

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043081.D
 Acq On : 09 Oct 2025 10:54
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 22:12:32 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	2.777	49	181390	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	514089	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	451201	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 369478 11.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	293580	9.603	ppbv	99
3) Chlorodifluoromethane	1.473	51	270688	9.153	ppbv	99
4) Chloromethane	1.528	50	107728	9.647	ppbv	100
5) Vinyl Chloride	1.577	62	98068	9.254	ppbv	97
6) Bromomethane	1.664	94	45154	9.482	ppbv	93
7) Chloroethane	1.700	64	40121	9.073	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	241323	9.633	ppbv	99
9) Propene	1.479	41	96090	8.058	ppbv	97
10) Heptane	4.959	43	293330	10.005	ppbv	100
11) Trichlorofluoromethane	1.871	101	288827	9.193	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	230473	9.314	ppbv	98
13) Ethanol	1.716	45	5225	10.822	ppbv	93
14) Bromoethene	1.777	108	84616	9.539	ppbv	98
15) Acetone	1.829	43	207129	8.155	ppbv	99
16) 1,3-Butadiene	1.606	39	96473	9.213	ppbv	99
17) tert-Butyl alcohol	2.033	59	243309	9.057	ppbv	100
18) 1,1-Dichloroethene	2.026	96	100023	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	110569	9.086	ppbv	100
20) Methylene Chloride	2.056	84	89568	8.080	ppbv	98
21) Allyl Chloride	2.088	41	146785	9.021	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	112670	9.149	ppbv	98
23) Vinyl Acetate	2.454	43	39200	7.270	ppbv	98
24) 1,1-Dichloroethane	2.402	63	210505	9.017	ppbv	99
25) Ethyl Acetate	2.823	43	600739	9.429	ppbv	100
26) Hexane	2.816	57	234699	9.576	ppbv	98
27) Carbon Disulfide	2.143	76	273526	9.453	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	134182	8.748	ppbv	99
29) Chloroform	2.836	83	388742	9.303	ppbv	99
30) Cyclohexane	3.842	84	194228	9.644	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	223556	8.873	ppbv	97
32) 1,1,1-Trichloroethane	3.353	97	375702	9.251	ppbv	99
34) 2-Butanone	2.548	43	320496	9.188	ppbv	98
35) Carbon Tetrachloride	3.748	117	407086	9.625	ppbv	96
36) Benzene	3.642	78	461671	9.400	ppbv	98
37) 1,2-Dichloroethane	3.205	62	284516	9.781	ppbv	98
38) Trichloroethene	4.528	130	194878	9.525	ppbv	97
39) 1,2-Dichloropropane	4.295	63	167974	9.226	ppbv	95
40) 1,4-Dioxane	4.558	88	77501	9.925	ppbv #	96
41) Tetrahydrofuran	3.040	42	178901	9.923	ppbv	99
42) Bromodichloromethane	4.470	83	404287	9.842	ppbv	97
43) Methyl Methacrylate	4.855	69	163729	10.042	ppbv	99
44) 2,2,4-Trimethylpentane	4.619	57	800720	10.160	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	139636	9.358	ppbv	99

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Manual Integrations
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 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:12:32 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

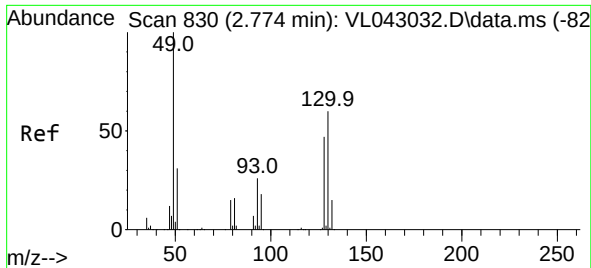
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	201001	9.561	ppbv	99
47) 1,1,2-Trichloroethane	6.555	97	190408	9.403	ppbv	97
48) Dibromochloromethane	7.367	129	329184	9.960	ppbv	99
49) Bromoform	9.467	173	286743	10.388	ppbv	99
50) 4-Methyl-2-Pentanone	5.719	43	443830	10.434	ppbv	98
51) 2-Hexanone	7.412	43	339405	11.210	ppbv #	97
52) Tetrachloroethene	8.205	164	164807	9.062	ppbv	98
53) Toluene	6.911	91	506100	10.206	ppbv	100
54) 1,2-Dibromoethane	7.632	107	238079	9.919	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.908	131	264615	9.621	ppbv	100
57) Chlorobenzene	8.904	112	436424	9.150	ppbv	98
58) Ethyl Benzene	9.338	91	728666	10.424	ppbv	100
59) m/p-Xylene	9.535	91	1254878m	21.284	ppbv	
60) o-Xylene	9.950	91	627895	10.691	ppbv	100
61) Styrene	9.856	104	260881	10.603	ppbv	99
62) Isopropylbenzene	10.526	105	942102	10.450	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	396481	9.410	ppbv	99
64) n-propylbenzene	10.976	120	248676	10.783	ppbv	98
65) tert-Butylbenzene	11.520	119	862289	10.747	ppbv	100
66) Benzyl Chloride	11.604	91	33788	11.018	ppbv	98
67) sec-Butylbenzene	11.756	105	1196731	10.688	ppbv	100
69) p-Isopropyltoluene	11.914	119	1005278	11.037	ppbv	99
70) n-Butylbenzene	12.270	91	986134	11.244	ppbv	100
71) 2-Chlorotoluene	10.888	91	688227	10.547	ppbv	99
72) 4-Ethyltoluene	11.112	105	768344	10.992	ppbv	100
73) 1,3,5-Trimethylbenzene	11.193	105	653539	10.807	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	738742	10.824	ppbv	93
75) 1,3-Dichlorobenzene	11.594	146	443496	9.991	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	434532	10.266	ppbv	100
77) 1,2-Dichlorobenzene	11.934	146	425426	9.622	ppbv	99
78) Hexachloro-1,3-Butadiene	13.869	225	289580	9.400	ppbv	100
79) Naphthalene	13.500	128	547120	9.489	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	207315	7.827	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	299266	11.377	ppbv	99

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

Manual Integrations APPROVED

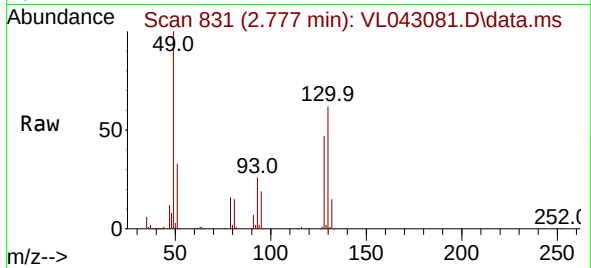
Quant Time: Oct 09 22:12:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

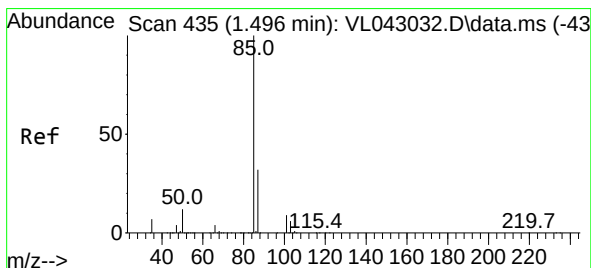
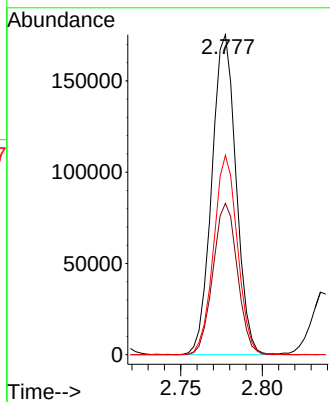
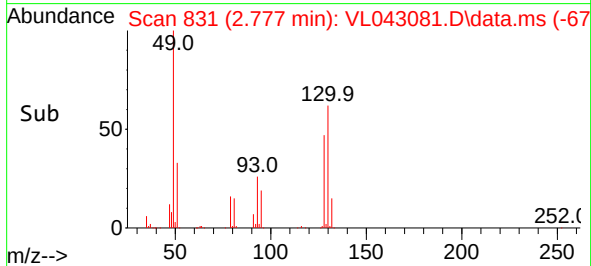
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



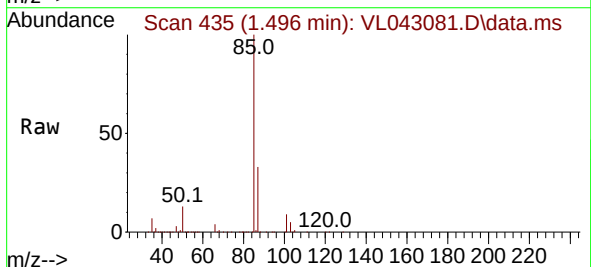
Tgt Ion: 49 Resp: 181390
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.2
130 61.0 31.4 94.3

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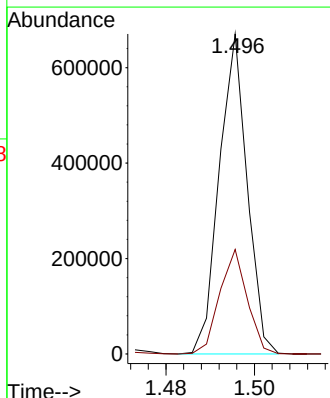
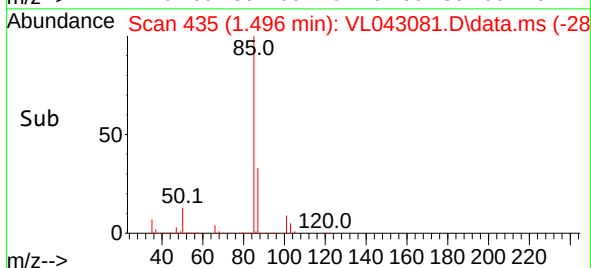
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

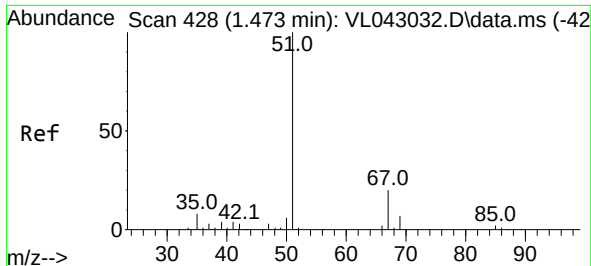


#2
Dichlorodifluoromethane
Concen: 9.603 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion: 85 Resp: 293580
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6





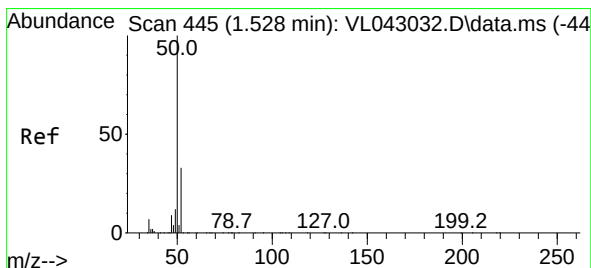
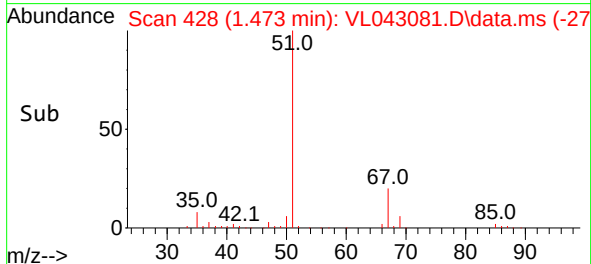
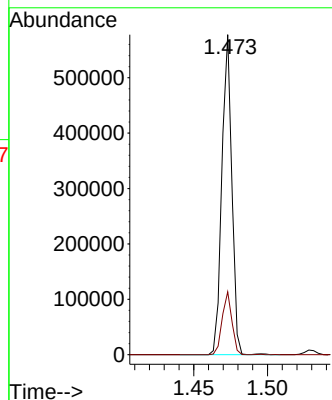
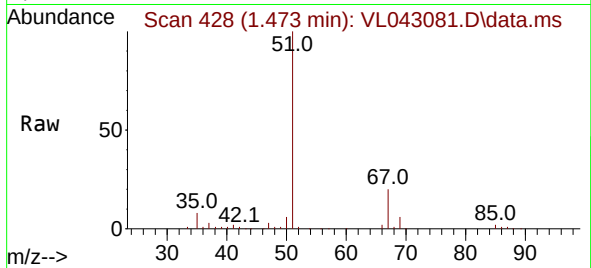
#3
Chlorodifluoromethane
Concen: 9.153 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 51 Resp: 270688
Ion Ratio Lower Upper
51 100
67 19.2 15.1 22.7

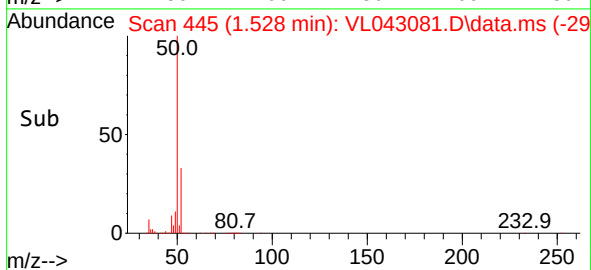
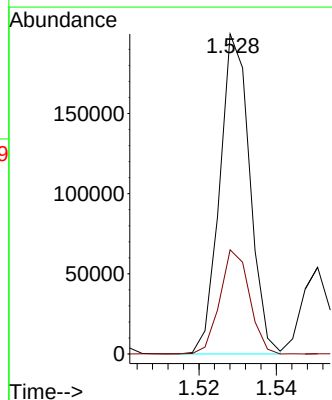
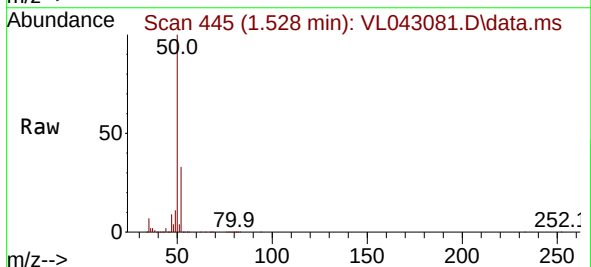
Manual Integrations
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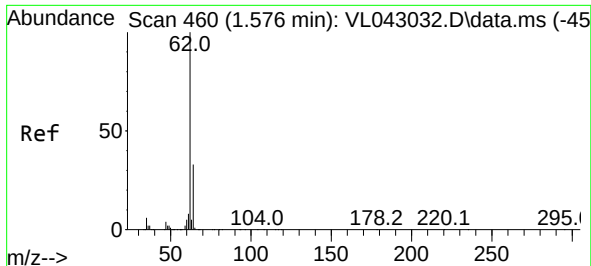
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 9.647 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

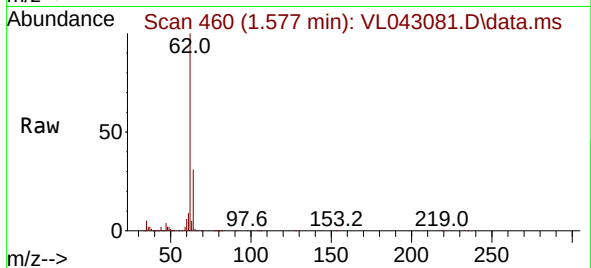
Tgt Ion: 50 Resp: 107728
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.2





#5
 Vinyl Chloride
 Concen: 9.254 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

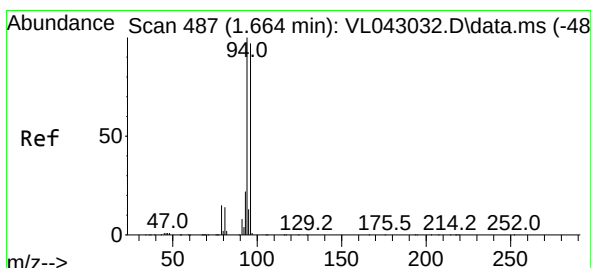
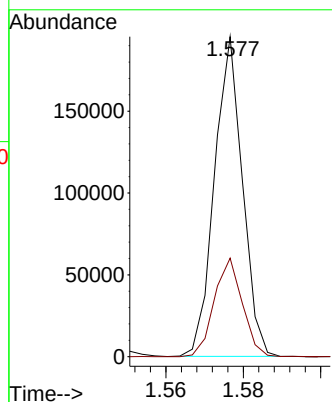
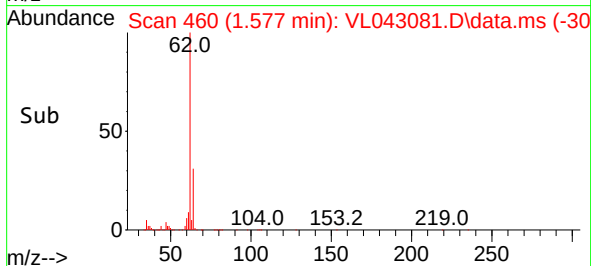
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



