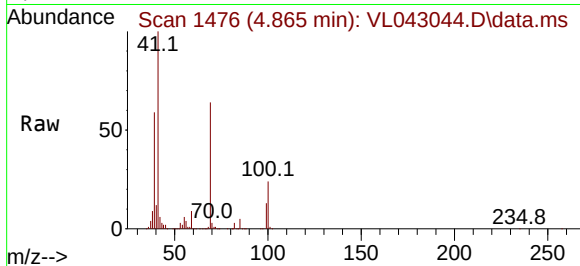
#43
Methyl Methacrylate
Concen: 11.093 ppbv
RT: 4.865 min Scan# 1472
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 181458
Ion Ratio Lower Upper
69 100
41 150.3 118.0 177.0
100 35.5 28.3 42.5

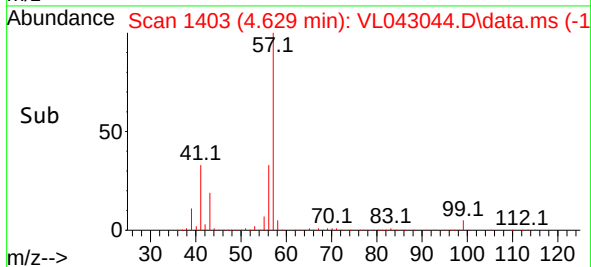
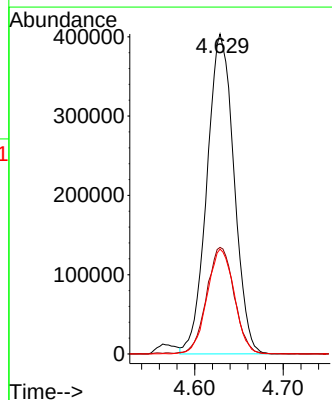
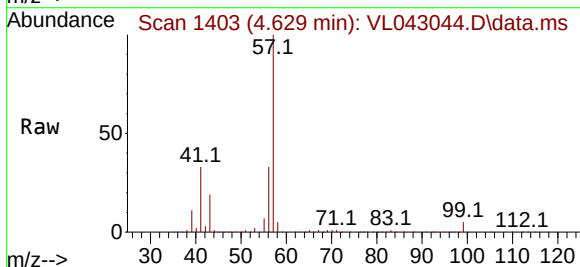
Manual Integrations
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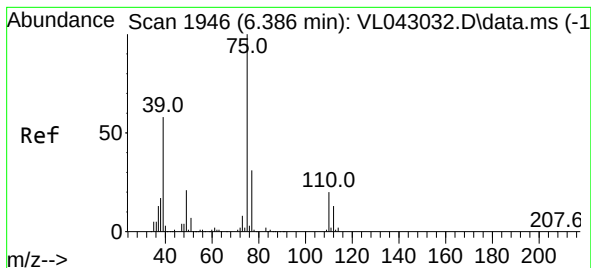
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 10.839 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion: 57 Resp: 857112
Ion Ratio Lower Upper
57 100
41 34.3 27.0 40.4
56 32.9 26.0 39.0





#45

t-1,3-Dichloropropene

Concen: 10.598 ppbv

RT: 6.402 min Scan# 1946

Delta R.T. 0.016 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 15865

Ion Ratio Lower Upper

75 100

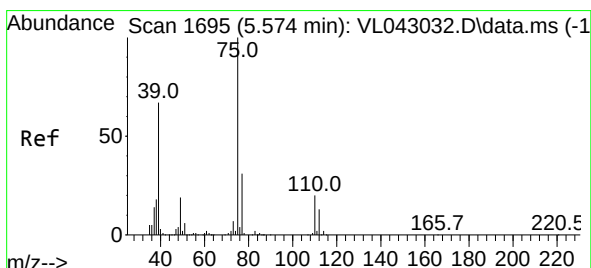
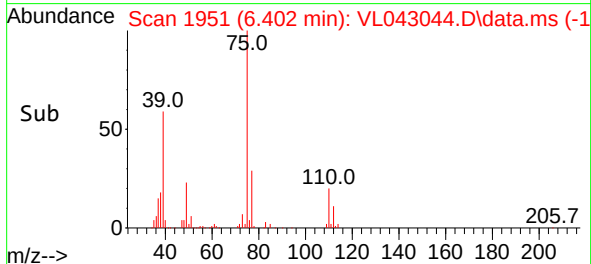
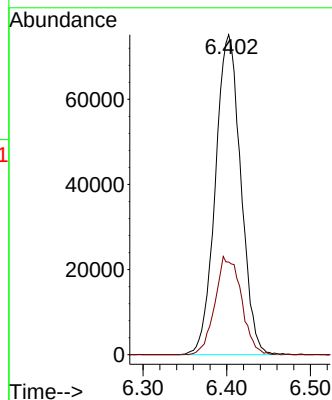
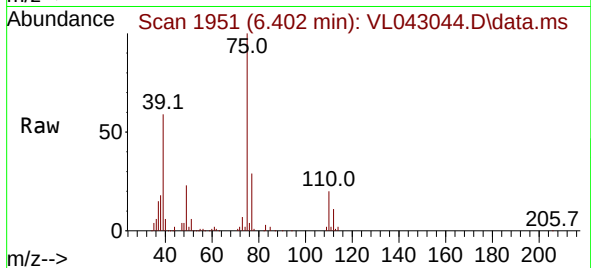
77 28.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

cis-1,3-Dichloropropene

Concen: 10.632 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. 0.013 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

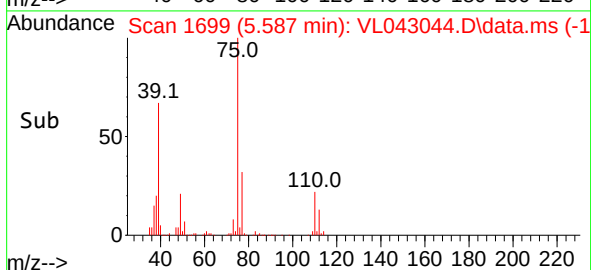
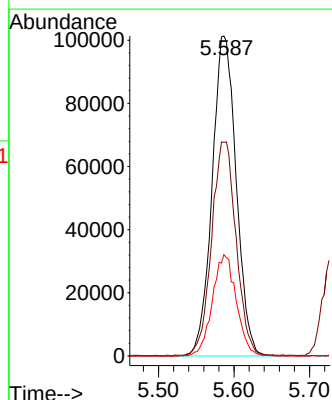
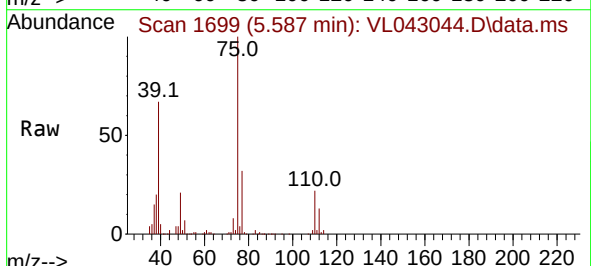
Tgt Ion: 75 Resp: 224260

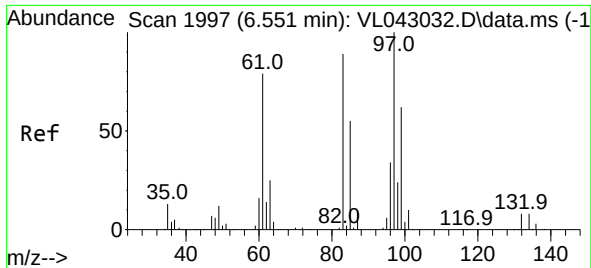
Ion Ratio Lower Upper

75 100

39 66.5 53.4 80.0

77 31.7 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 9.917 ppbv
RT: 6.571 min Scan# 20148
Delta R.T. 0.019 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

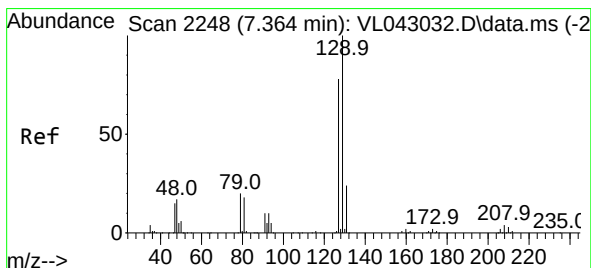
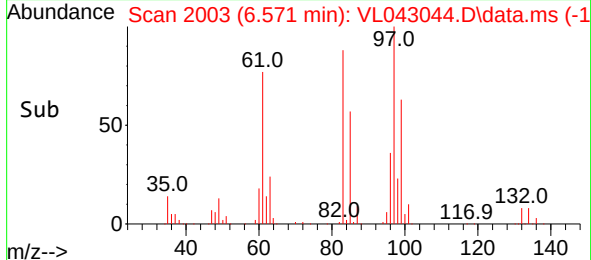
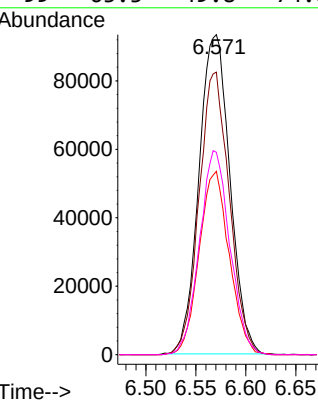
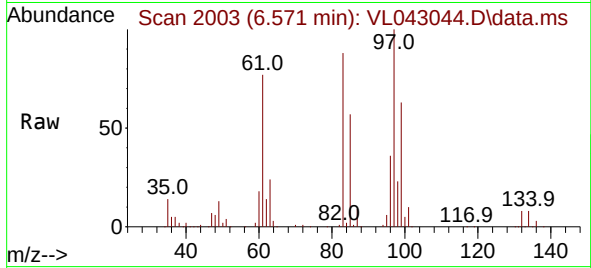
VSTDCCC010

Tgt Ion: 97 Resp: 20148
Ion Ratio Lower Upper
97 100
83 88.3 71.1 106.7
85 57.1 44.3 66.5
99 63.3 49.8 74.8

Manual Integrations

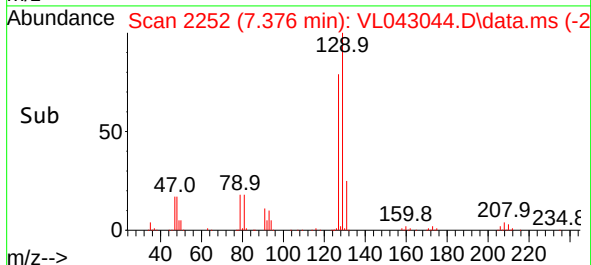
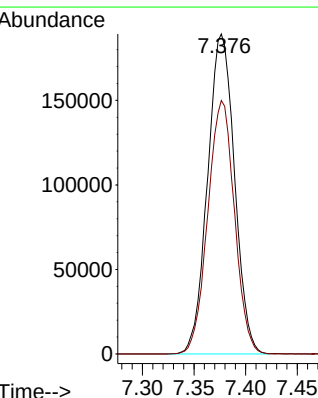
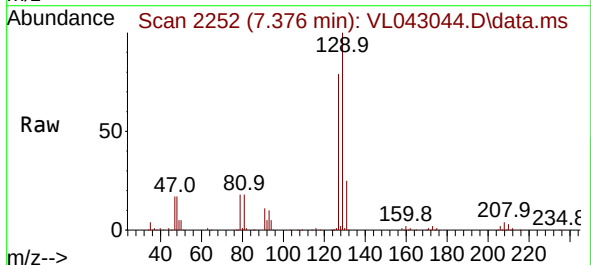
APPROVED

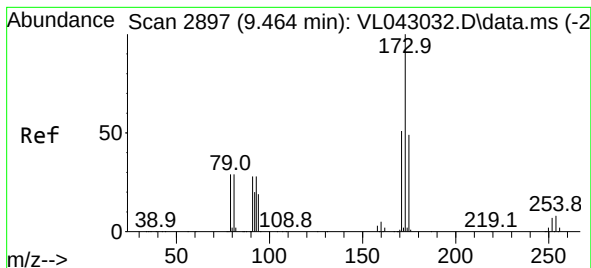
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
Dibromochloromethane
Concen: 10.366 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion:129 Resp: 343727
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





#49

Bromoform

Concen: 10.633 ppbv

RT: 9.474 min Scan# 2900

Delta R.T. 0.010 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

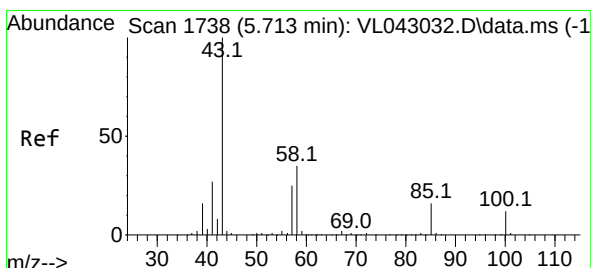
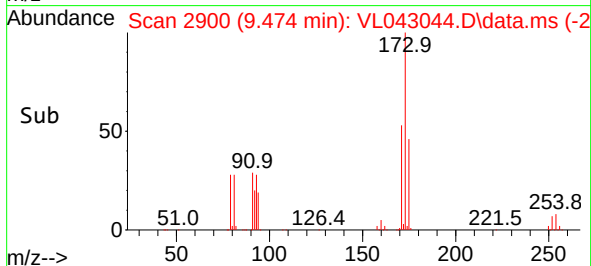
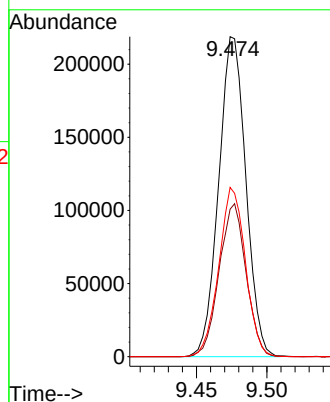
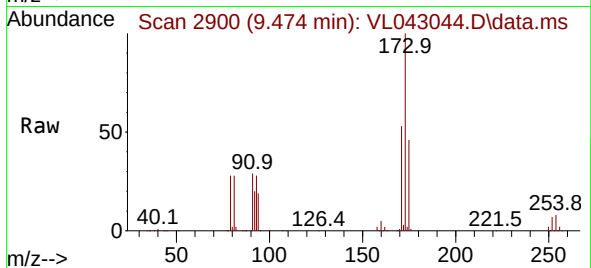
VSTDCCC010

Tgt Ion:173 Resp: 294450
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.1 58.7
 171 51.9 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#50

4-Methyl-2-Pentanone

Concen: 11.366 ppbv

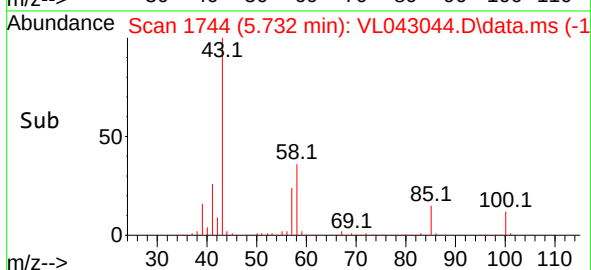
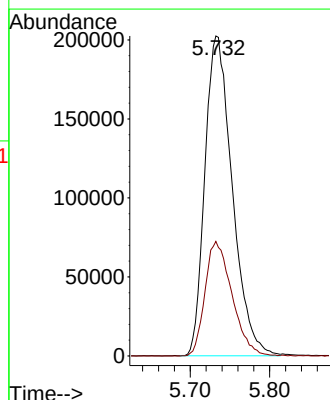
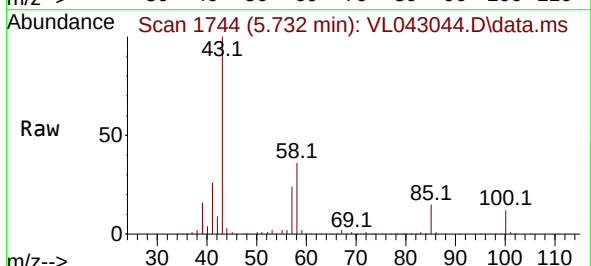
RT: 5.732 min Scan# 1744

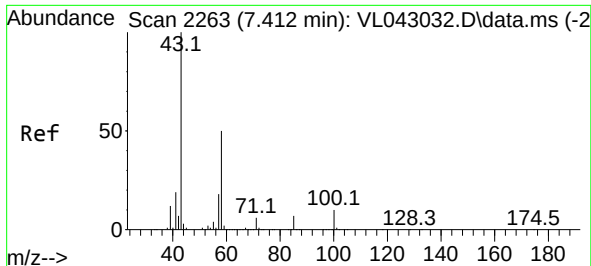
Delta R.T. 0.019 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

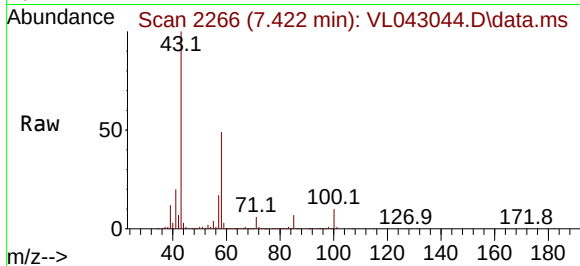
Tgt Ion: 43 Resp: 485069
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.7 43.1





#51
2-Hexanone
Concen: 11.945 ppbv
RT: 7.422 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

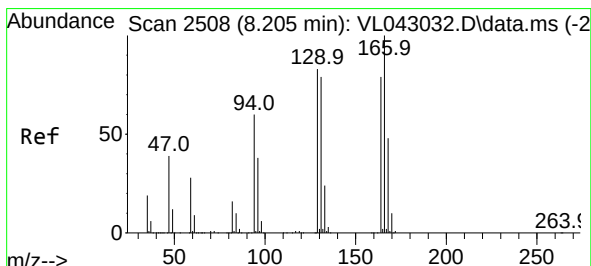
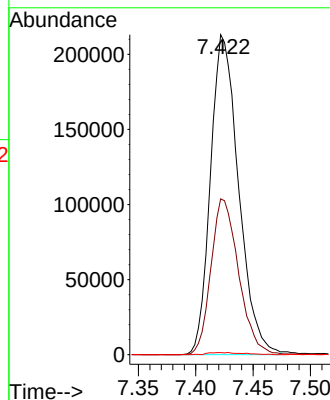
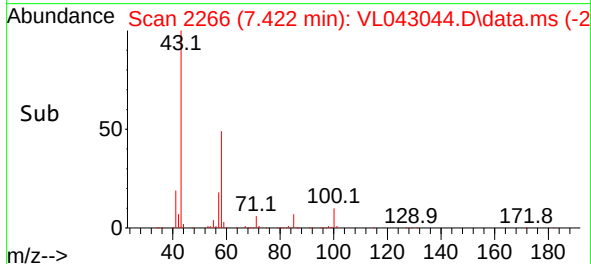
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



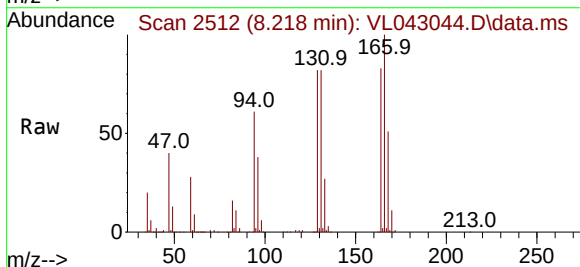
Tgt Ion: 43 Resp: 362864
Ion Ratio Lower Upper
43 100
58 48.2 39.1 58.7
98 0.9 0.5 0.7

Manual Integrations
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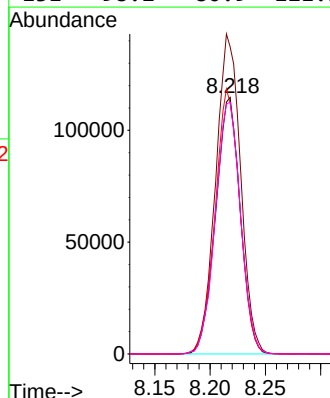
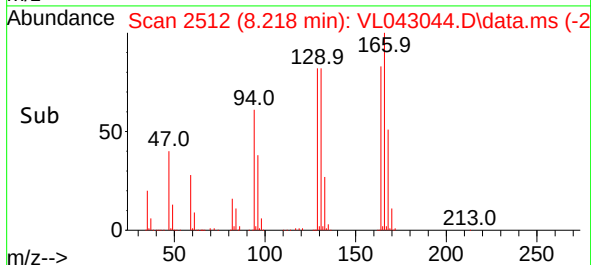
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

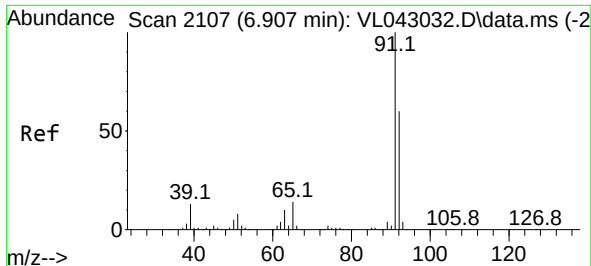


#52
Tetrachloroethene
Concen: 9.758 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



Tgt Ion:164 Resp: 178049
Ion Ratio Lower Upper
164 100
166 119.8 101.8 152.8
129 97.8 84.5 126.7
131 98.2 80.9 121.3