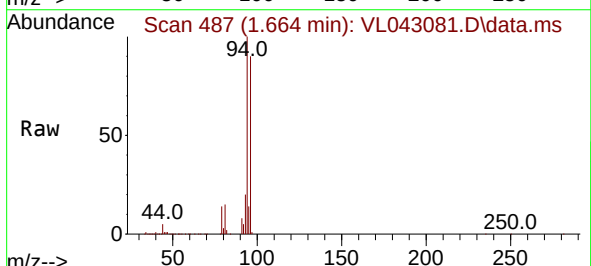
Tgt Ion: 62 Resp: 98068
 Ion Ratio Lower Upper
 62 100
 64 30.8 26.2 39.2

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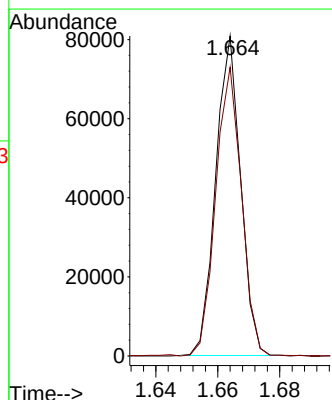
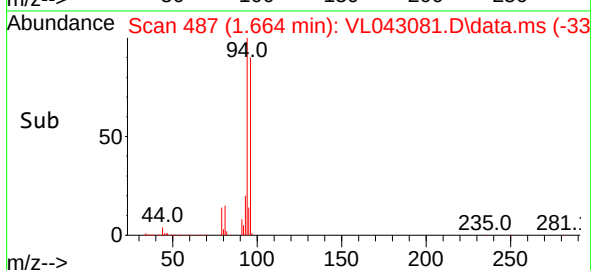
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

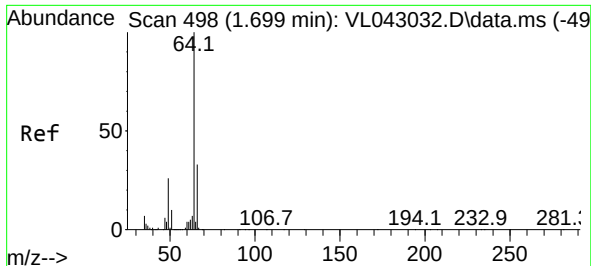


#6
 Bromomethane
 Concen: 9.482 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54



Tgt Ion: 94 Resp: 45154
 Ion Ratio Lower Upper
 94 100
 96 90.4 77.6 116.4





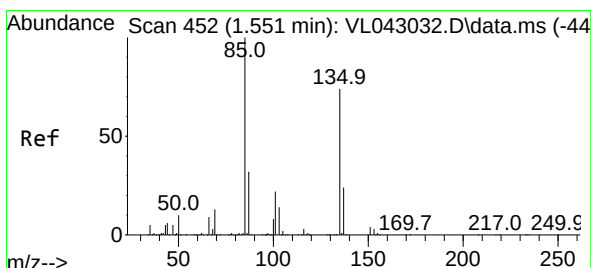
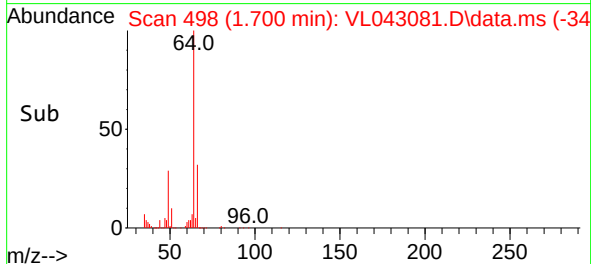
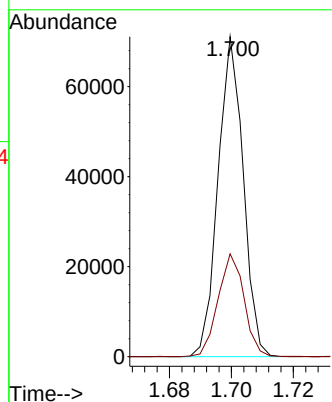
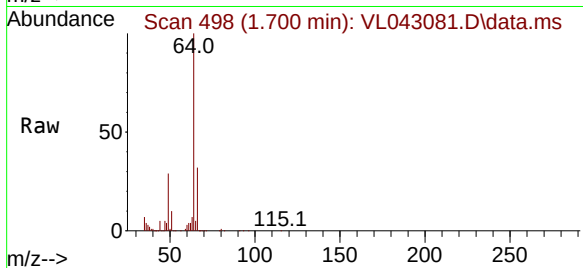
#7
Chloroethane
Concen: 9.073 ppbv
RT: 1.700 min Scan# 498
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 64 Resp: 4012
Ion Ratio Lower Upper
64 100
66 32.2 26.6 39.8

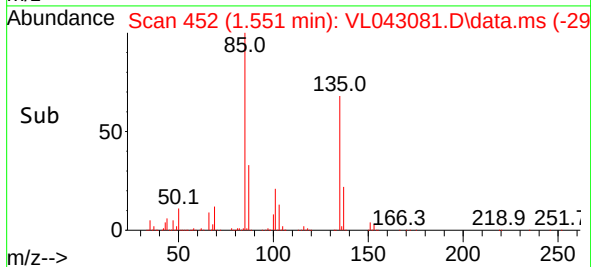
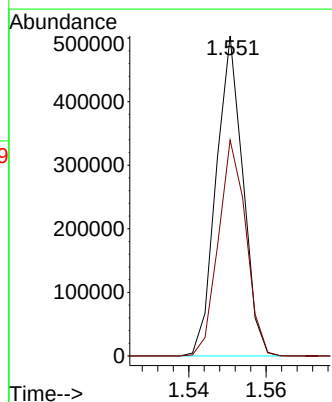
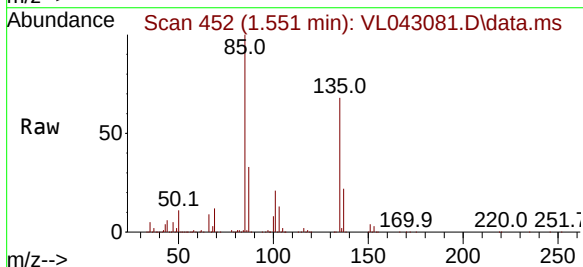
Manual Integrations
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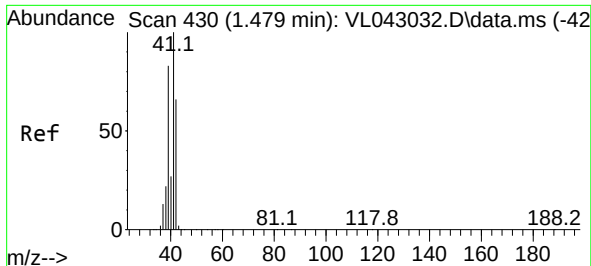
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#8
Dichlorotetrafluoroethane
Concen: 9.633 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

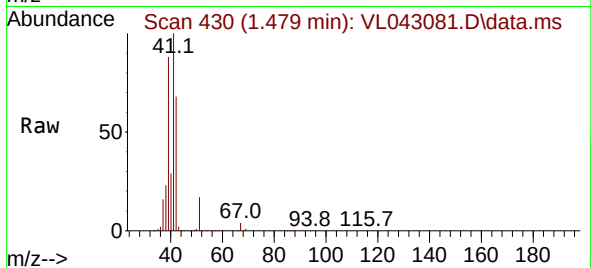
Tgt Ion: 85 Resp: 241323
Ion Ratio Lower Upper
85 100
135 69.6 56.3 84.5





#9
 Propene
 Concen: 8.058 ppbv
 RT: 1.479 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

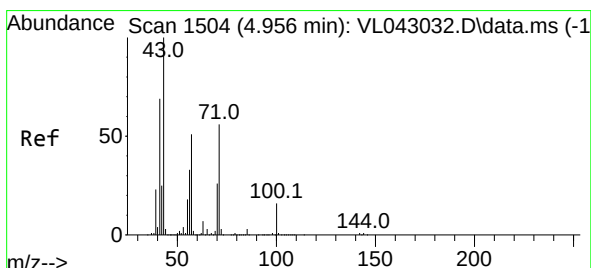
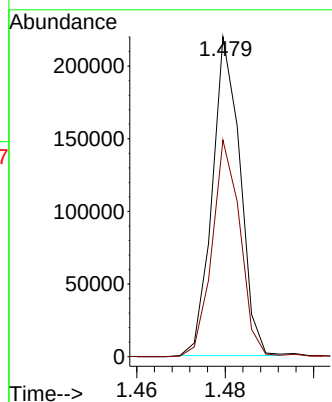
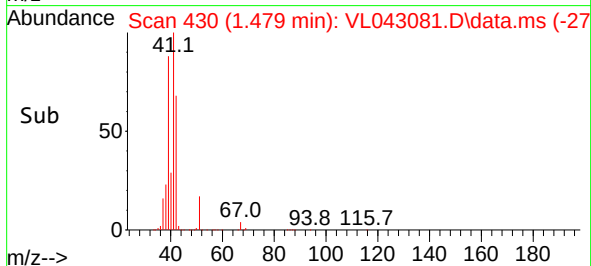
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



Tgt Ion: 41 Resp: 96090
 Ion Ratio Lower Upper
 41 100
 42 69.2 53.3 79.9

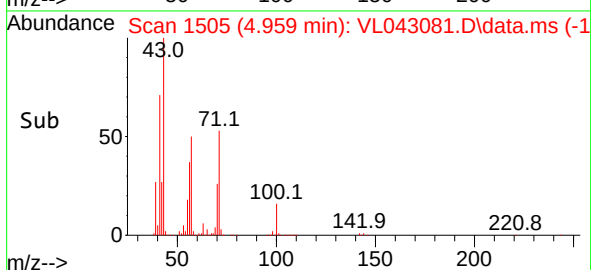
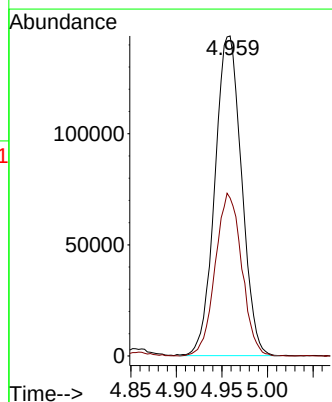
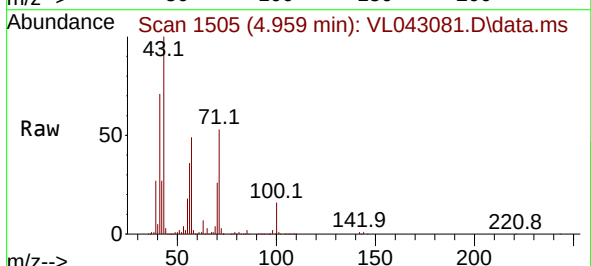
Manual Integrations
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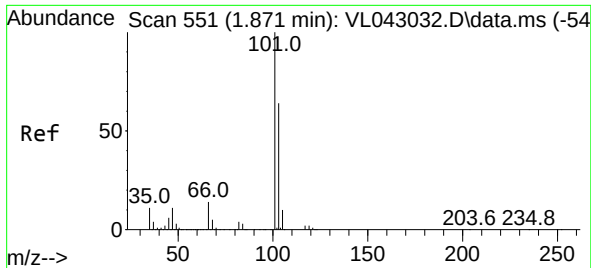
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#10
 Heptane
 Concen: 10.005 ppbv
 RT: 4.959 min Scan# 1505
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

Tgt Ion: 43 Resp: 293330
 Ion Ratio Lower Upper
 43 100
 57 50.5 40.3 60.5





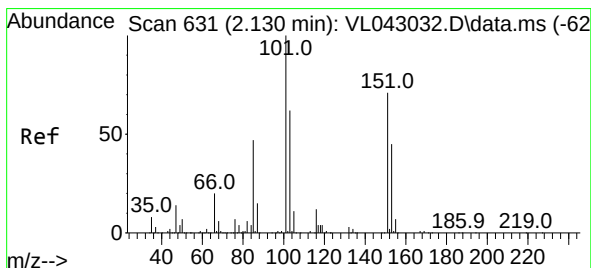
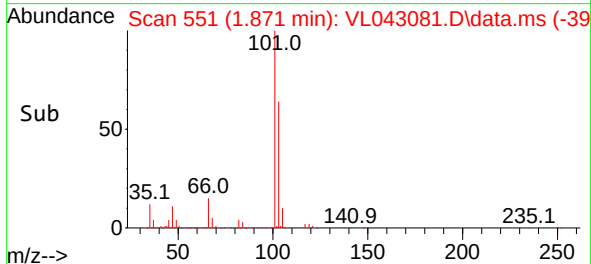
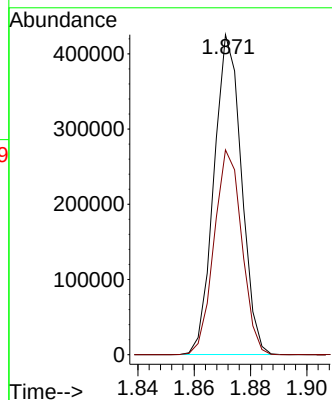
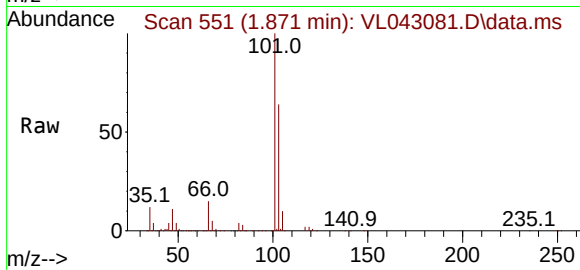
#11
 Trichlorofluoromethane
 Concen: 9.193 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Tgt Ion:101 Resp: 28882
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7

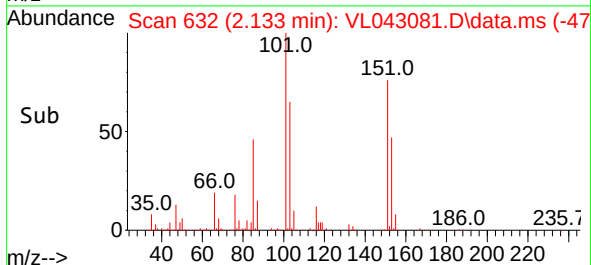
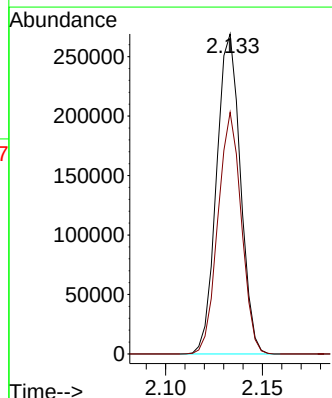
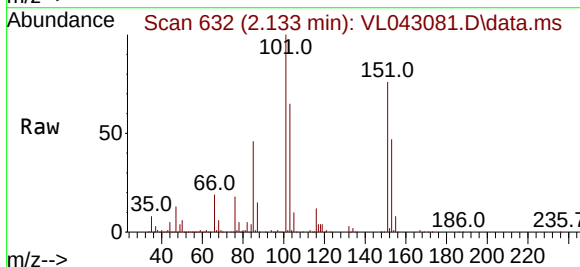
Manual Integrations
 APPROVED

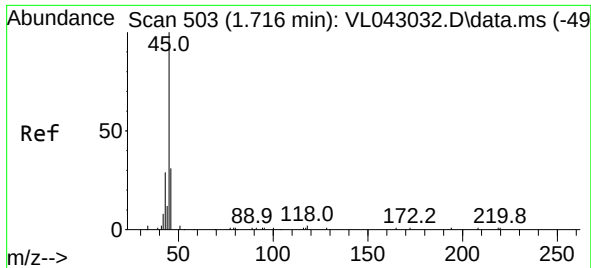
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.314 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

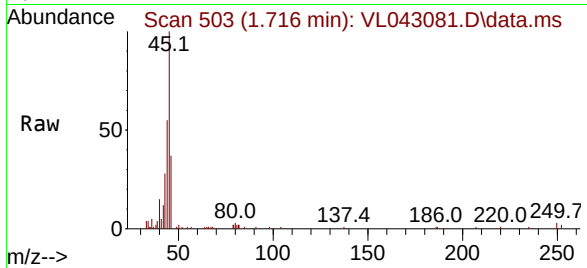
Tgt Ion:101 Resp: 230473
 Ion Ratio Lower Upper
 101 100
 151 74.0 58.1 87.1