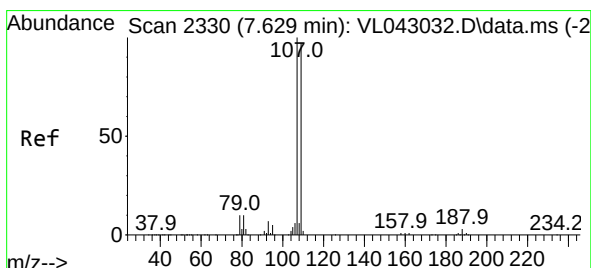
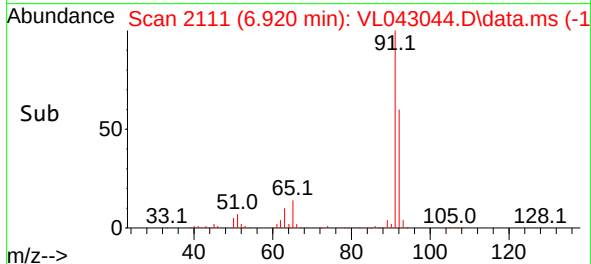
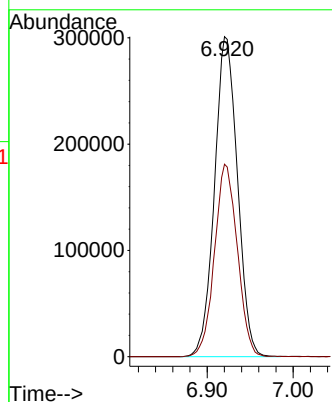
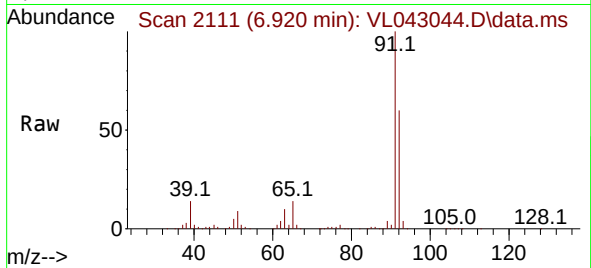
#53
Toluene
Concen: 11.220 ppbv
RT: 6.920 min Scan# 2107
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 55821
Ion Ratio Lower Upper
91 100
92 59.9 47.8 71.6

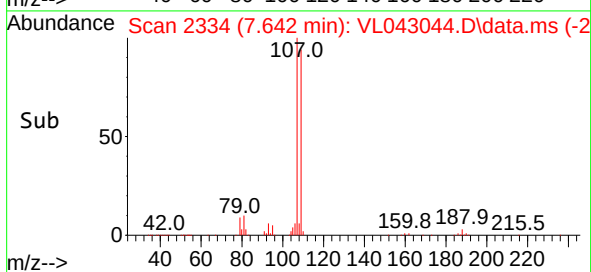
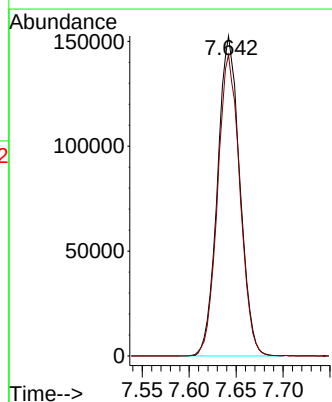
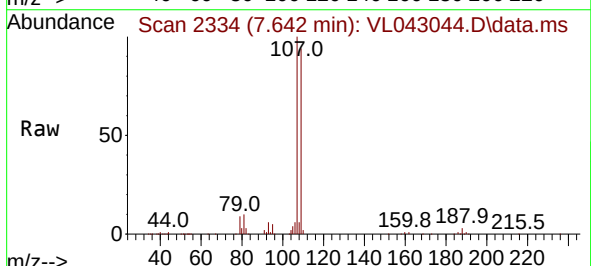
Manual Integrations
APPROVED

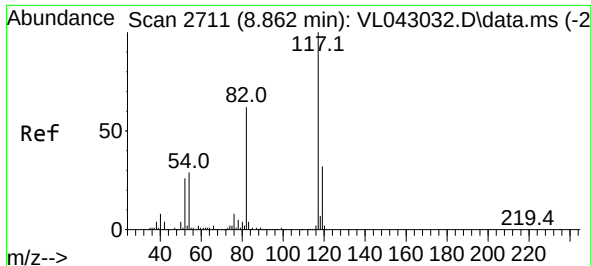
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
1,2-Dibromoethane
Concen: 10.454 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

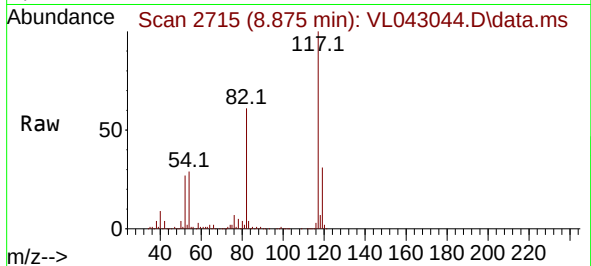
Tgt Ion:107 Resp: 251743
Ion Ratio Lower Upper
107 100
109 94.1 77.4 116.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2711
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

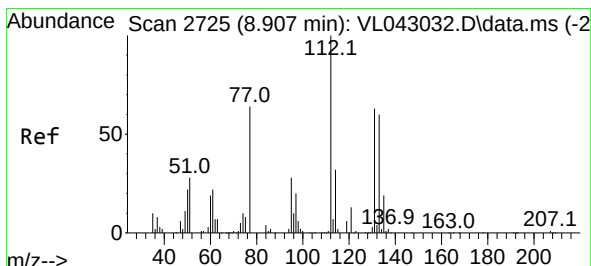
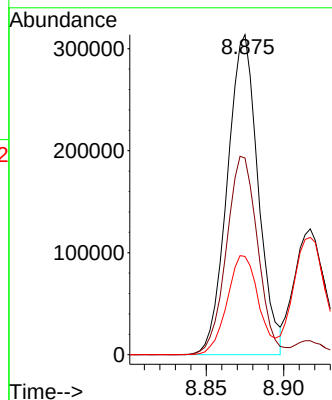
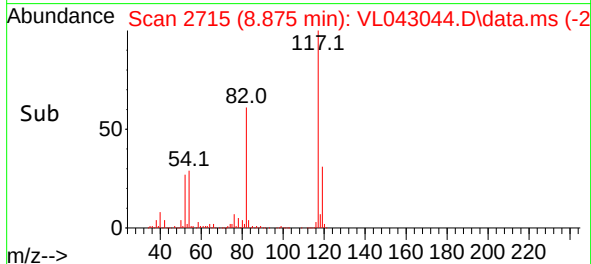
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 434070
Ion Ratio Lower Upper
117 100
82 67.4 53.0 79.6
119 32.6 25.4 38.2

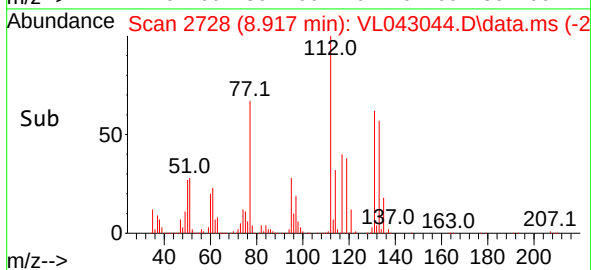
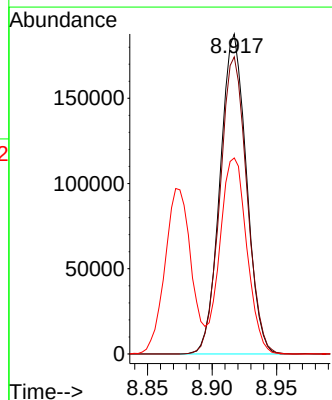
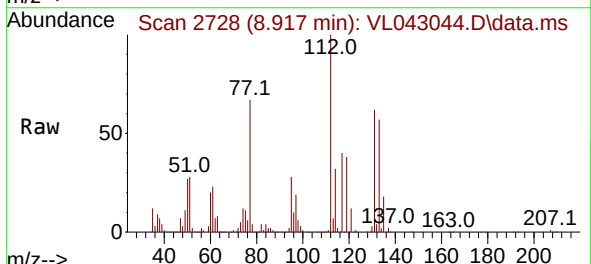
Manual Integrations
APPROVED

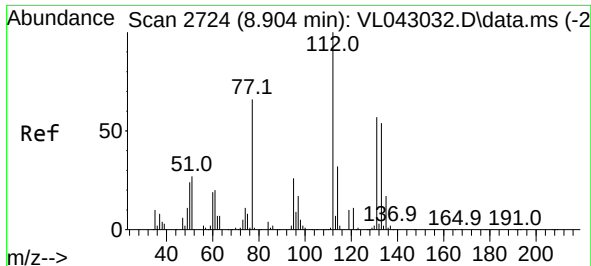
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.090 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion:131 Resp: 266983
Ion Ratio Lower Upper
131 100
133 94.7 76.2 114.4
119 62.3 49.4 74.2





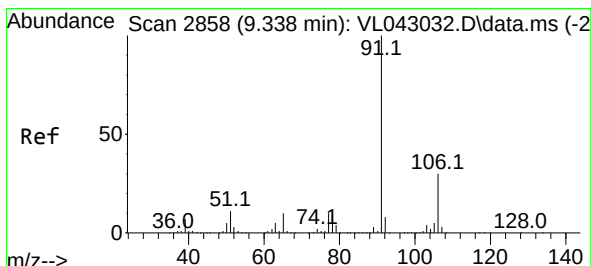
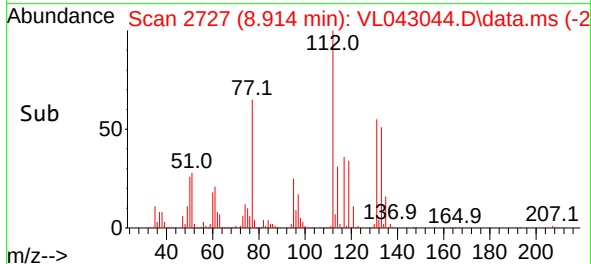
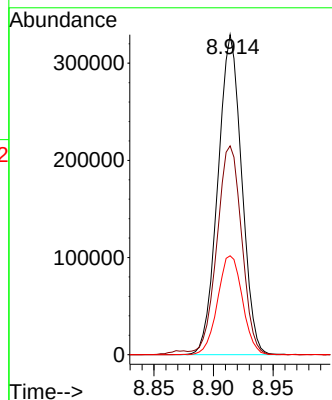
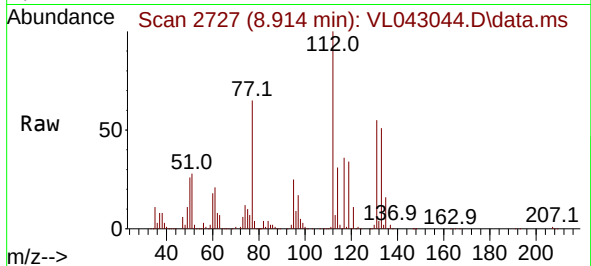
#57
Chlorobenzene
Concen: 9.973 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 457632
Ion Ratio Lower Upper
112 100
77 65.2 53.2 79.8
114 30.9 28.6 35.0

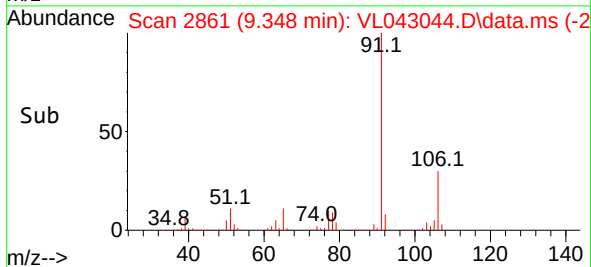
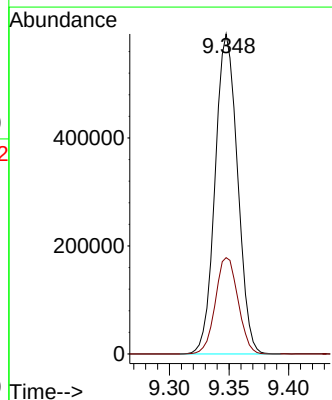
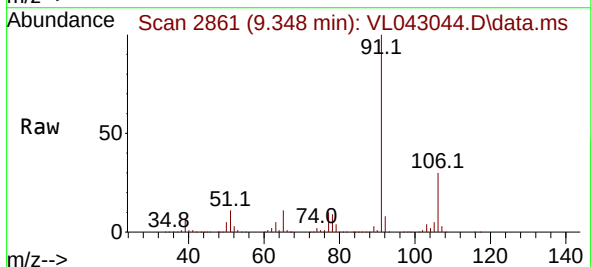
Manual Integrations
APPROVED

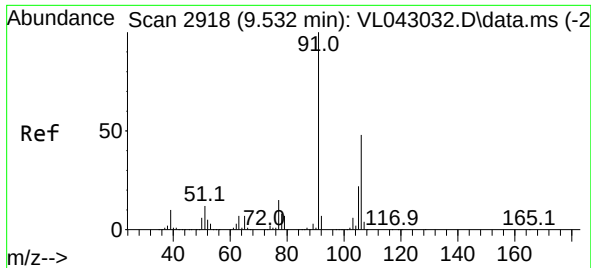
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 11.509 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion: 91 Resp: 773986
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1





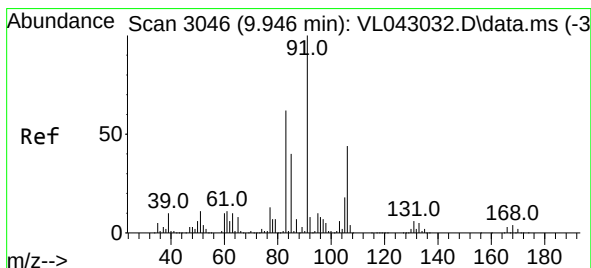
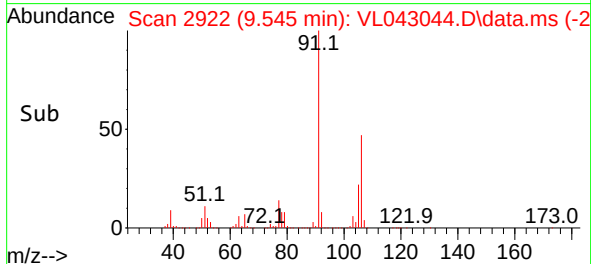
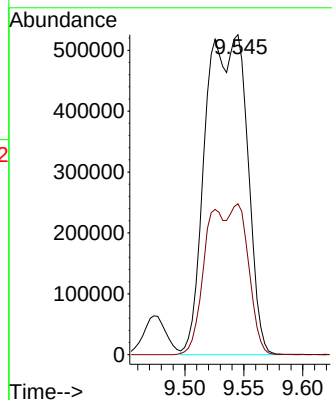
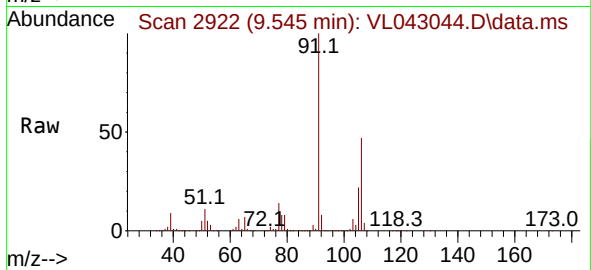
#59
m/p-Xylene
Concen: 22.776 ppbv m
RT: 9.545 min Scan# 2918
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1291850
Ion Ratio Lower Upper
91 100
106 47.2 37.5 56.3

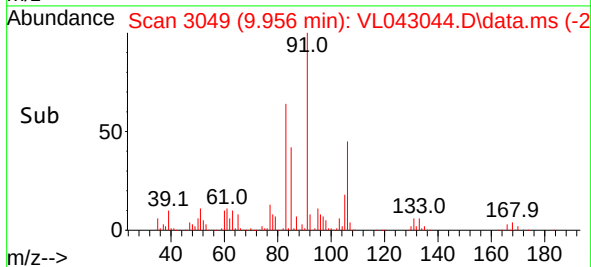
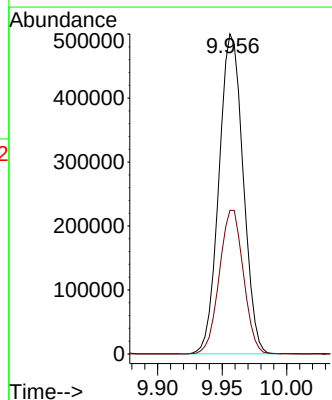
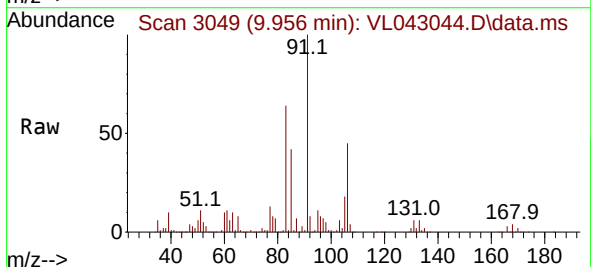
Manual Integrations
APPROVED

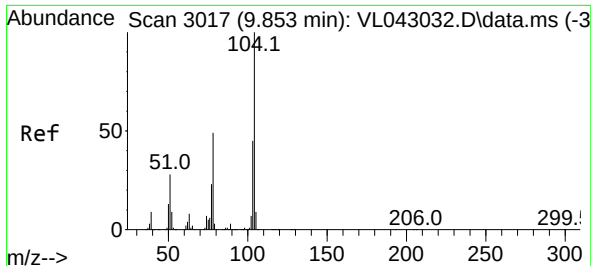
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 11.509 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

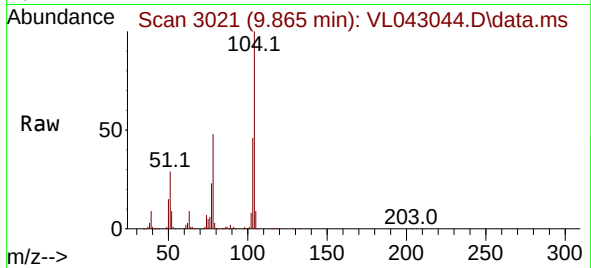
Tgt Ion: 91 Resp: 650260
Ion Ratio Lower Upper
91 100
106 44.8 21.9 65.5





#61
Styrene
Concen: 12.082 ppbv
RT: 9.865 min Scan# 3017
Delta R.T. 0.013 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

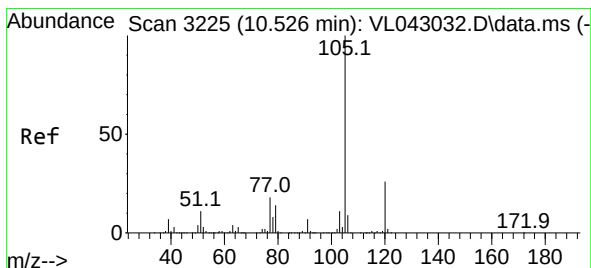
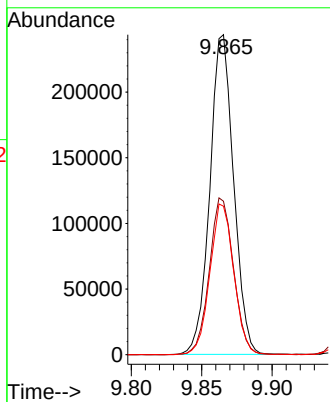
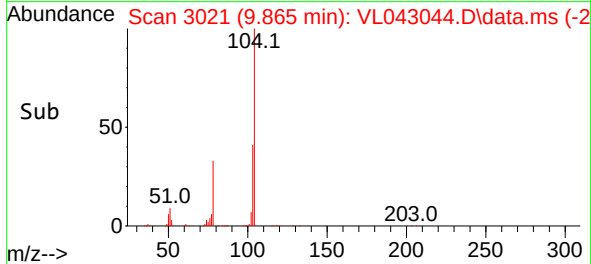
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:104 Resp: 285984
Ion Ratio Lower Upper
104 100
78 50.0 39.7 59.5
103 47.5 37.6 56.4

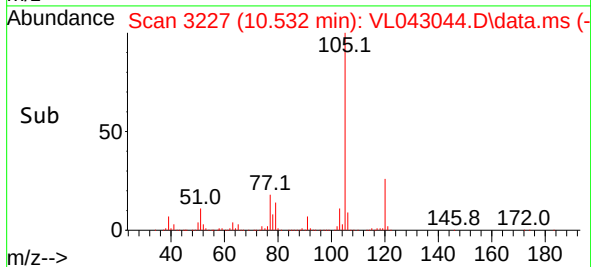
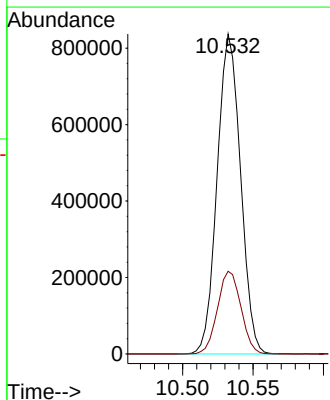
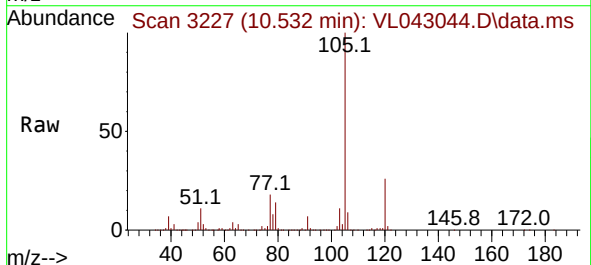
Manual Integrations
APPROVED