#13
Ethanol
Concen: 10.822 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

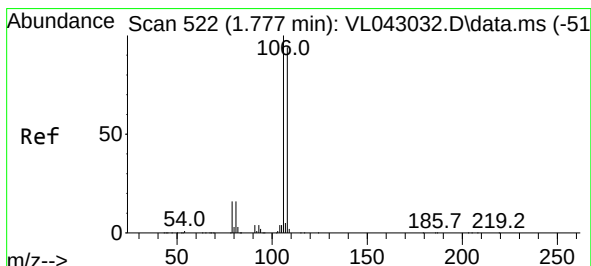
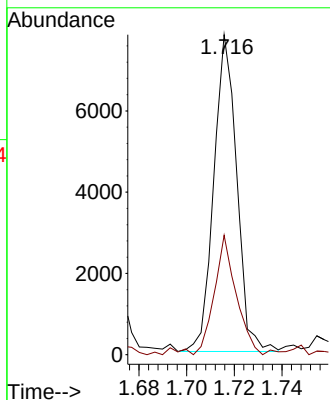
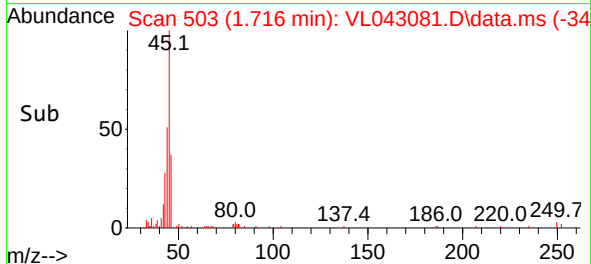
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



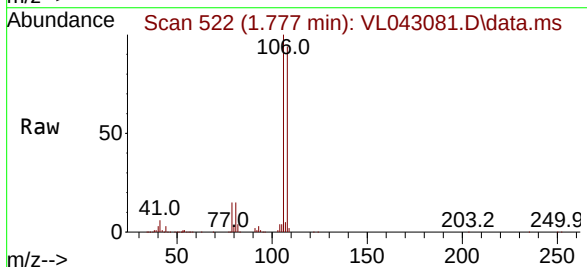
Tgt Ion: 45 Resp: 5229
Ion Ratio Lower Upper
45 100
46 39.8 17.8 71.4

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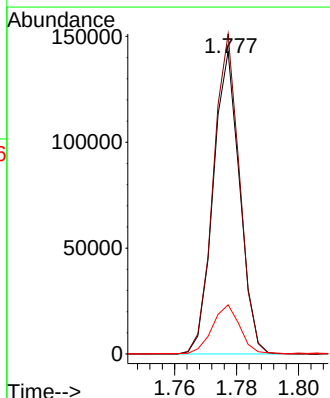
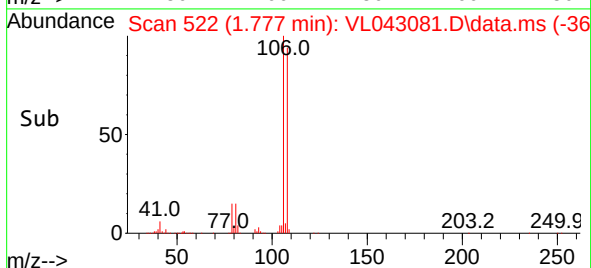
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

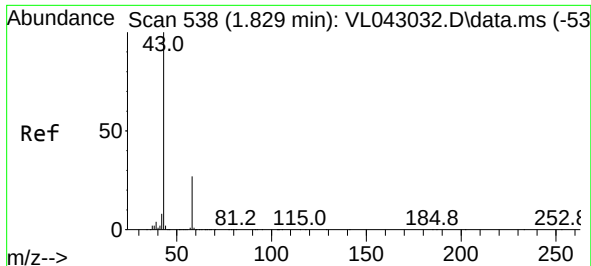


#14
Bromoethene
Concen: 9.539 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



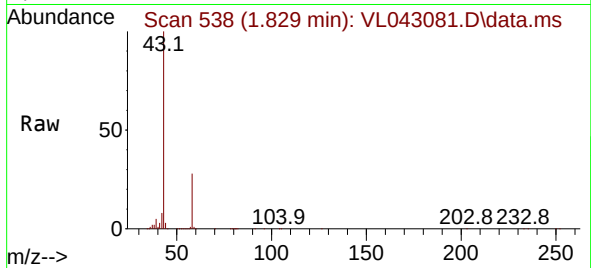
Tgt Ion:108 Resp: 84616
Ion Ratio Lower Upper
108 100
106 104.5 85.2 127.8
79 18.1 14.8 22.2





#15
Acetone
Concen: 8.155 ppbv
RT: 1.829 min Scan# 538
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

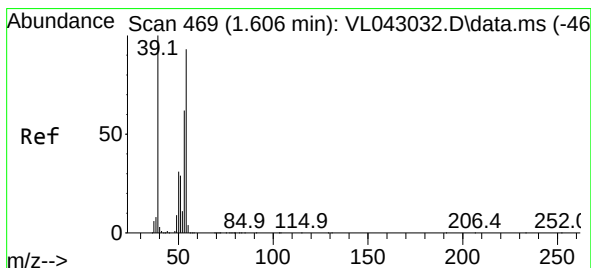
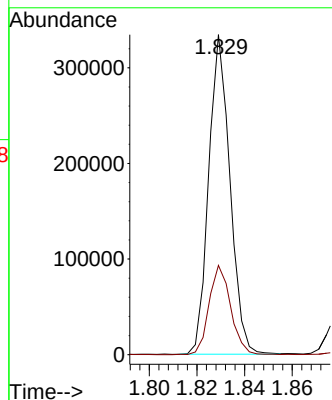
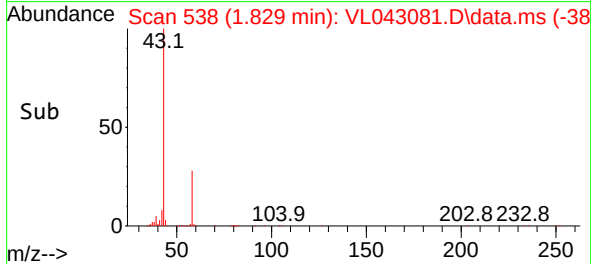
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



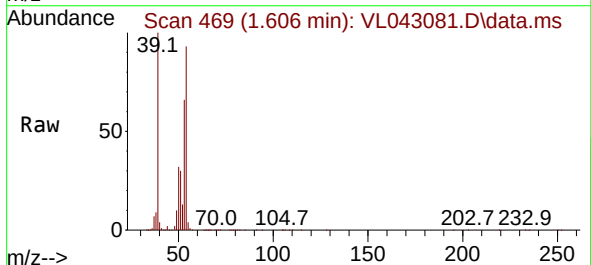
Tgt Ion: 43 Resp: 207129
Ion Ratio Lower Upper
43 100
58 28.4 22.2 33.4

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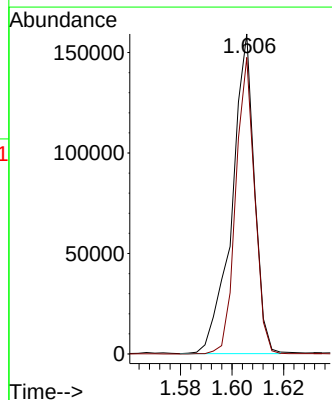
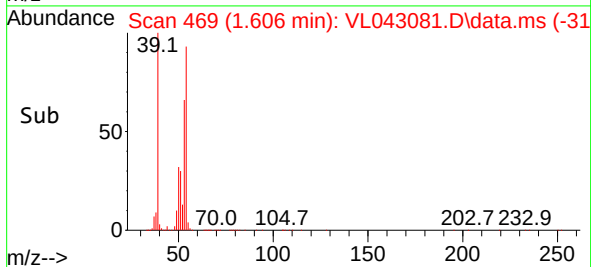
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

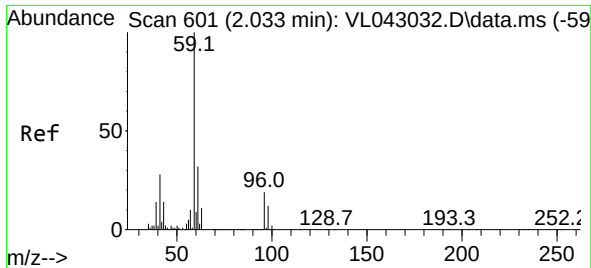


#16
1,3-Butadiene
Concen: 9.213 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



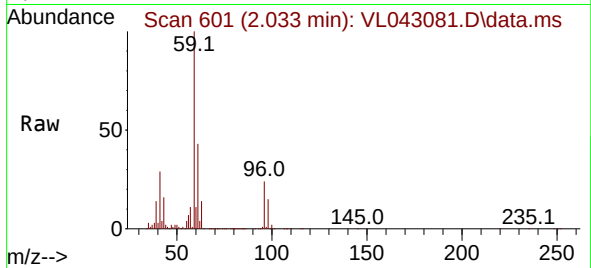
Tgt Ion: 39 Resp: 96473
Ion Ratio Lower Upper
39 100
54 78.0 61.4 92.2





#17
tert-Butyl alcohol
Concen: 9.057 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

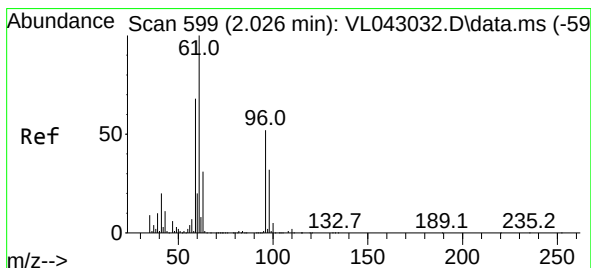
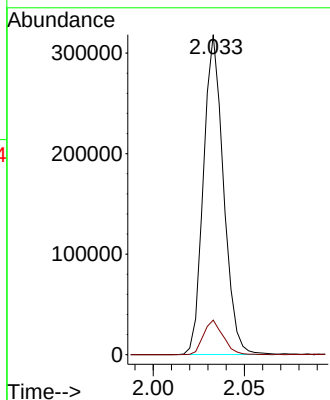
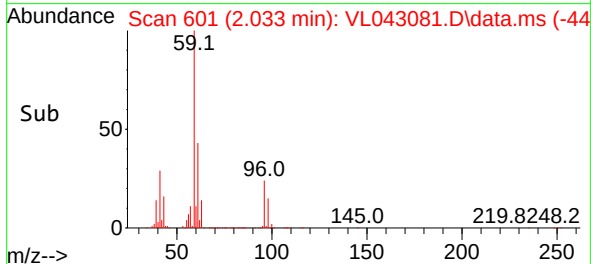
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



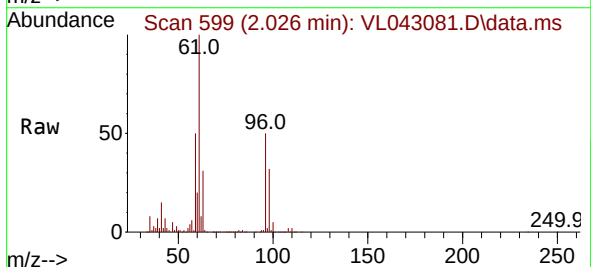
Tgt Ion: 59 Resp: 243309
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

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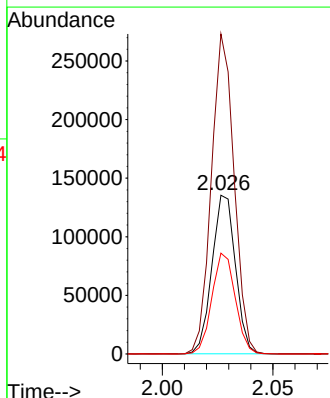
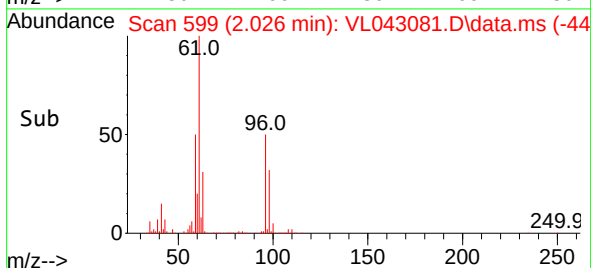
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

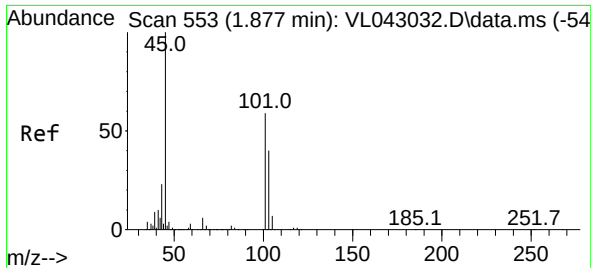


#18
1,1-Dichloroethene
Concen: 9.221 ppbv
RT: 2.026 min Scan# 599
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion: 96 Resp: 100023
Ion Ratio Lower Upper
96 100
61 201.8 153.0 229.6
98 63.6 48.8 73.2





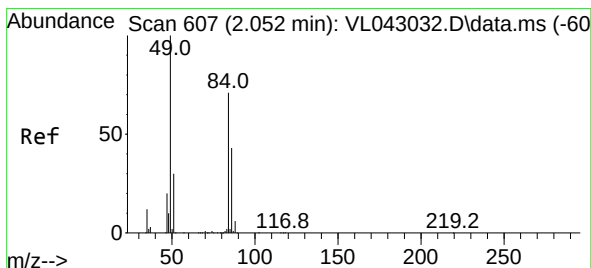
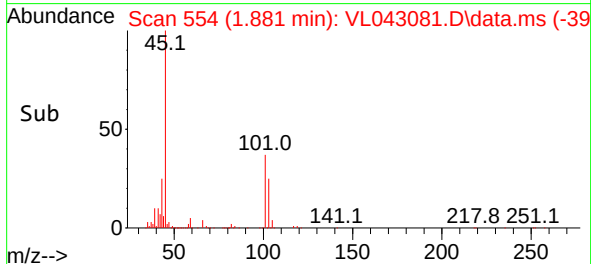
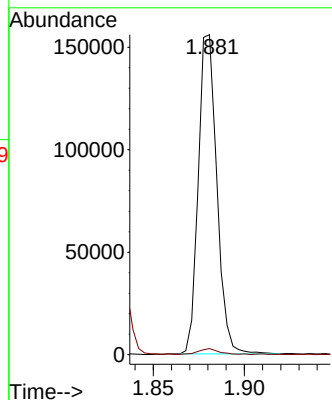
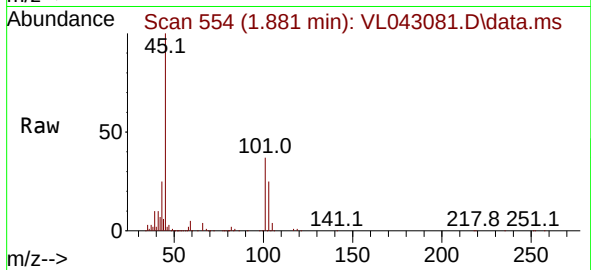
#19
Isopropyl Alcohol
Concen: 9.086 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 45 Resp: 110568
Ion Ratio Lower Upper
45 100
58 53.2 42.3 63.5

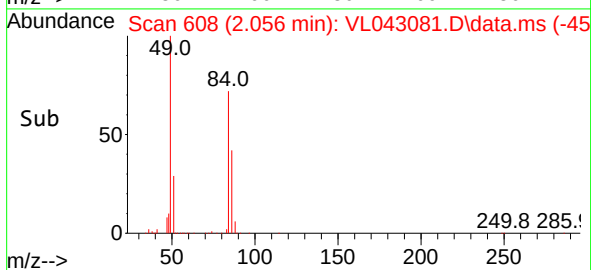
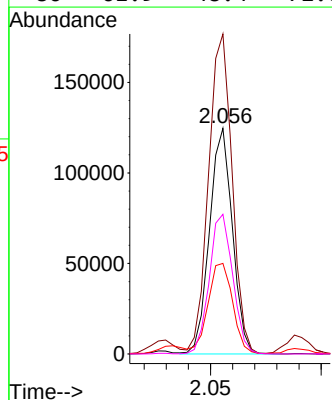
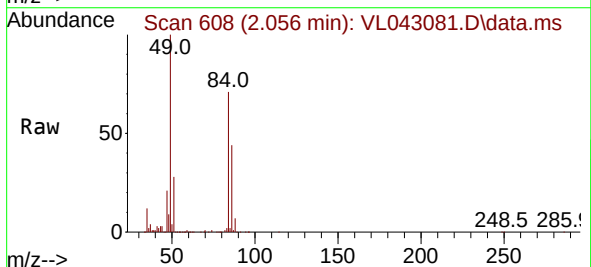
Manual Integrations
APPROVED

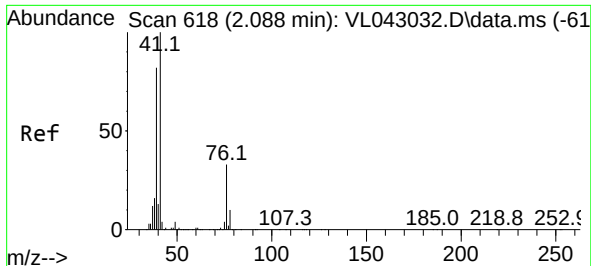
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 8.080 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