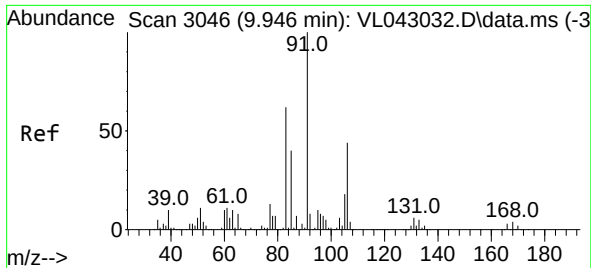
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Isopropylbenzene
Concen: 11.142 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

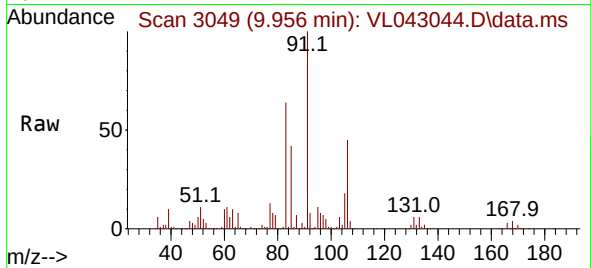
Tgt Ion:105 Resp: 966428
Ion Ratio Lower Upper
105 100
120 25.9 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 10.098 ppbv
RT: 9.956 min Scan# 3046
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

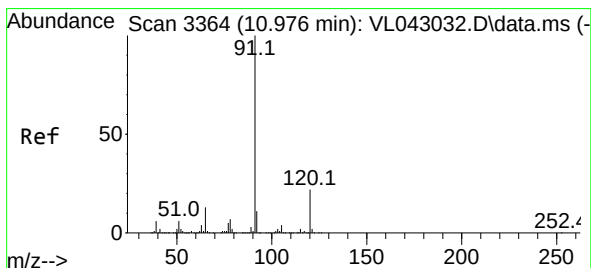
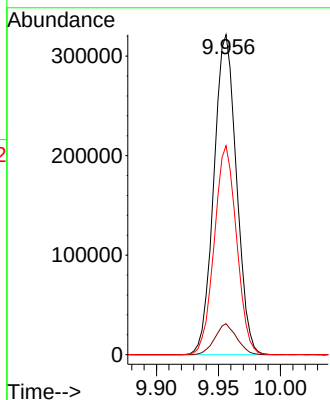
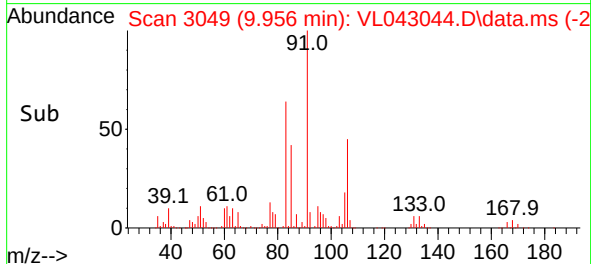
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



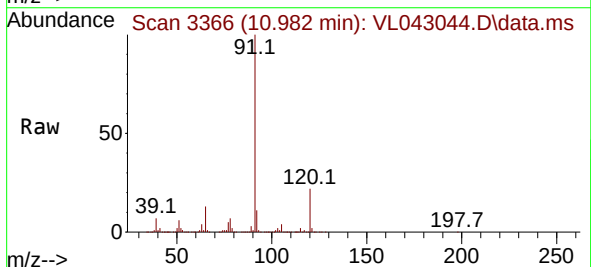
Tgt Ion: 83 Resp: 40929
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.1
85 64.4 32.0 96.2

Manual Integrations
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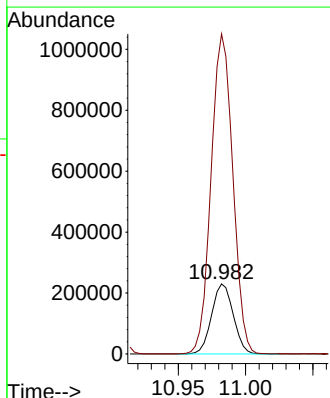
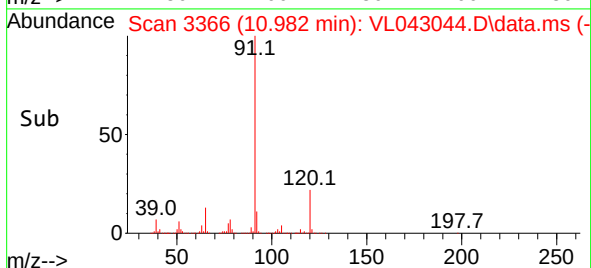
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

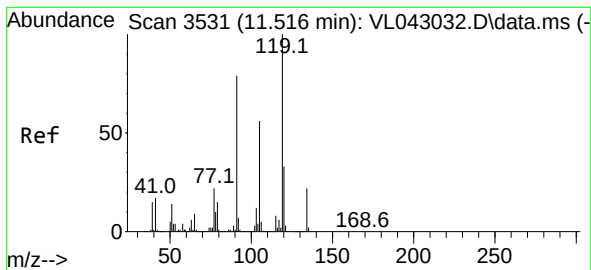


#64
n-propylbenzene
Concen: 11.553 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



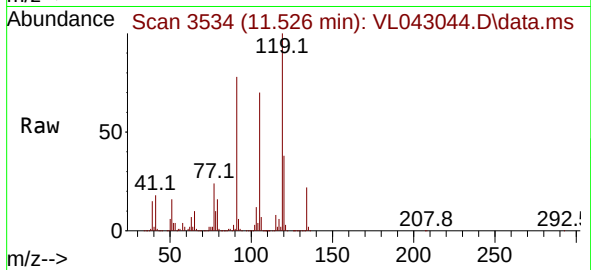
Tgt Ion:120 Resp: 256334
Ion Ratio Lower Upper
120 100
91 460.0 367.0 550.4





#65
tert-Butylbenzene
Concen: 11.407 ppbv
RT: 11.526 min Scan# 3531
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

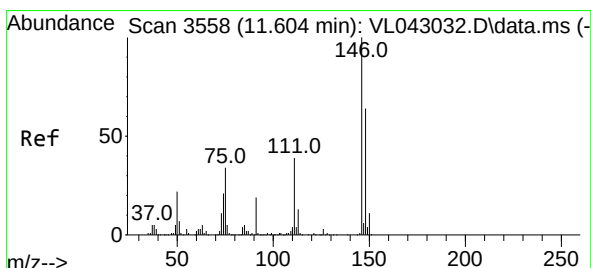
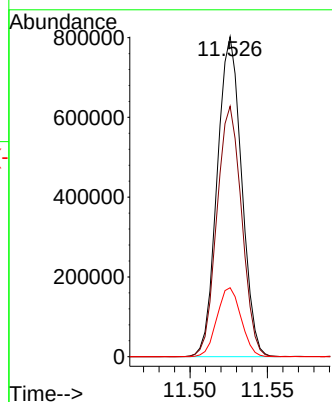
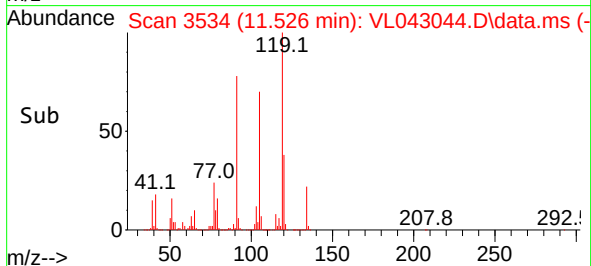
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 119 Resp: 88054
Ion Ratio Lower Upper
119 100
91 79.4 63.1 94.7
134 21.3 16.9 25.3

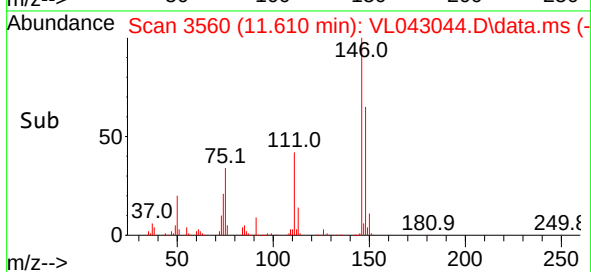
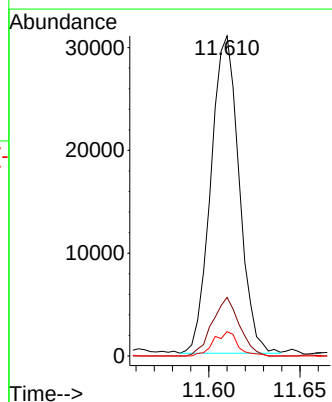
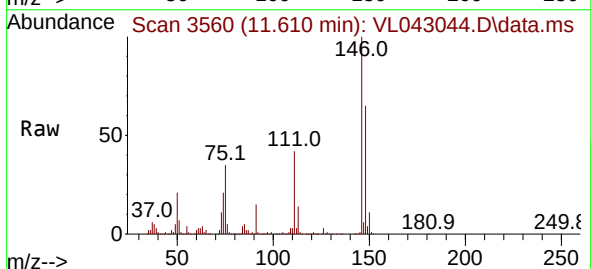
Manual Integrations
APPROVED

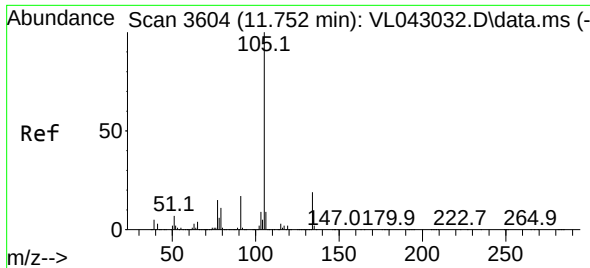
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 11.284 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

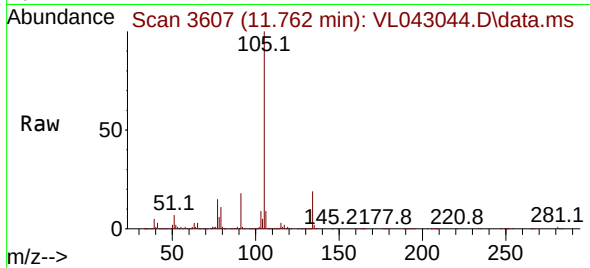
Tgt Ion: 91 Resp: 33291
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.4
128 6.6 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 11.277 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. 0.010 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38