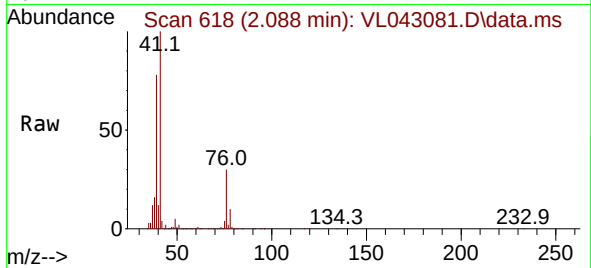
Tgt Ion: 84 Resp: 89568
Ion Ratio Lower Upper
84 100
49 139.8 112.5 168.7
51 39.6 34.2 51.2
86 61.9 48.4 72.6





#21
 Allyl Chloride
 Concen: 9.021 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

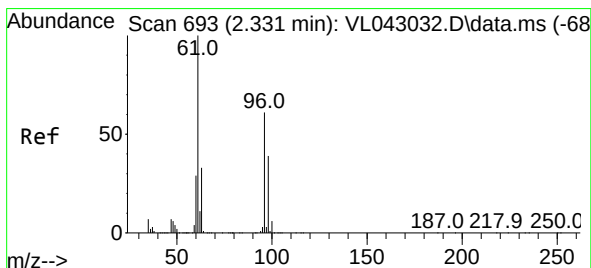
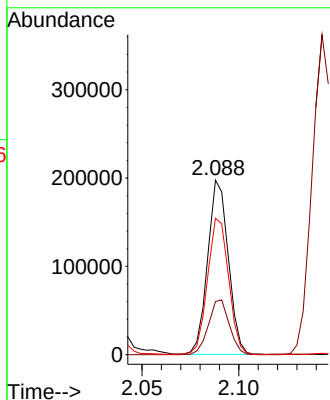
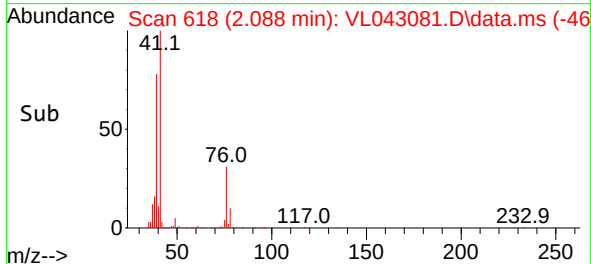
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



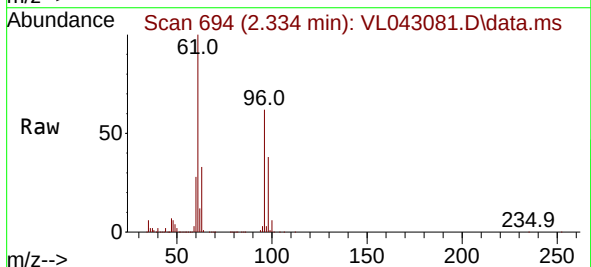
Tgt Ion: 41 Resp: 146785
 Ion Ratio Lower Upper
 41 100
 76 31.8 25.9 38.9
 39 79.4 63.0 94.4

Manual Integrations
 APPROVED

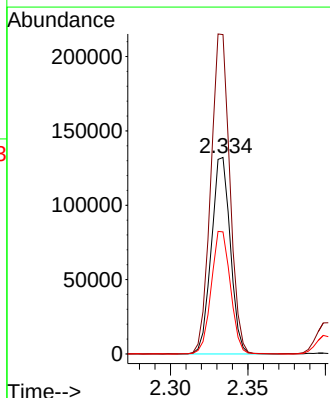
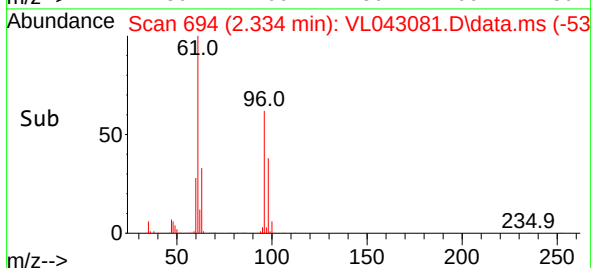
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

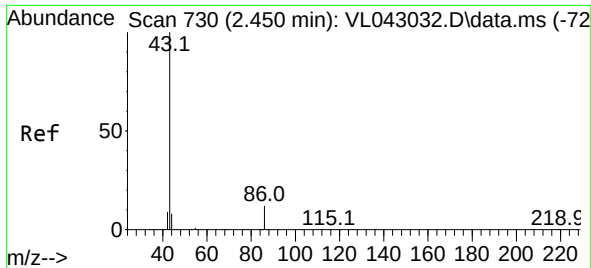


#22
 trans-1,2-Dichloroethene
 Concen: 9.149 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54



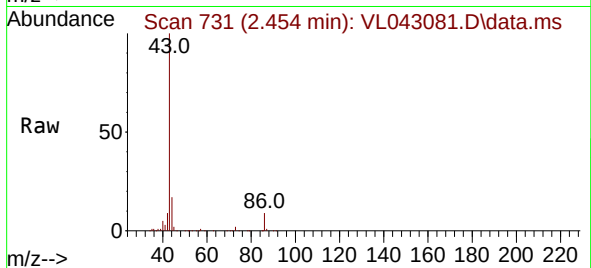
Tgt Ion: 96 Resp: 112670
 Ion Ratio Lower Upper
 96 100
 61 162.5 131.9 197.9
 98 62.1 52.1 78.1





#23
 Vinyl Acetate
 Concen: 7.270 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

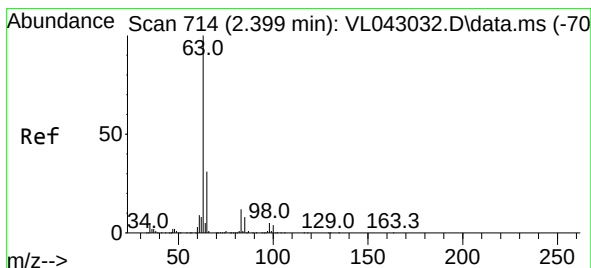
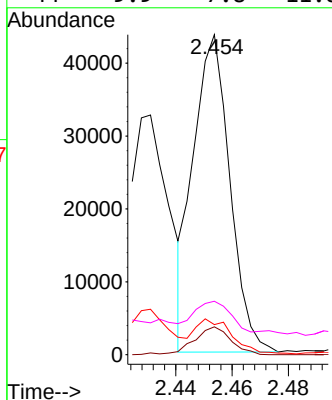
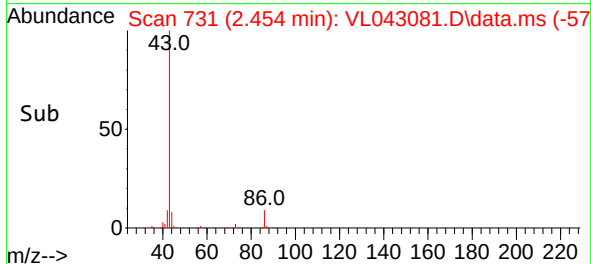
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



Tgt Ion: 43 Resp: 39200
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.5 11.3
 42 9.0 8.4 12.6
 44 9.9 7.8 11.8

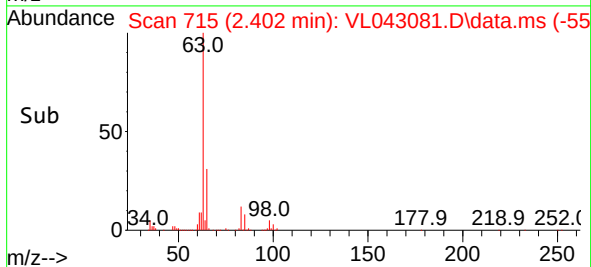
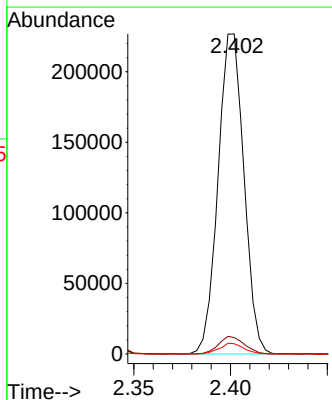
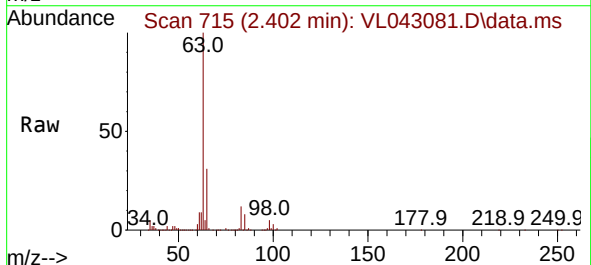
Manual Integrations
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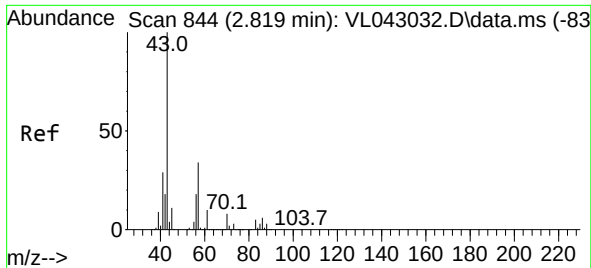
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 9.017 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

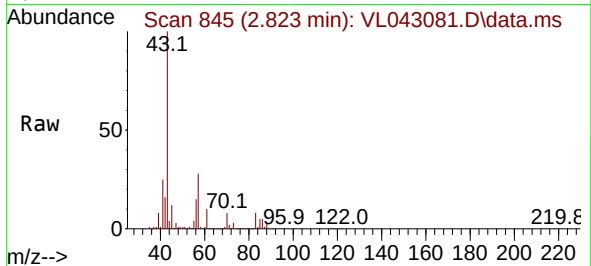
Tgt Ion: 63 Resp: 210505
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.5 7.4
 100 3.2 1.8 5.4





#25
Ethyl Acetate
Concen: 9.429 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

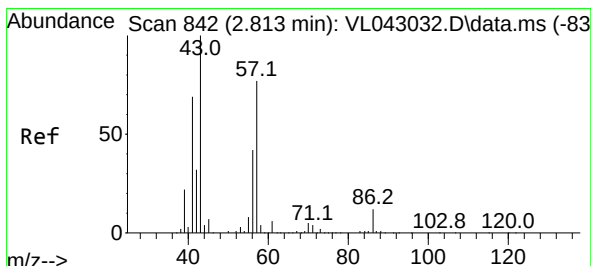
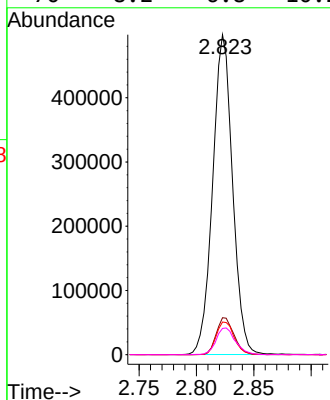
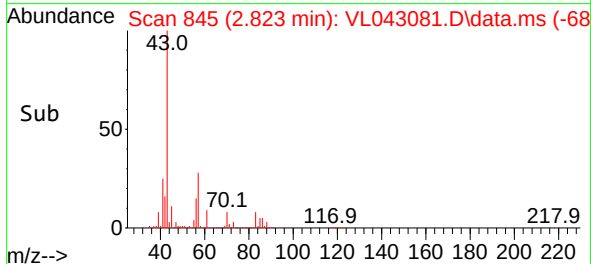
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion: 43 Resp: 600739
Ion Ratio Lower Upper
43 100
45 10.4 8.3 12.5
61 9.4 7.5 11.3
70 8.2 6.8 10.2

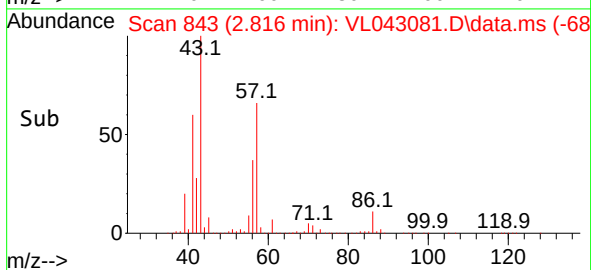
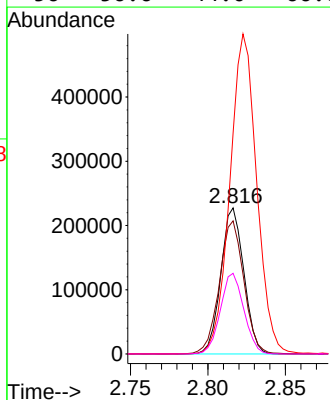
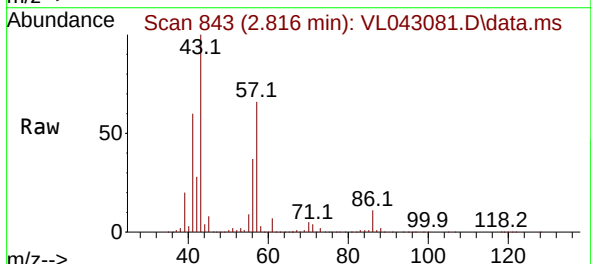
Manual Integrations
APPROVED

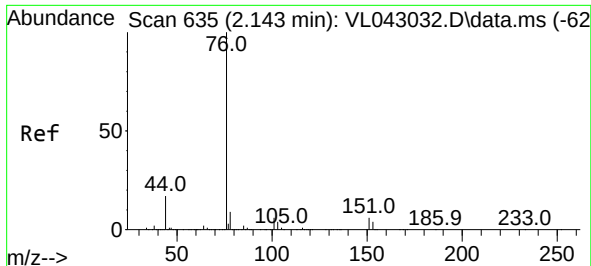
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 9.576 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

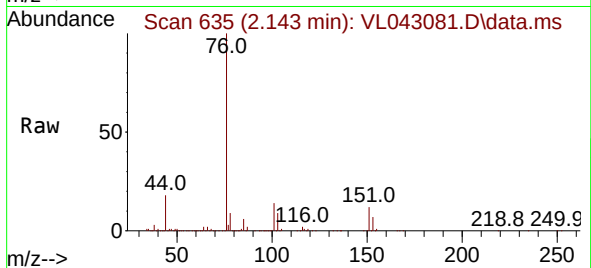
Tgt Ion: 57 Resp: 234699
Ion Ratio Lower Upper
57 100
41 97.4 76.1 114.1
43 256.2 201.4 302.0
56 56.6 44.0 66.0





#27
Carbon Disulfide
Concen: 9.453 ppbv
RT: 2.143 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

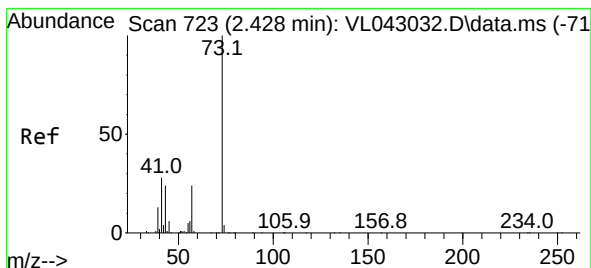
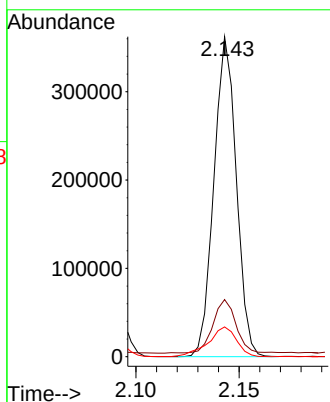
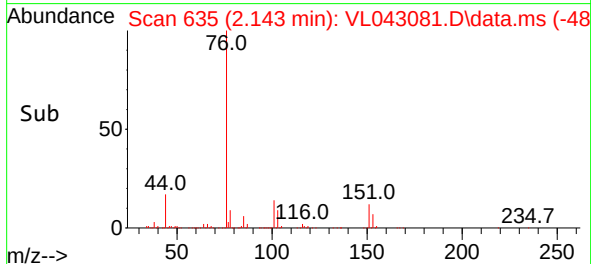
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion: 76 Resp: 273520
Ion Ratio Lower Upper
76 100
44 17.5 14.0 21.0
78 11.8 9.4 14.0

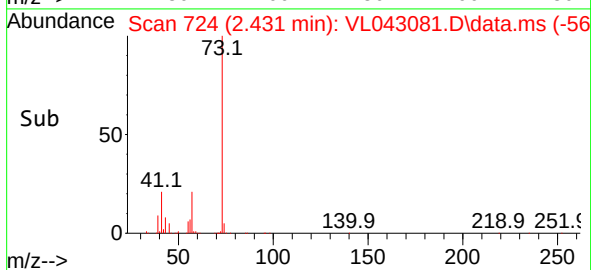
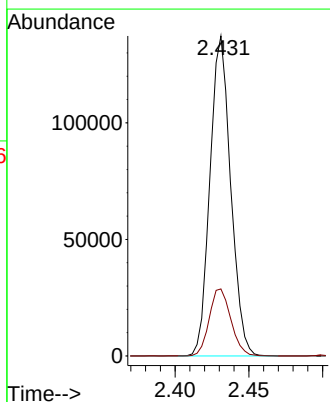
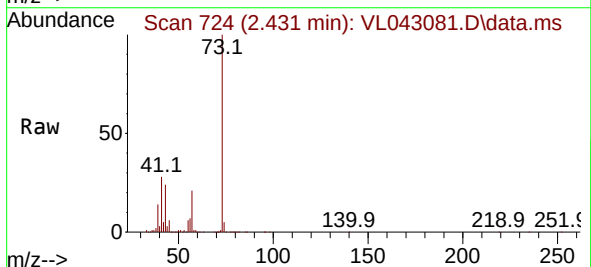
Manual Integrations
APPROVED