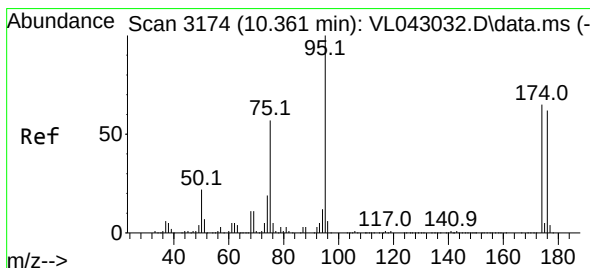
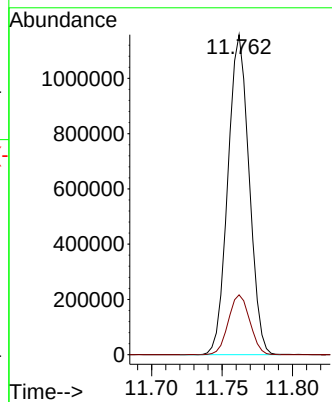
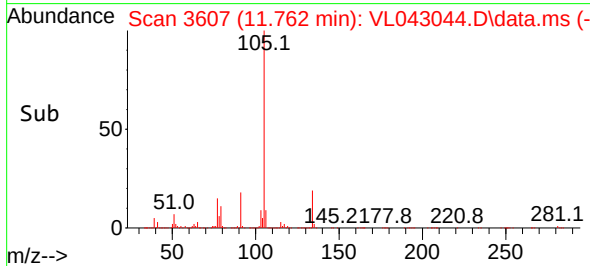
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



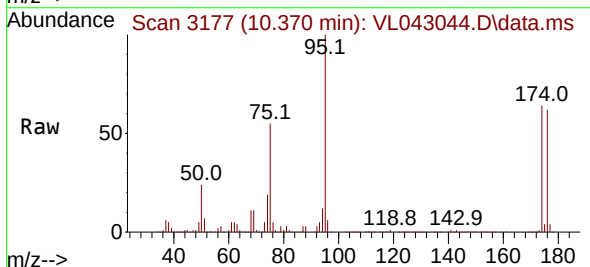
Tgt Ion:105 Resp: 1214749
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.2 22.8

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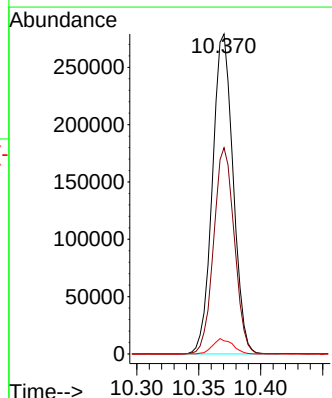
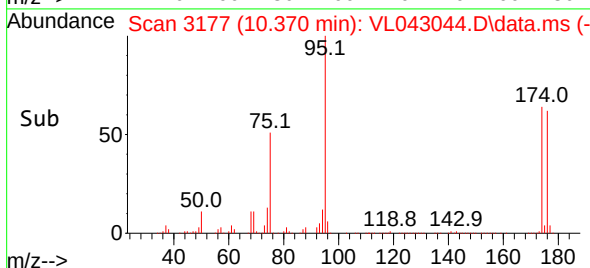
Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

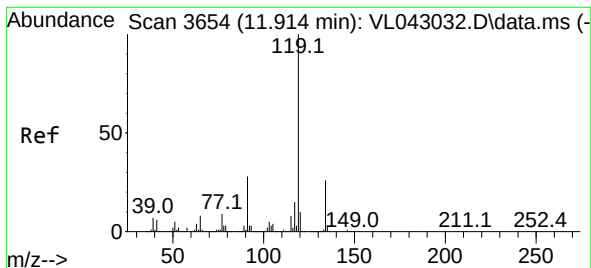


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.377 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.010 min
 Lab File: VL043044.D
 Acq: 06 Oct 2025 08:38



Tgt Ion: 95 Resp: 324488
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.3 78.5
 175 4.6 3.8 5.8





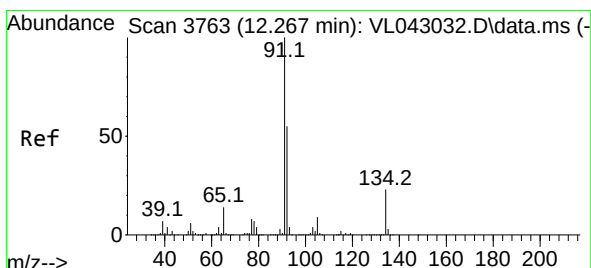
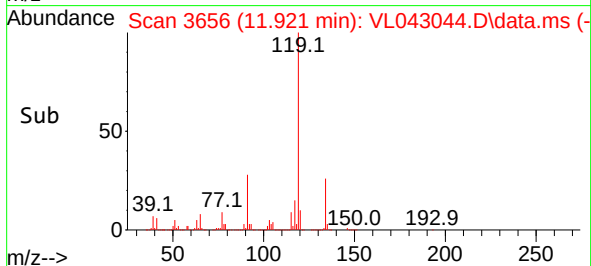
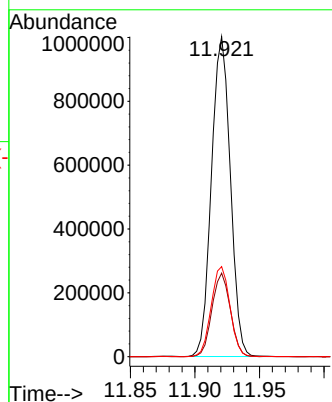
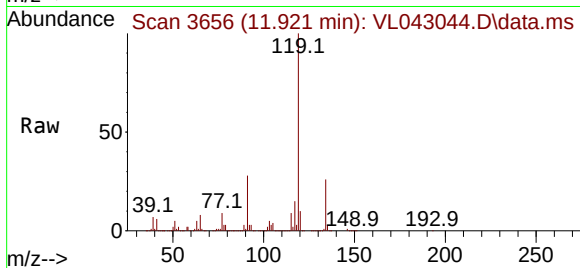
#69
p-Isopropyltoluene
Concen: 11.667 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 1022374
Ion Ratio Lower Upper
119 100
134 25.5 20.5 30.7
91 28.1 22.6 33.8

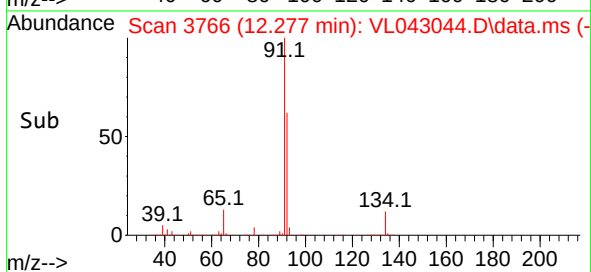
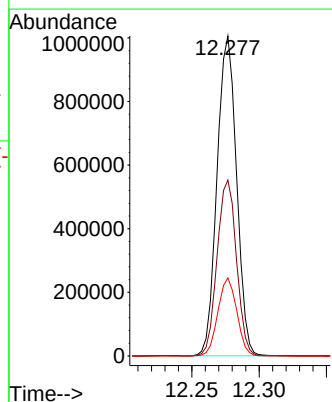
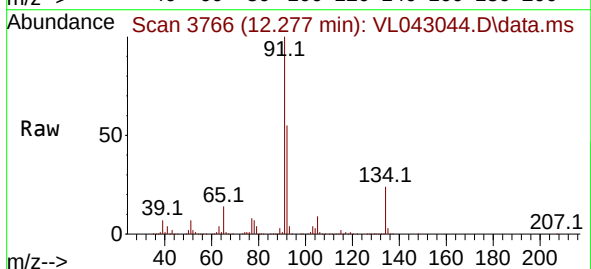
Manual Integrations
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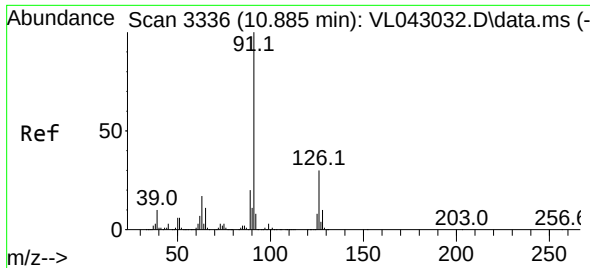
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
n-Butylbenzene
Concen: 12.010 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion: 91 Resp: 1013351
Ion Ratio Lower Upper
91 100
92 54.7 43.9 65.9
134 23.6 18.9 28.3





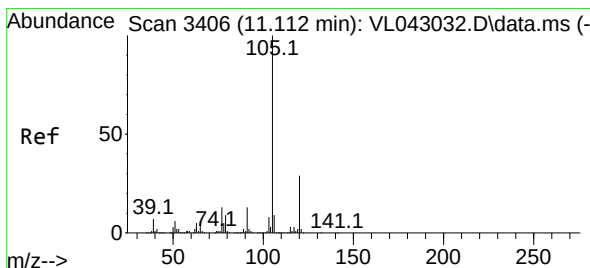
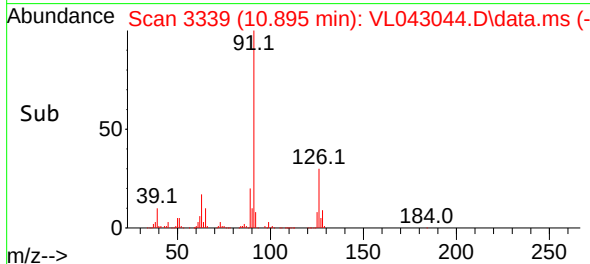
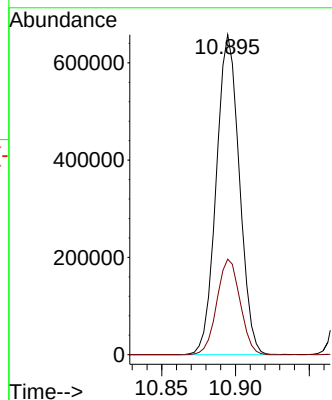
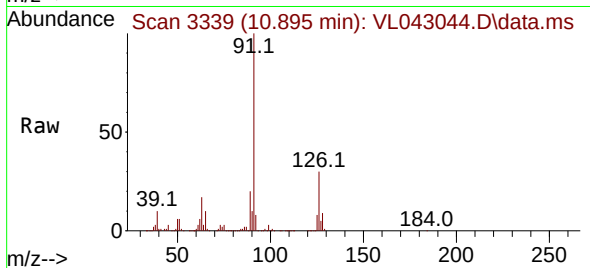
#71
2-Chlorotoluene
Concen: 11.405 ppbv
RT: 10.895 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 71594
Ion Ratio Lower Upper
91 100
126 30.0 12.2 48.6