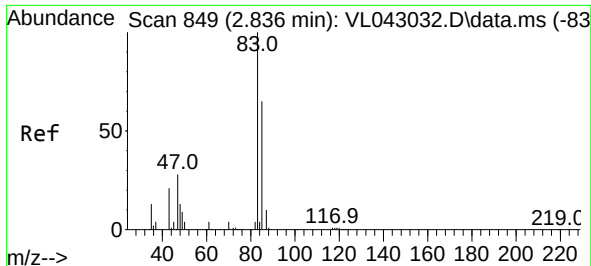
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
Methyl tert-Butyl Ether
Concen: 8.748 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion: 73 Resp: 134182
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8





#29

Chloroform

Concen: 9.303 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01

Tgt Ion: 83 Resp: 38874

Ion Ratio Lower Upper

83 100

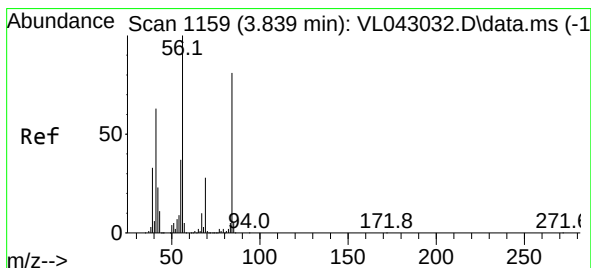
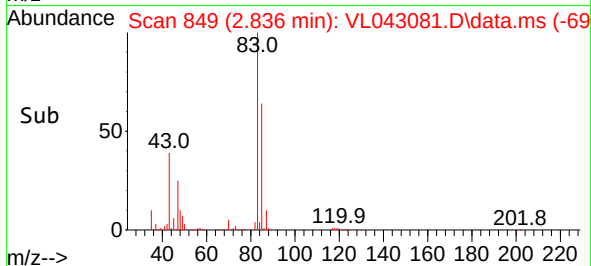
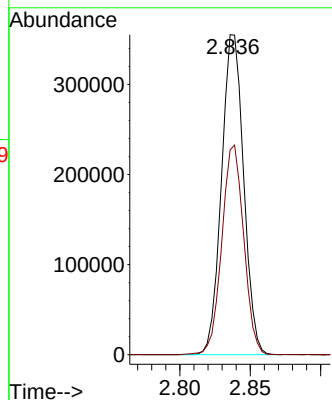
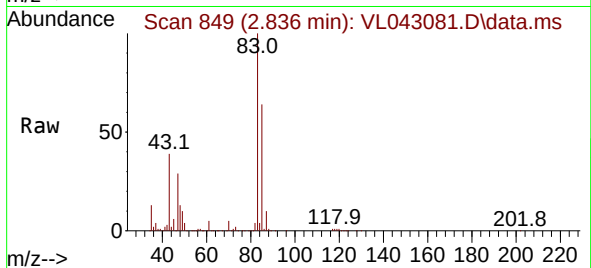
85 64.0 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 9.644 ppbv

RT: 3.842 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

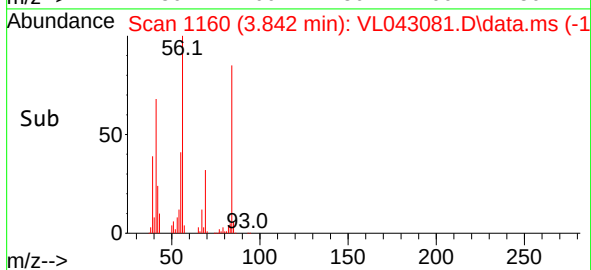
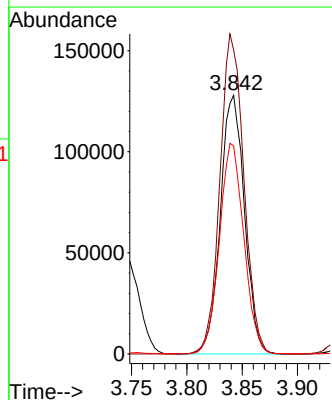
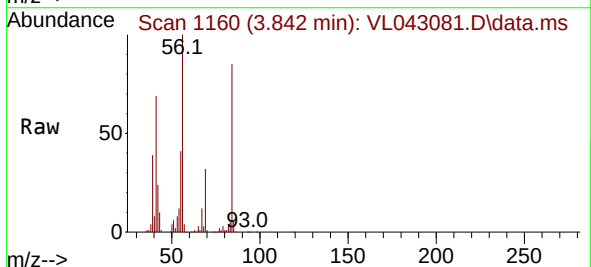
Tgt Ion: 84 Resp: 194228

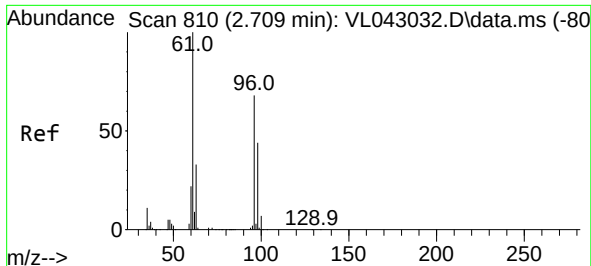
Ion Ratio Lower Upper

84 100

56 122.4 99.9 149.9

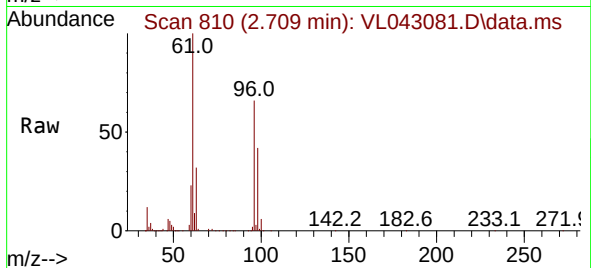
41 82.6 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 8.873 ppbv
 RT: 2.709 min Scan# 810
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

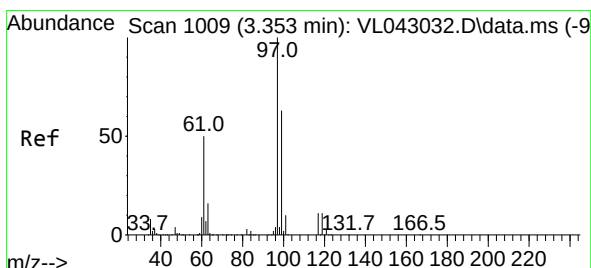
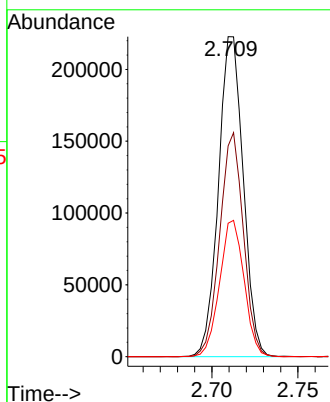
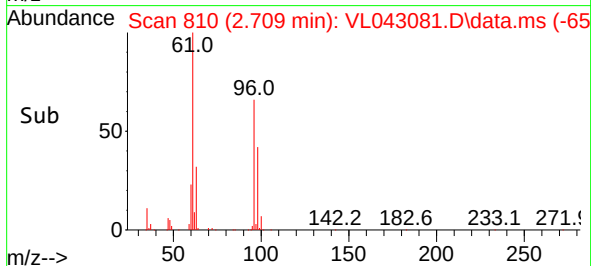
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



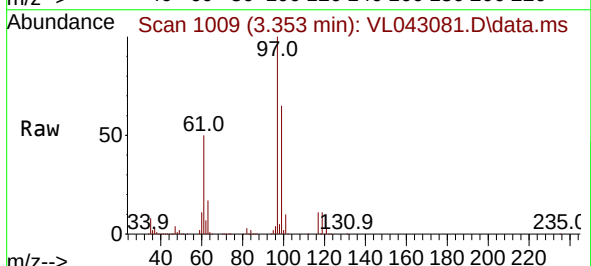
Tgt Ion: 61 Resp: 223550
 Ion Ratio Lower Upper
 61 100
 96 65.9 54.6 82.0
 98 41.7 34.8 52.2

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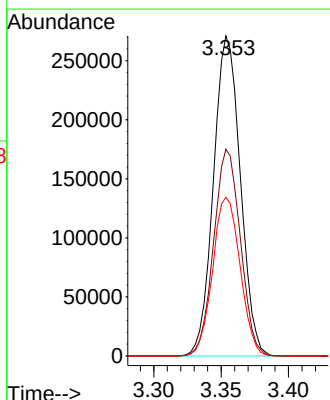
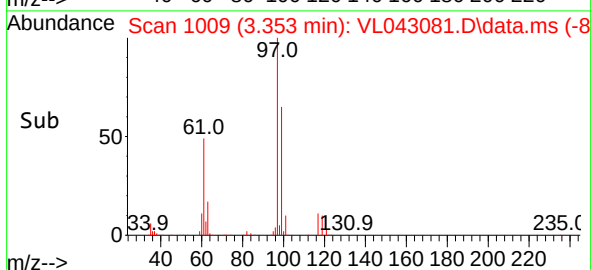
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

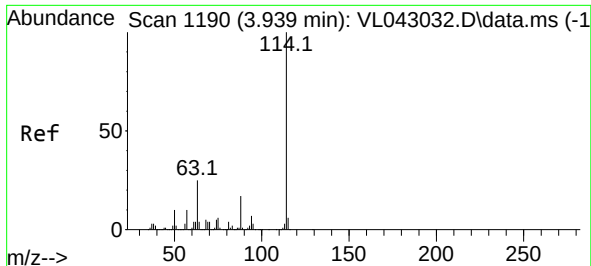


#32
 1,1,1-Trichloroethane
 Concen: 9.251 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54



Tgt Ion: 97 Resp: 375702
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 50.8 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.000 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01

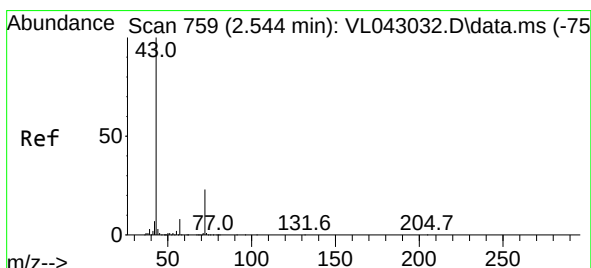
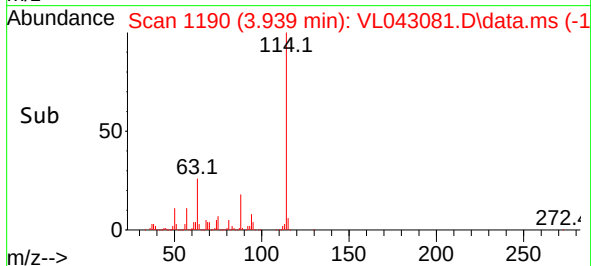
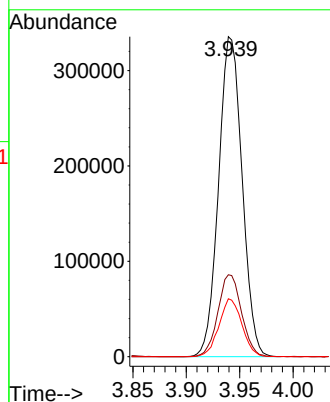
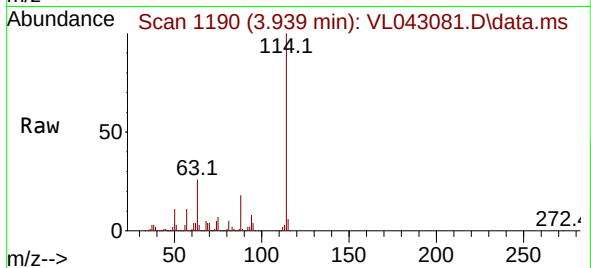
Tgt Ion:114 Resp: 514089

Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.4	29.2
88	17.7	13.9	20.9

Manual Integrations

APPROVED

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



#34

2-Butanone

Concen: 9.188 ppbv

RT: 2.548 min Scan# 760

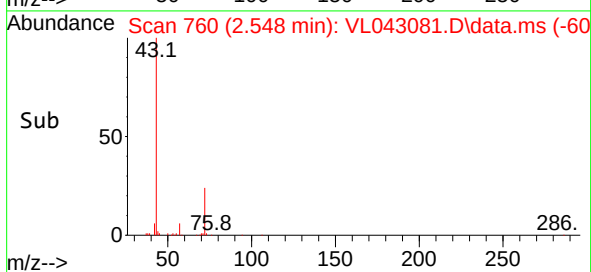
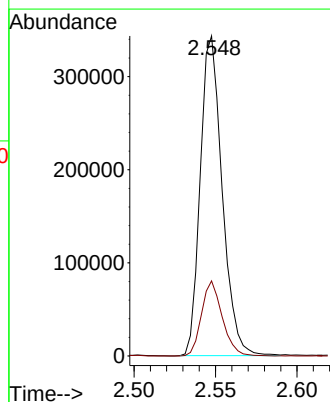
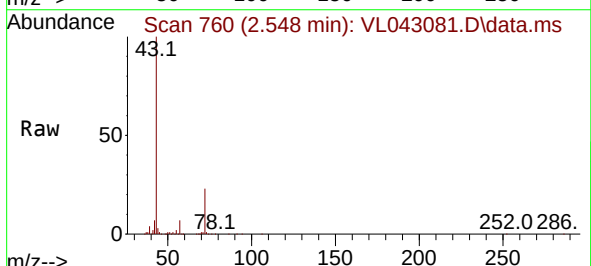
Delta R.T. 0.003 min

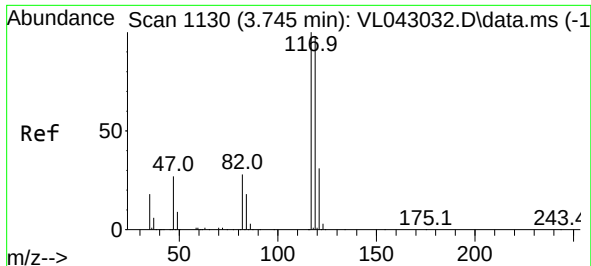
Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Tgt Ion: 43 Resp: 320496

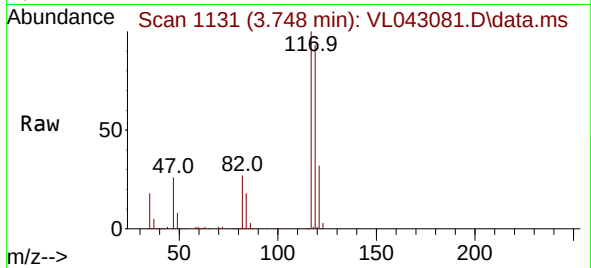
Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.4	27.6





#35
Carbon Tetrachloride
Concen: 9.625 ppbv
RT: 3.748 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

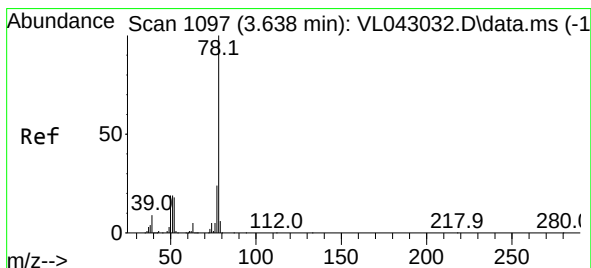
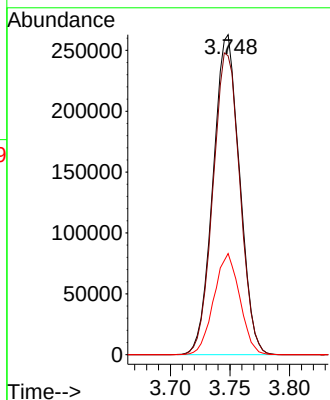
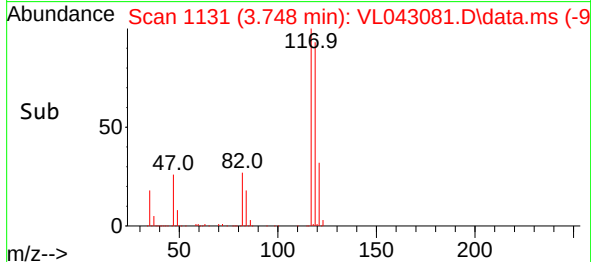
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