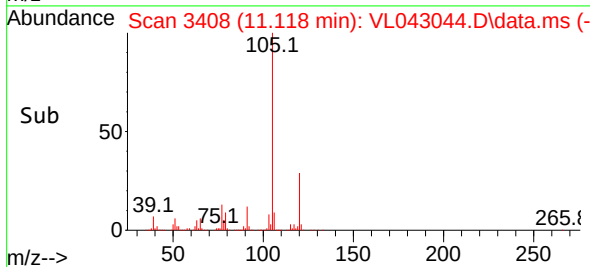
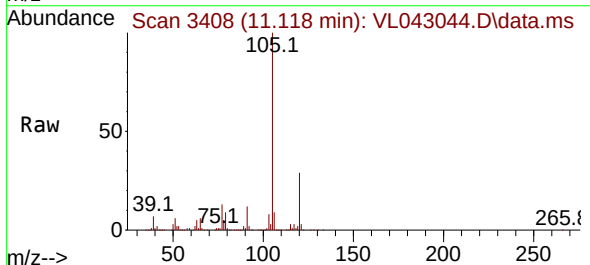
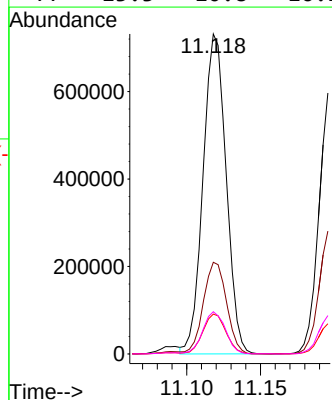
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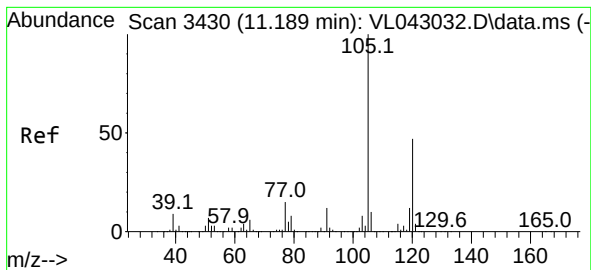
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 11.852 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Tgt Ion:105 Resp: 797033
Ion Ratio Lower Upper
105 100
120 29.4 23.5 35.3
91 12.8 10.4 15.6
77 13.3 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 11.461 ppbv

RT: 11.199 min Scan# 3430

Delta R.T. 0.010 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 666778

Ion Ratio Lower Upper

105 100

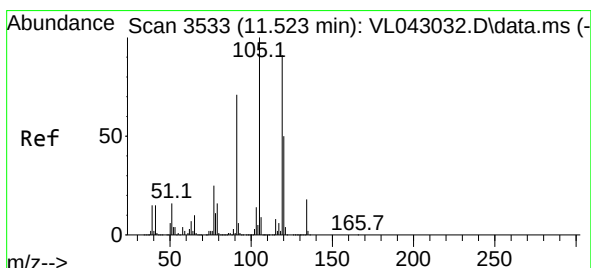
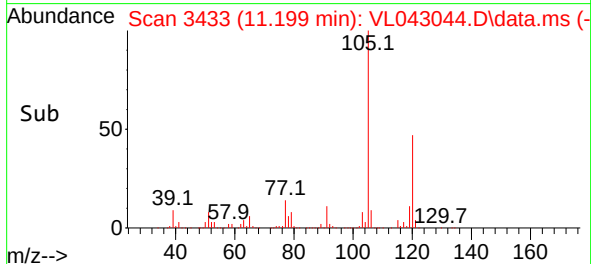
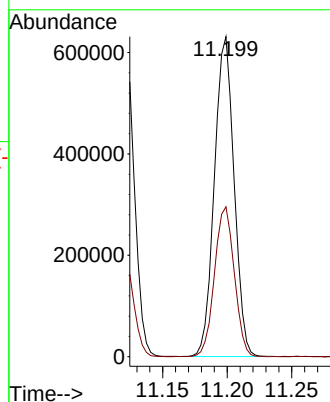
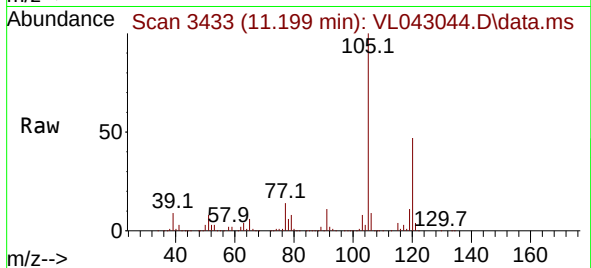
120 46.9 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.441 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.006 min

Lab File: VL043044.D

Acq: 06 Oct 2025 08:38

Tgt Ion:105 Resp: 751232

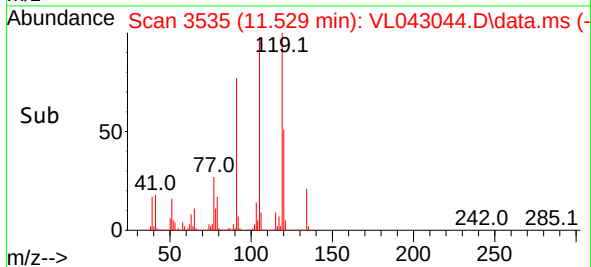
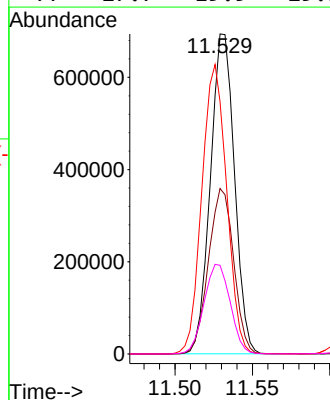
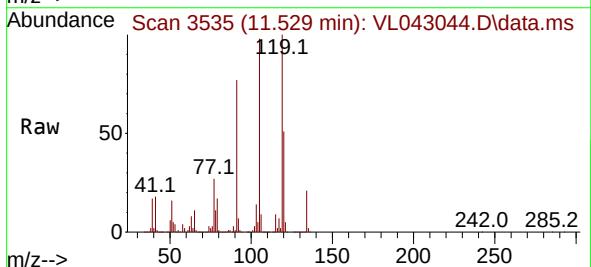
Ion Ratio Lower Upper

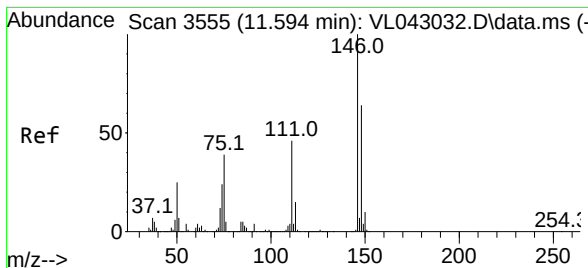
105 100

120 51.7 39.7 59.5

91 78.8 56.5 84.7

77 27.7 19.9 29.9





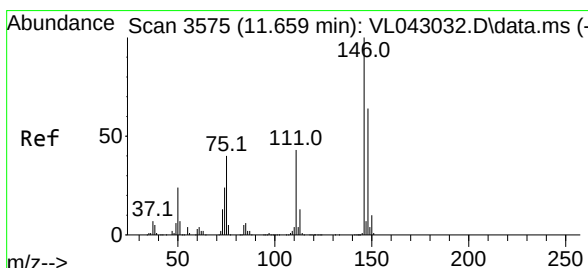
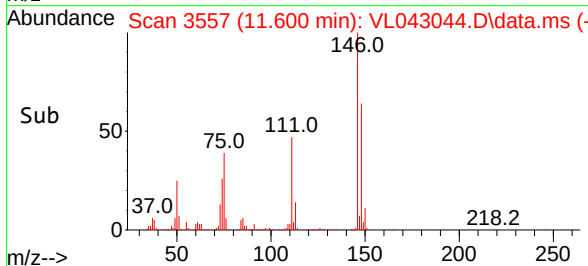
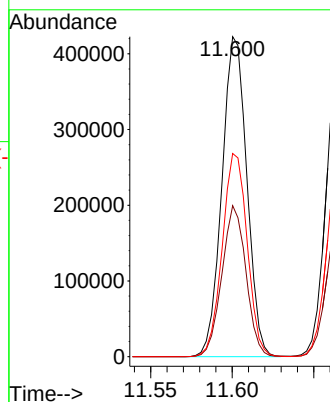
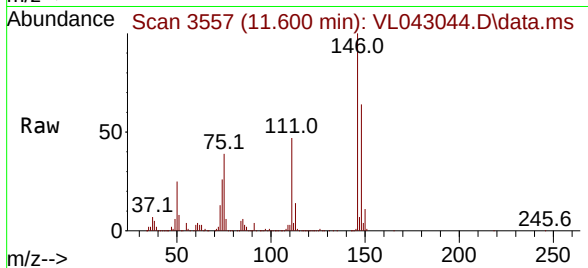
#75
1,3-Dichlorobenzene
Concen: 10.501 ppbv
RT: 11.600 min Scan# 3555
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 448438
Ion Ratio Lower Upper
146 100
111 45.6 22.6 67.7
148 63.6 31.9 95.7

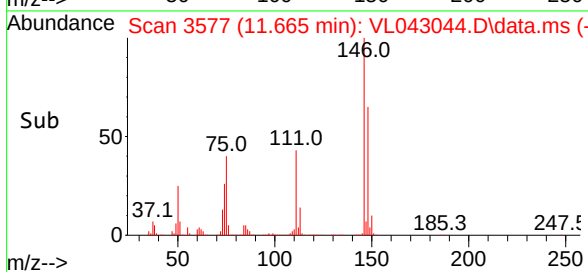
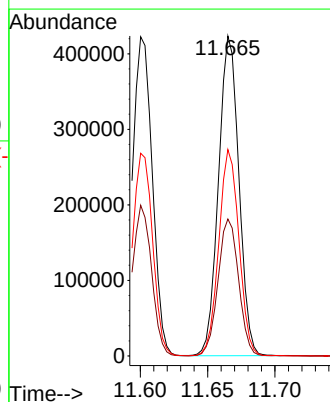
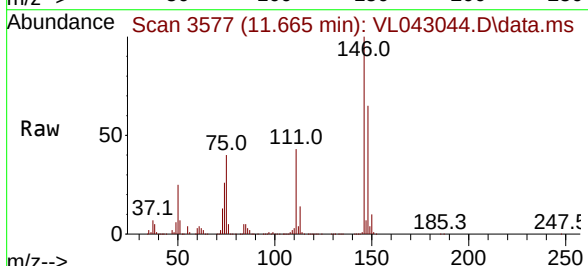
Manual Integrations
APPROVED