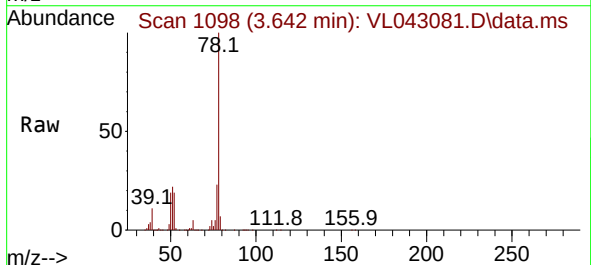
Tgt Ion:117 Resp: 407080
Ion Ratio Lower Upper
117 100
119 93.4 78.2 117.4
121 31.6 24.8 37.2

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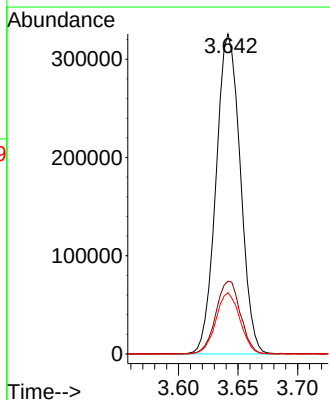
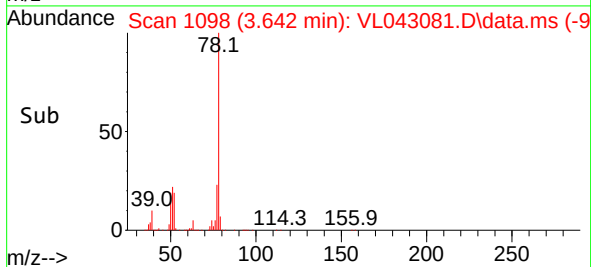
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

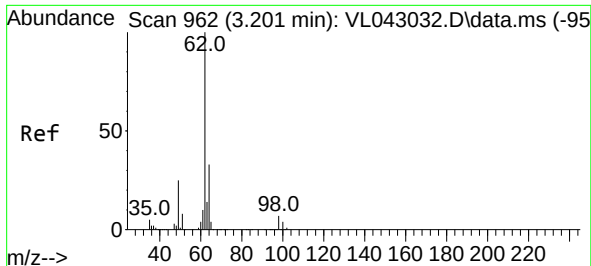


#36
Benzene
Concen: 9.400 ppbv
RT: 3.642 min Scan# 1098
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



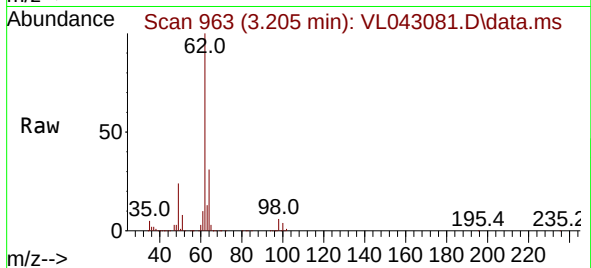
Tgt Ion: 78 Resp: 461671
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8
50 19.1 14.9 22.3





#37
1,2-Dichloroethane
Concen: 9.781 ppbv
RT: 3.205 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

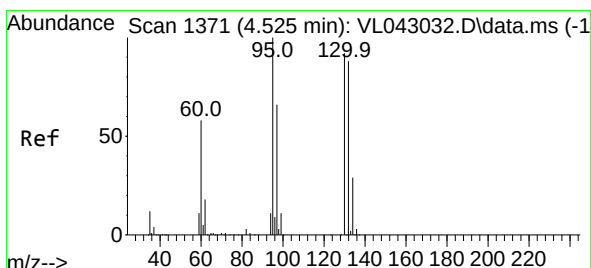
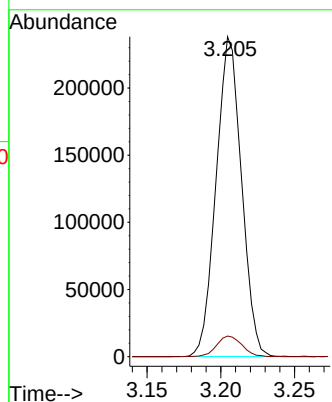
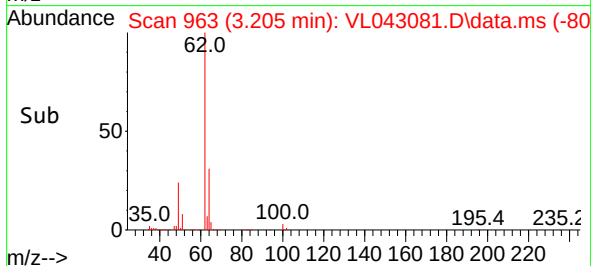
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



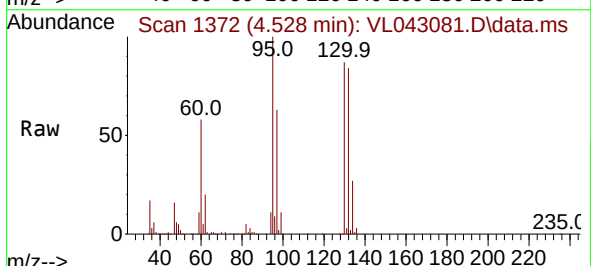
Tgt Ion: 62 Resp: 284510
Ion Ratio Lower Upper
62 100
98 6.5 5.6 8.4

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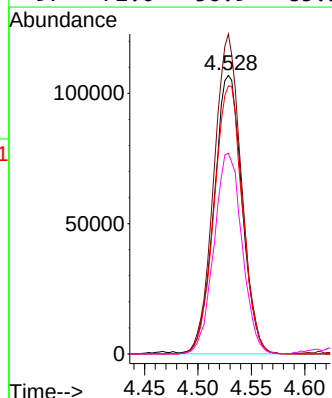
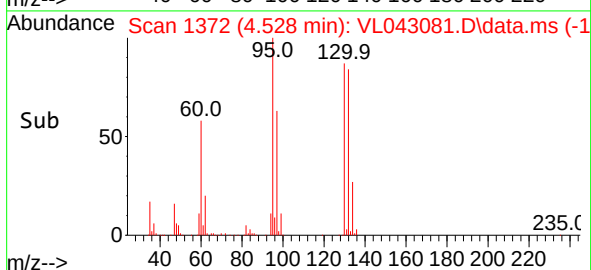
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

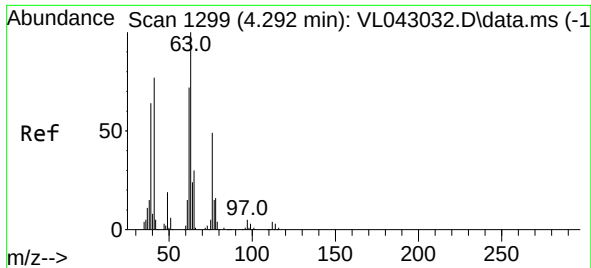


#38
Trichloroethene
Concen: 9.525 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion:130 Resp: 194878
Ion Ratio Lower Upper
130 100
95 114.8 86.4 129.6
132 96.2 75.7 113.5
97 72.0 56.9 85.3





#39

1,2-Dichloropropane

Concen: 9.226 ppbv

RT: 4.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01

Tgt Ion: 63 Resp: 167974

Ion Ratio Lower Upper

63 100

41 84.2 61.6 92.4

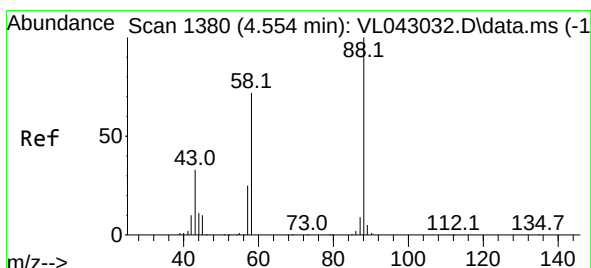
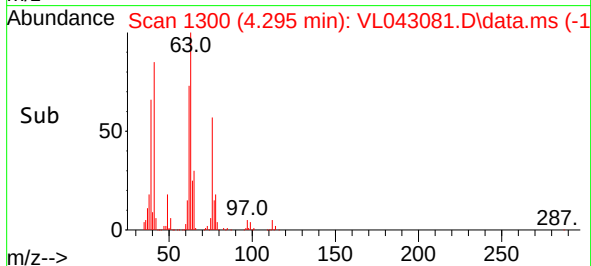
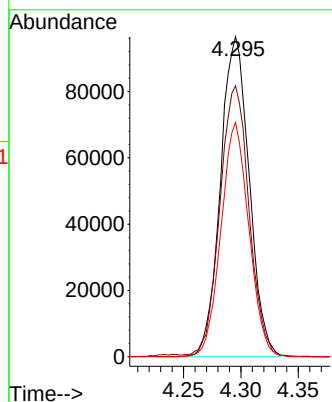
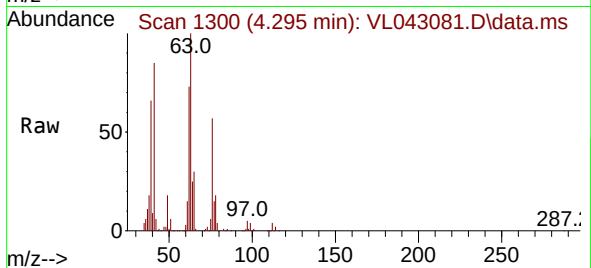
62 73.2 58.1 87.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 9.925 ppbv

RT: 4.558 min Scan# 1381

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Tgt Ion: 88 Resp: 77501

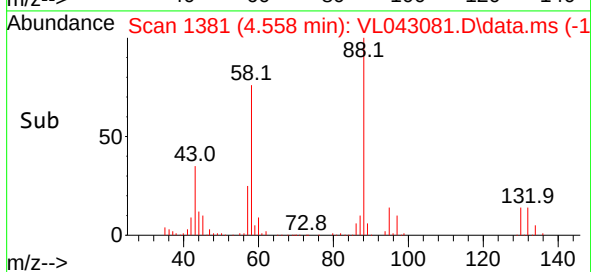
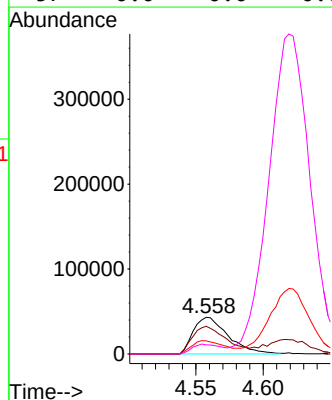
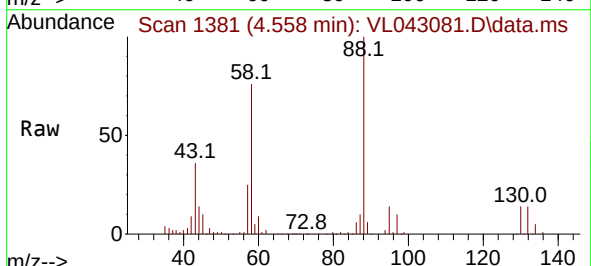
Ion Ratio Lower Upper

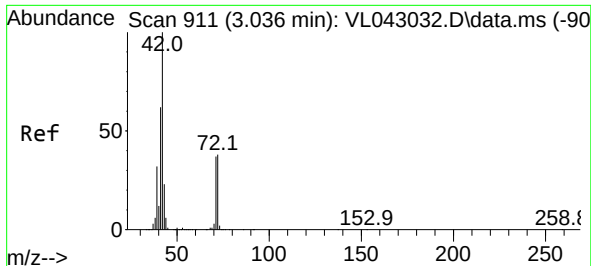
88 100

58 73.8 56.2 84.2

43 34.2 25.7 38.5

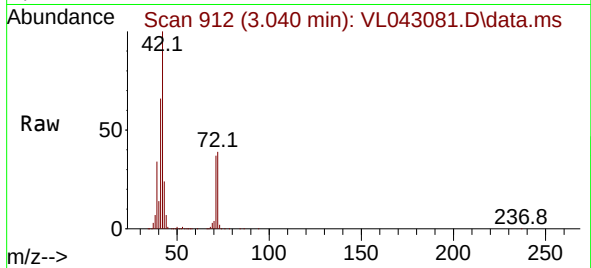
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.923 ppbv
RT: 3.040 min Scan# 911
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

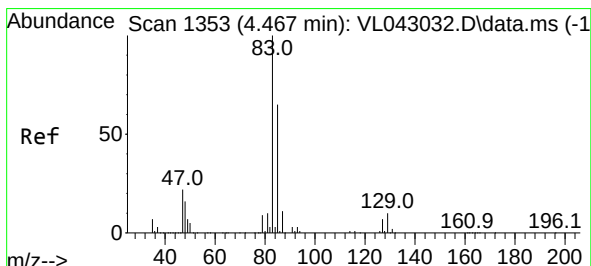
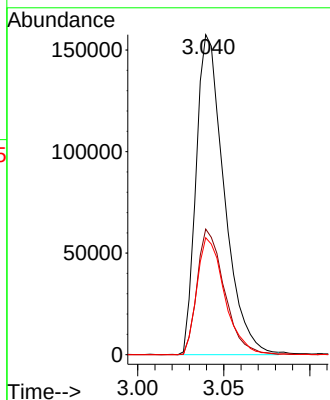
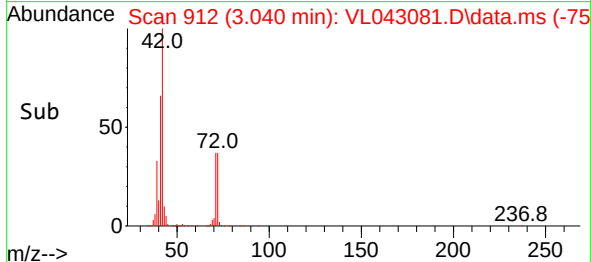
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion: 42 Resp: 17890
Ion Ratio Lower Upper
42 100
72 38.0 31.0 46.6
71 36.2 29.8 44.6

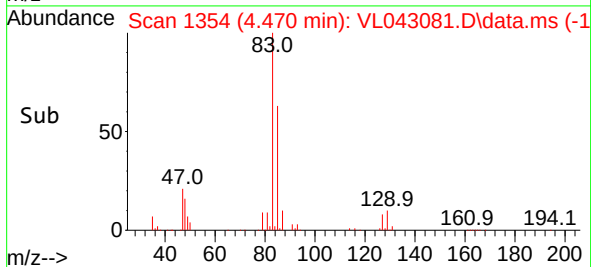
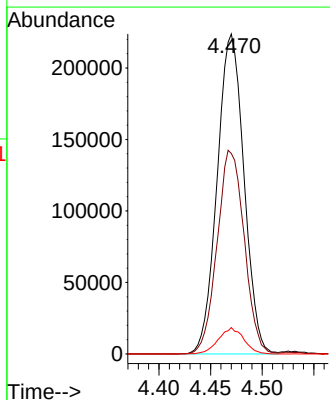
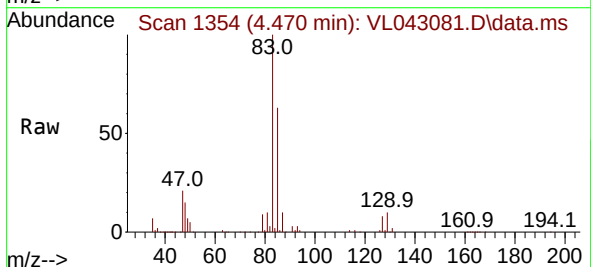
Manual Integrations
APPROVED

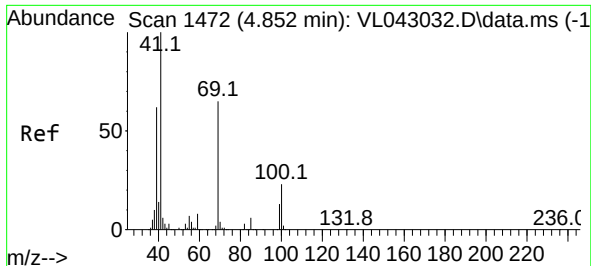
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Bromodichloromethane
Concen: 9.842 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion: 83 Resp: 404287
Ion Ratio Lower Upper
83 100
85 62.7 51.8 77.8
127 8.3 5.9 8.9





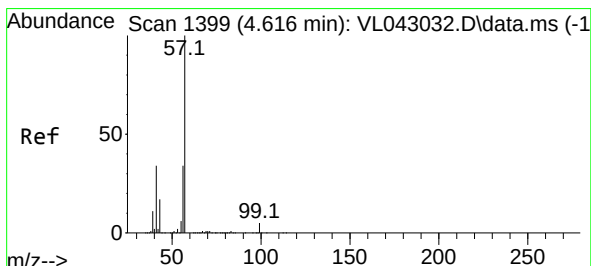
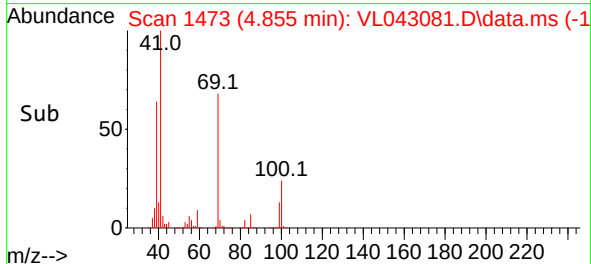
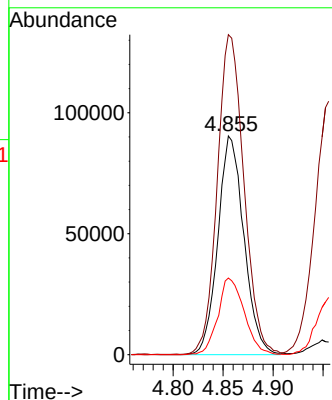
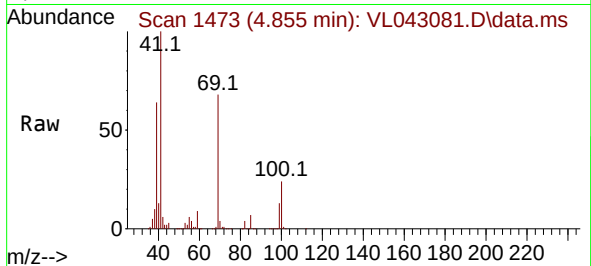
#43
Methyl Methacrylate
Concen: 10.042 ppbv
RT: 4.855 min Scan# 1472
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 69 Resp: 163729
Ion Ratio Lower Upper
69 100
41 149.5 118.0 177.0
100 35.6 28.3 42.5

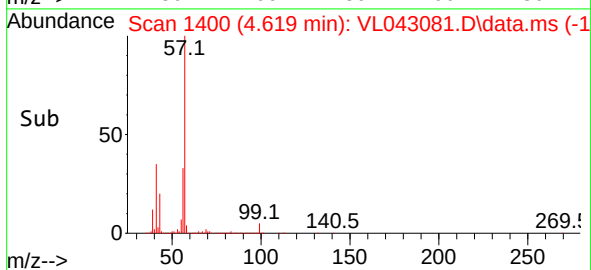
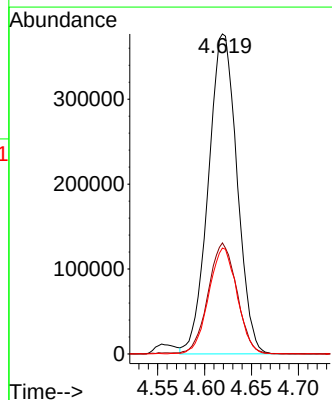
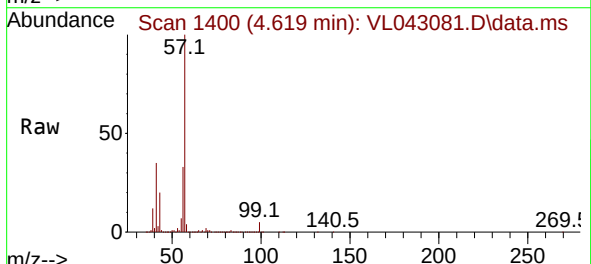
Manual Integrations
APPROVED

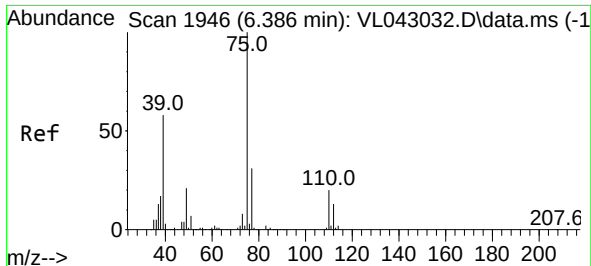
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 10.160 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

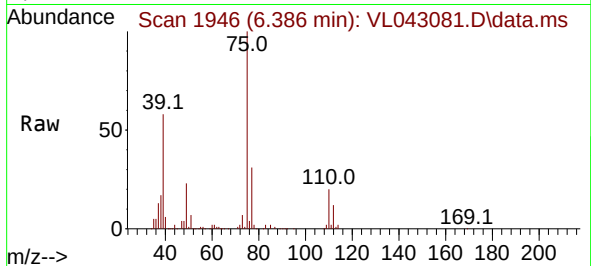
Tgt Ion: 57 Resp: 800720
Ion Ratio Lower Upper
57 100
41 34.9 27.0 40.4
56 32.9 26.0 39.0





#45
 t-1,3-Dichloropropene
 Concen: 9.358 ppbv
 RT: 6.386 min Scan# 1946
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

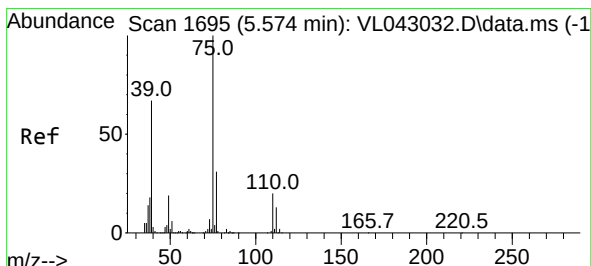
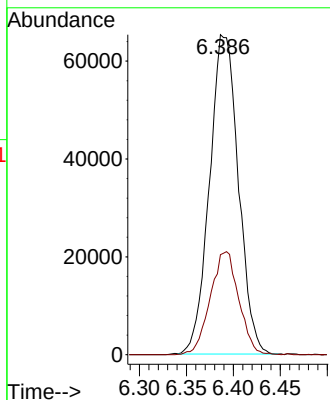
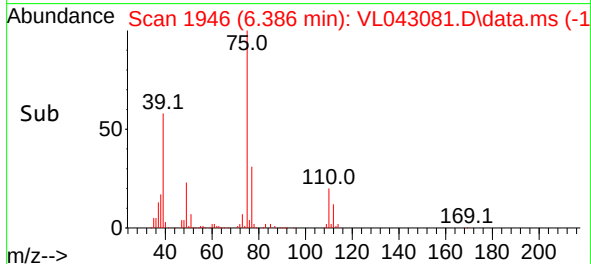
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



Tgt Ion: 75 Resp: 139630
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1

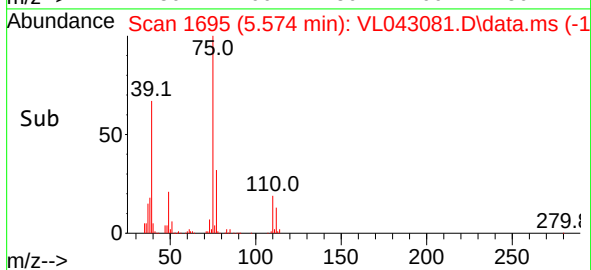
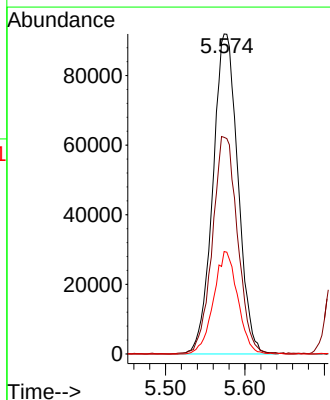
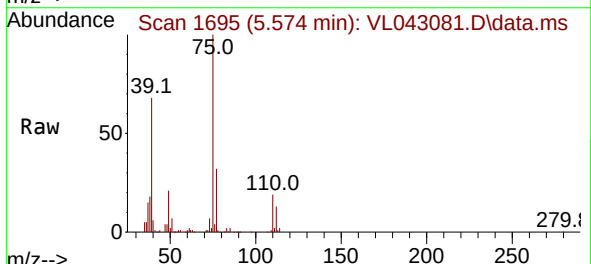
Manual Integrations
 APPROVED

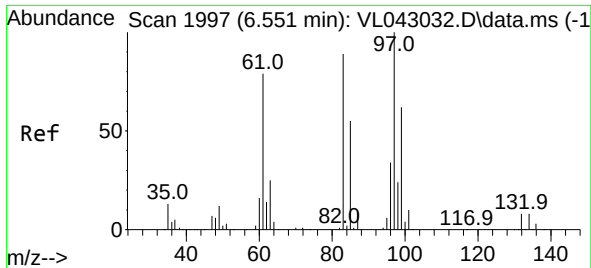
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#46
 cis-1,3-Dichloropropene
 Concen: 9.561 ppbv
 RT: 5.574 min Scan# 1695
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

Tgt Ion: 75 Resp: 201001
 Ion Ratio Lower Upper
 75 100
 39 67.4 53.4 80.0
 77 32.0 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.403 ppbv

RT: 6.555 min Scan# 1997

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01

Tgt Ion: 97 Resp: 190408

Ion Ratio Lower Upper

97 100

83 84.2 71.1 106.7

85 53.4 44.3 66.5

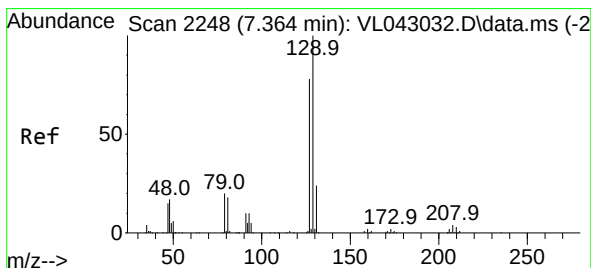
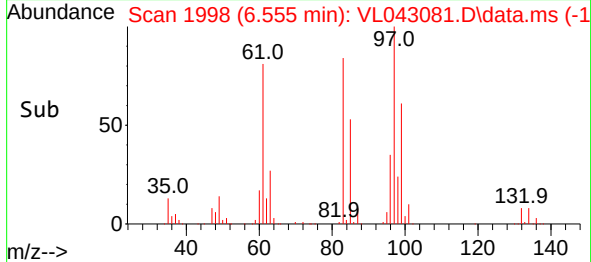
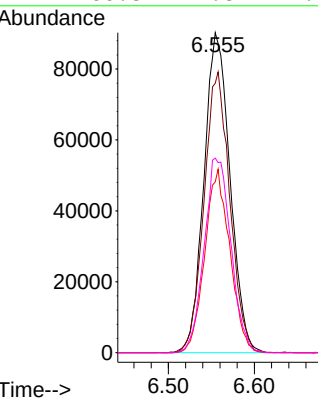
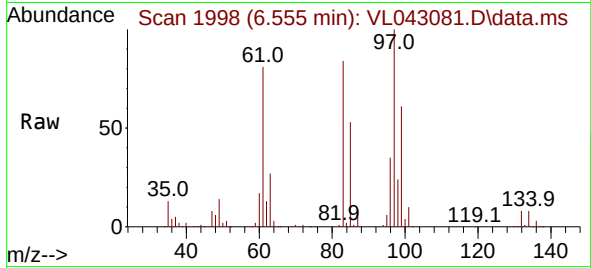
99 60.8 49.8 74.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#48

Dibromochloromethane

Concen: 9.960 ppbv

RT: 7.367 min Scan# 2249

Delta R.T. 0.003 min

Lab File: VL043081.D

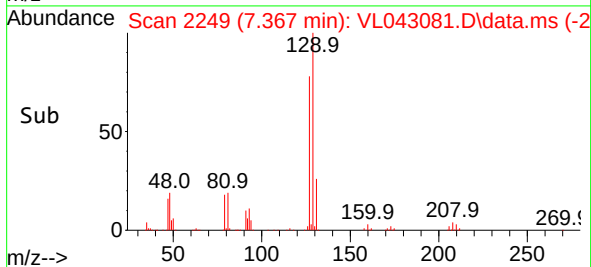
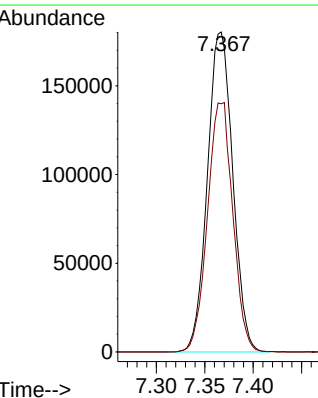
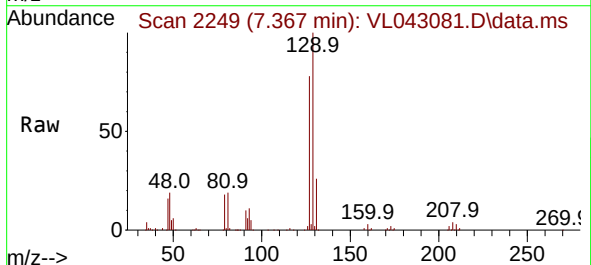
Acq: 09 Oct 2025 10:54

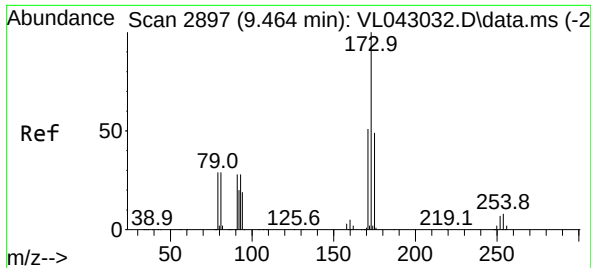
Tgt Ion:129 Resp: 329184

Ion Ratio Lower Upper

129 100

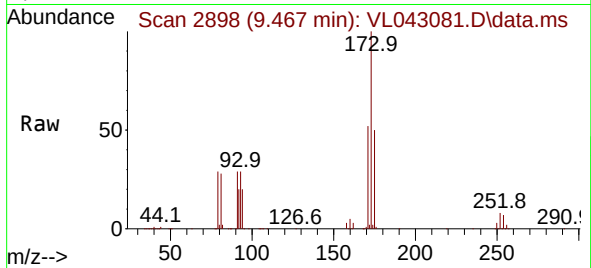
127 78.0 38.6 116.0





#49
Bromoform
Concen: 10.388 ppbv
RT: 9.467 min Scan# 2897
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

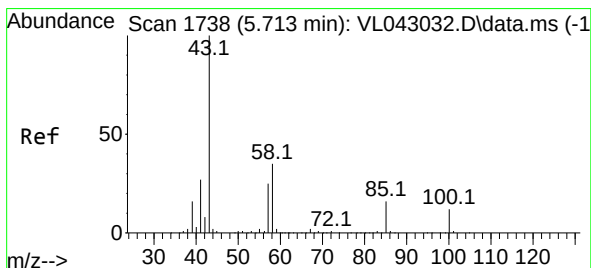
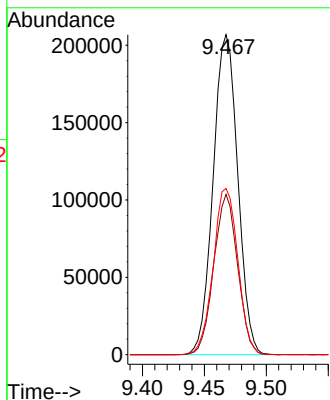
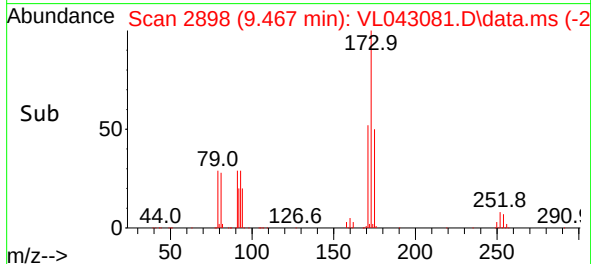
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion:173 Resp: 28674
Ion Ratio Lower Upper
173 100
175 48.5 39.1 58.7
171 52.1 41.4 62.2

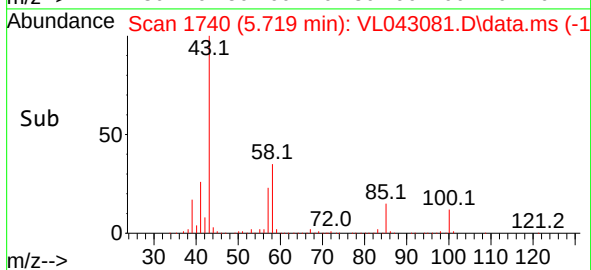
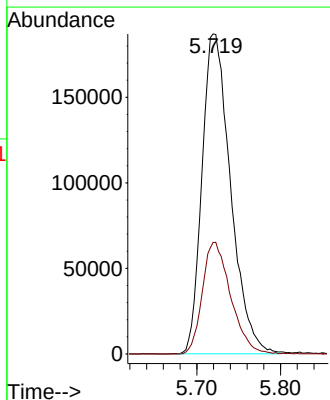
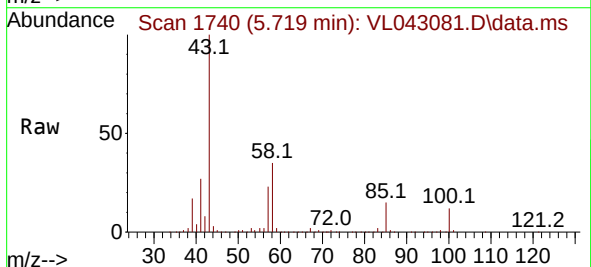
Manual Integrations
APPROVED