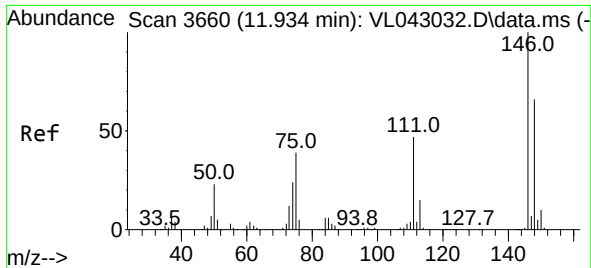
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,4-Dichlorobenzene
Concen: 10.944 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

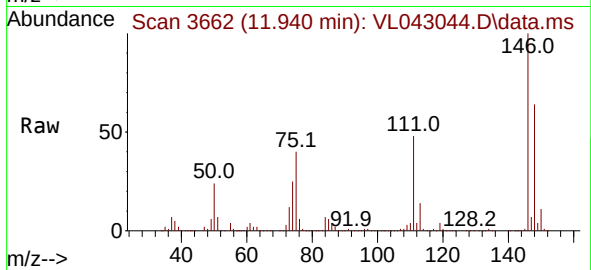
Tgt Ion:146 Resp: 445649
Ion Ratio Lower Upper
146 100
111 43.4 21.7 65.1
148 63.9 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 10.112 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

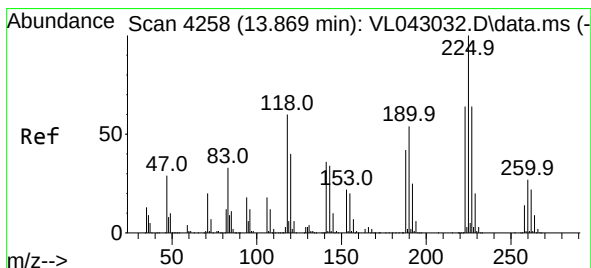
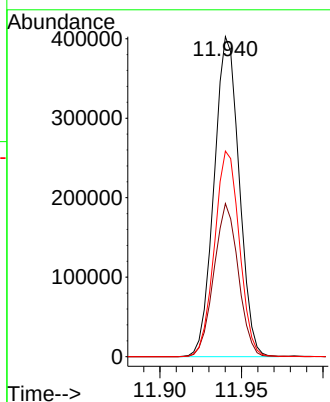
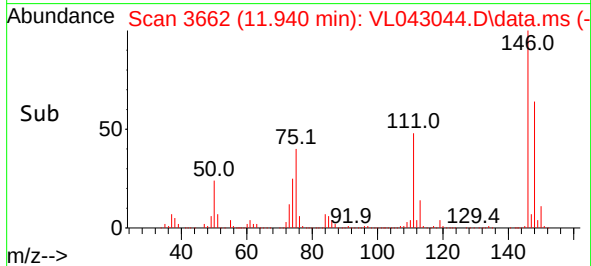
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



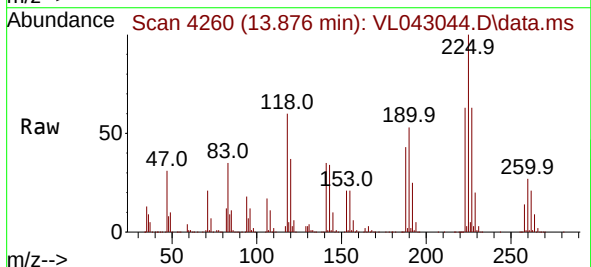
Tgt Ion:146 Resp: 43013
Ion Ratio Lower Upper
146 100
111 46.6 23.2 69.5
148 64.0 31.9 95.7

Manual Integrations
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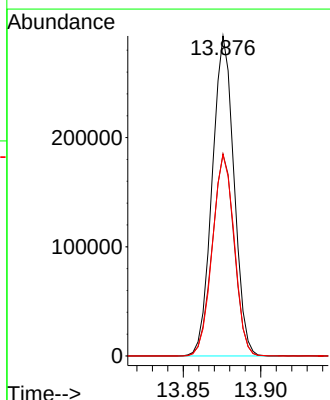
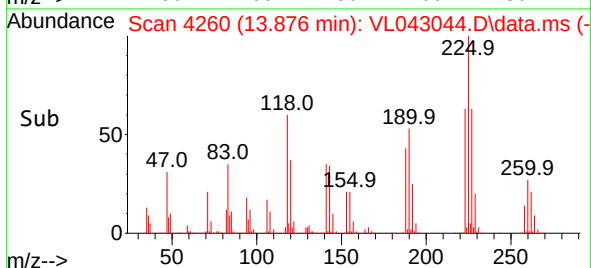
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

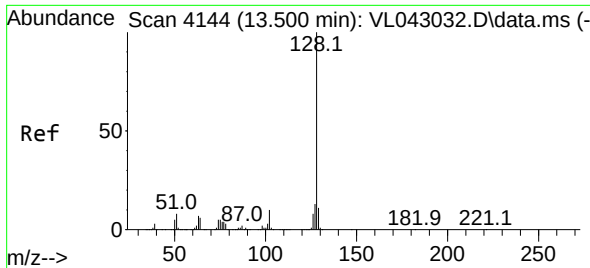


#78
Hexachloro-1,3-Butadiene
Concen: 9.640 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.006 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



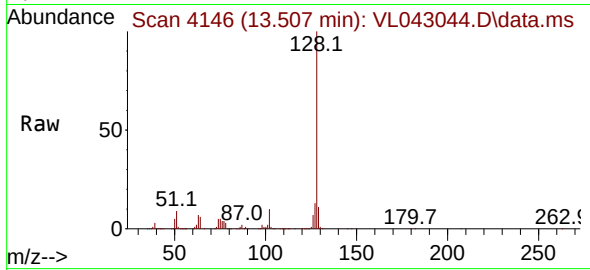
Tgt Ion:225 Resp: 285716
Ion Ratio Lower Upper
225 100
223 63.4 50.9 76.3
227 63.2 50.9 76.3





#79
Naphthalene
Concen: 10.118 ppbv
RT: 13.507 min Scan# 4144
Delta R.T. 0.007 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38

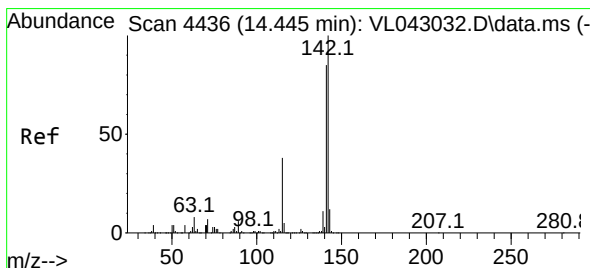
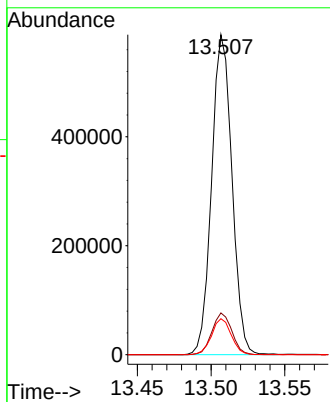
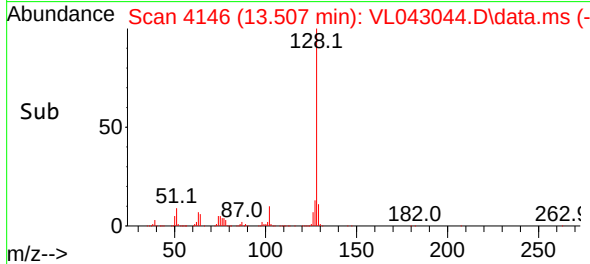
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



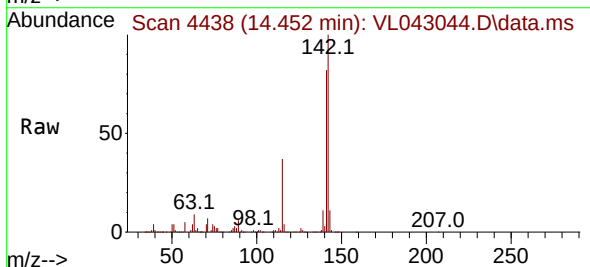
Tgt Ion:128 Resp: 563992
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.2 8.8 13.2

Manual Integrations
APPROVED

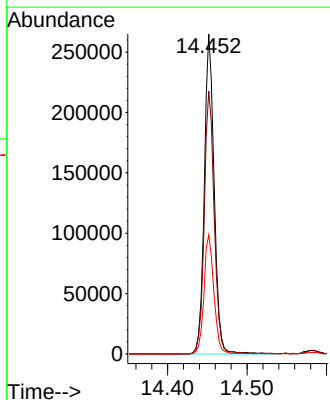
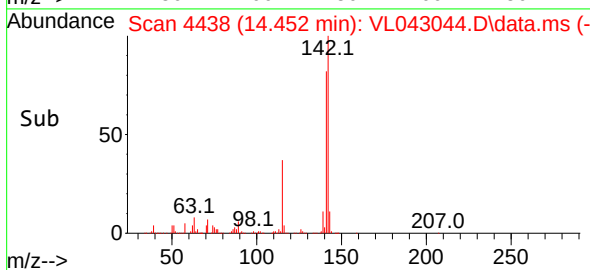
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

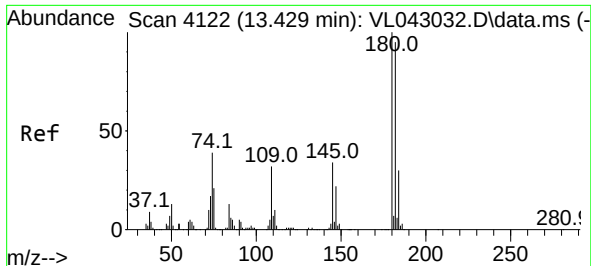


#80
Naphthalene,2-methyl-
Concen: 8.885 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.007 min
Lab File: VL043044.D
Acq: 06 Oct 2025 08:38



Tgt Ion:142 Resp: 228905
Ion Ratio Lower Upper
142 100
141 84.0 66.6 100.0
115 37.9 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 12.033 ppbv

RT: 13.435 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043044.D

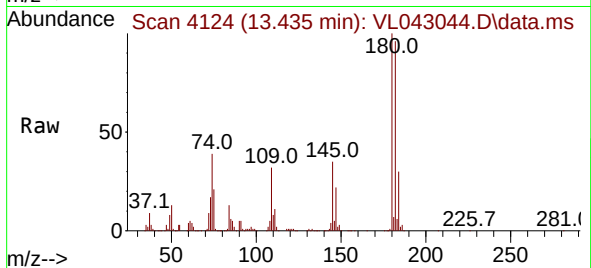
Acq: 06 Oct 2025 08:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180	Resp:	30450
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.9 115.3
184	29.8	23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025