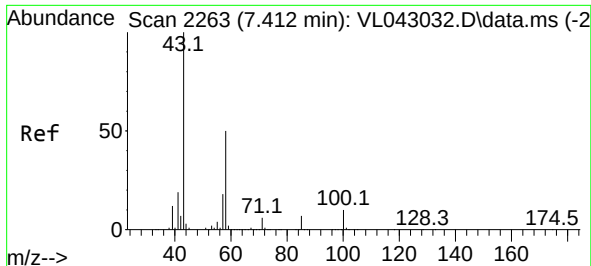
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 10.434 ppbv
RT: 5.719 min Scan# 1740
Delta R.T. 0.007 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

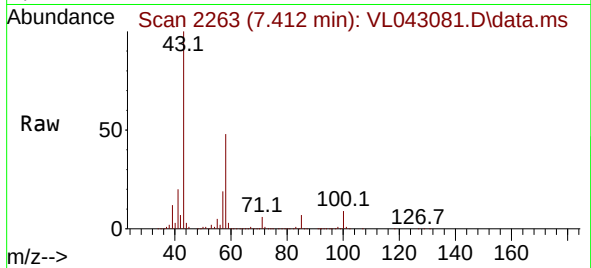
Tgt Ion: 43 Resp: 443830
Ion Ratio Lower Upper
43 100
58 34.6 28.7 43.1





#51
2-Hexanone
Concen: 11.210 ppbv
RT: 7.412 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

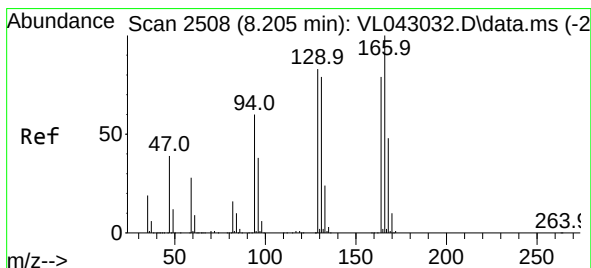
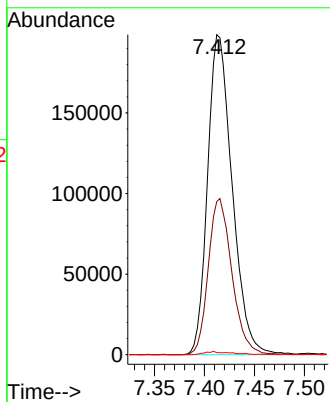
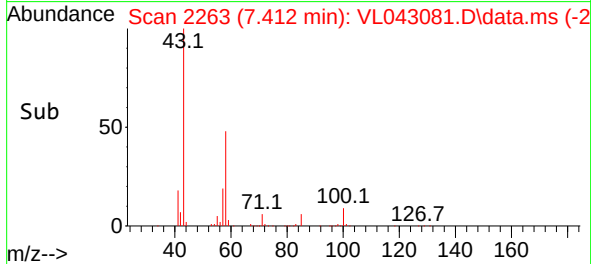
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



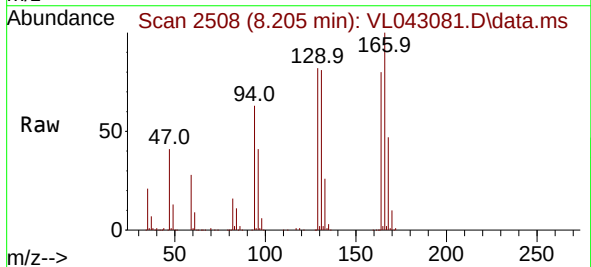
Tgt Ion: 43 Resp: 33940
Ion Ratio Lower Upper
43 100
58 47.0 39.1 58.7
98 1.1 0.5 0.7

Manual Integrations
APPROVED

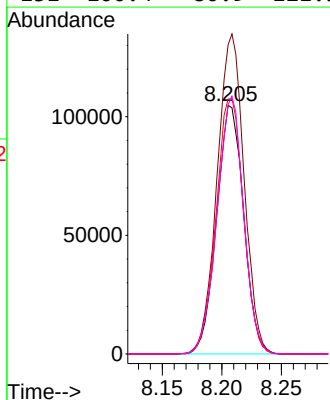
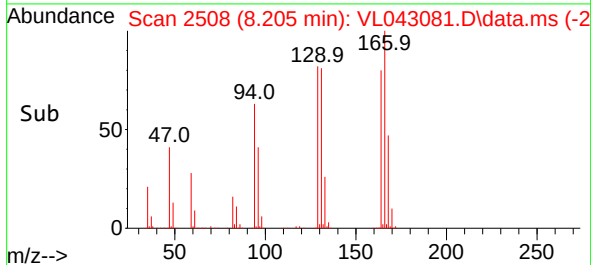
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

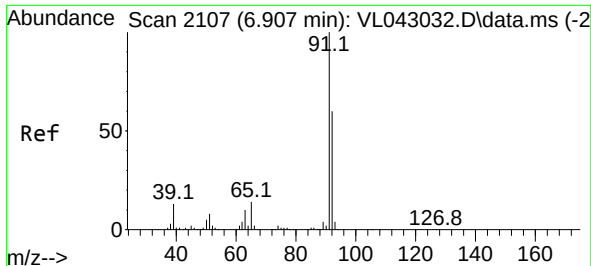


#52
Tetrachloroethene
Concen: 9.062 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion:164 Resp: 164807
Ion Ratio Lower Upper
164 100
166 124.5 101.8 152.8
129 102.6 84.5 126.7
131 100.4 80.9 121.3





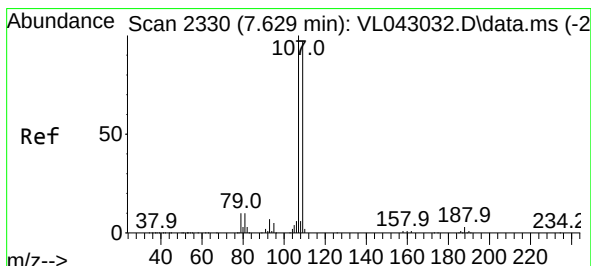
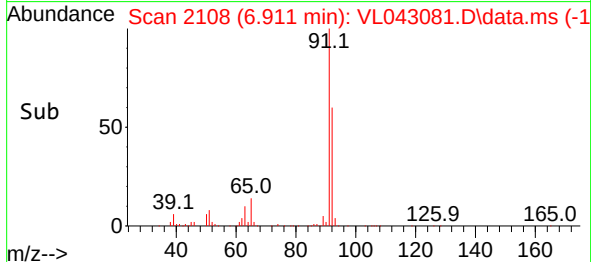
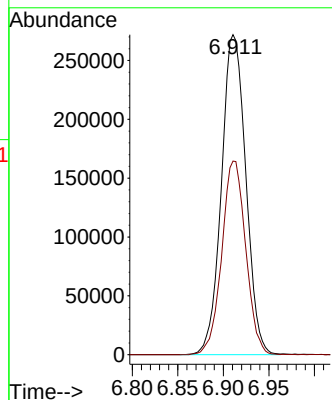
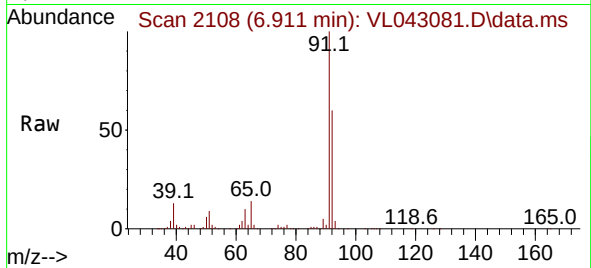
#53
Toluene
Concen: 10.206 ppbv
RT: 6.911 min Scan# 2108
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 91 Resp: 506100
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.6

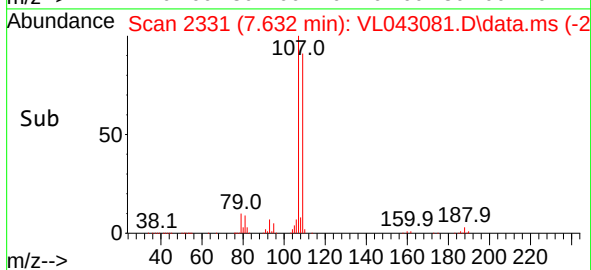
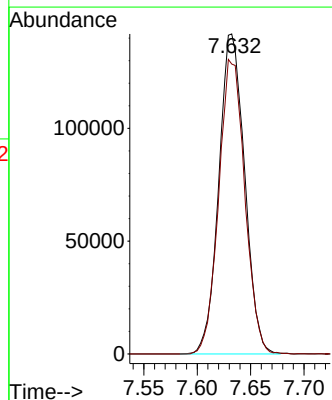
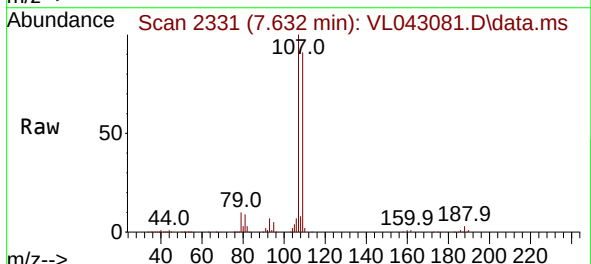
Manual Integrations
APPROVED

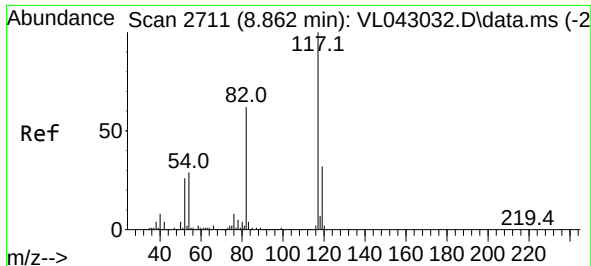
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
1,2-Dibromoethane
Concen: 9.919 ppbv
RT: 7.632 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

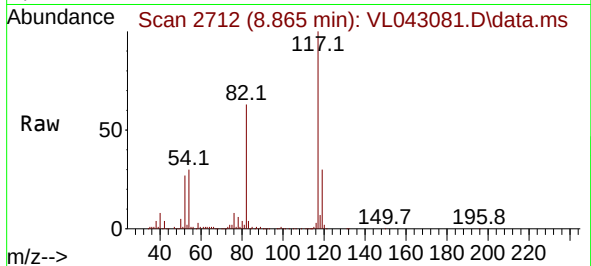
Tgt Ion:107 Resp: 238079
Ion Ratio Lower Upper
107 100
109 90.6 77.4 116.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

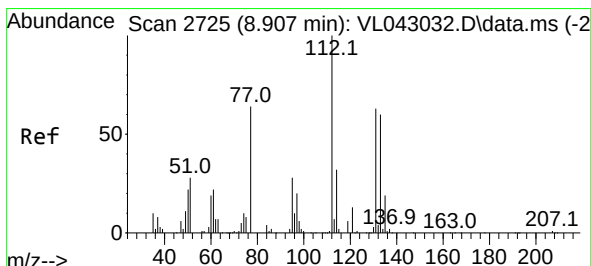
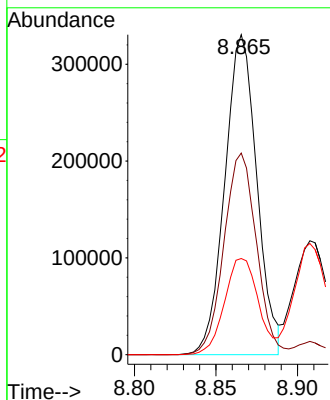
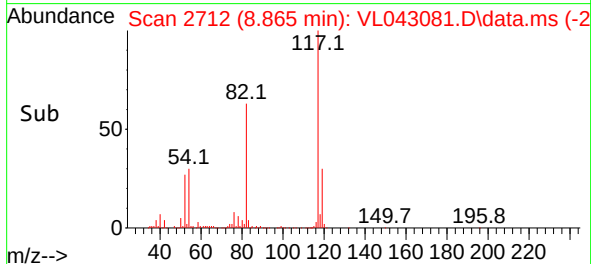
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion:117 Resp: 45120
Ion Ratio Lower Upper
117 100
82 67.8 53.0 79.6
119 32.3 25.4 38.2

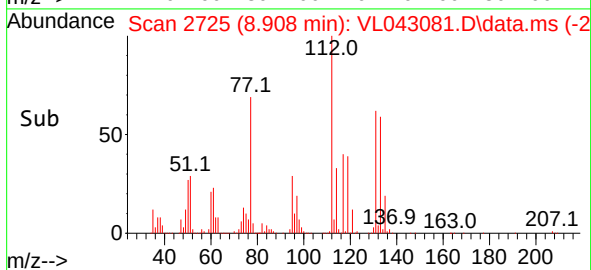
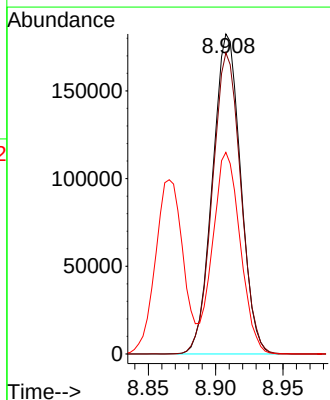
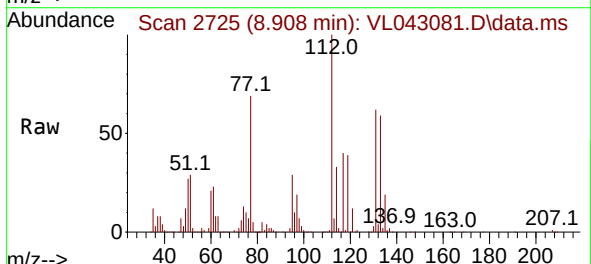
Manual Integrations
APPROVED

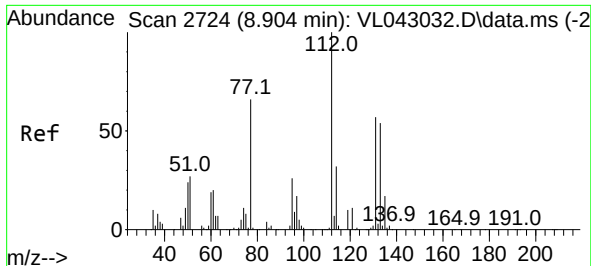
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.621 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

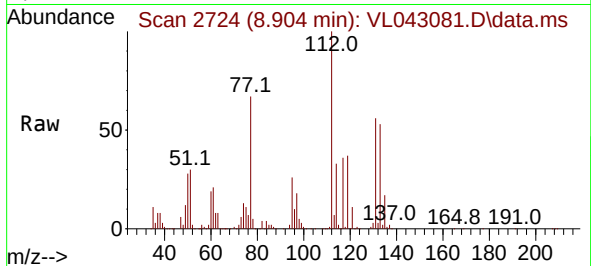
Tgt Ion:131 Resp: 264615
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 62.3 49.4 74.2





#57
Chlorobenzene
Concen: 9.150 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

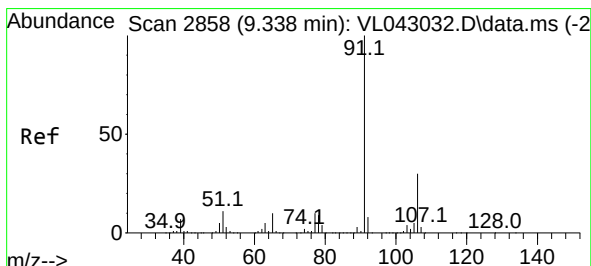
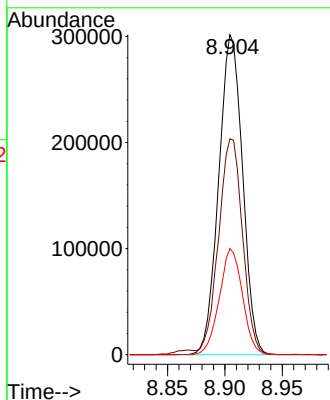
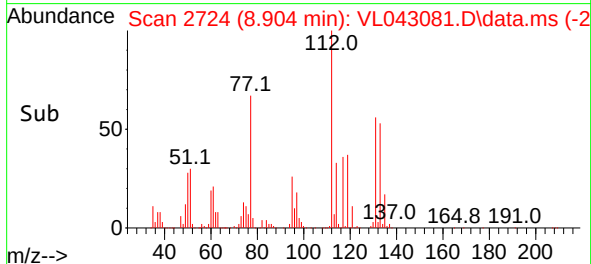
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



Tgt Ion:112 Resp: 436424
Ion Ratio Lower Upper
112 100
77 67.4 53.2 79.8
114 33.2 28.6 35.0

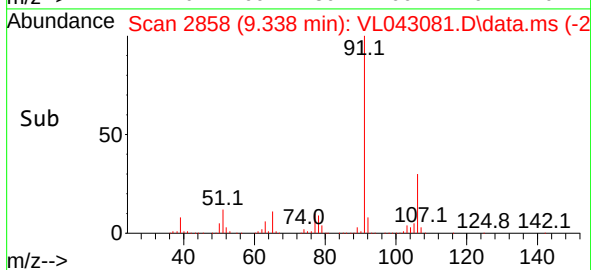
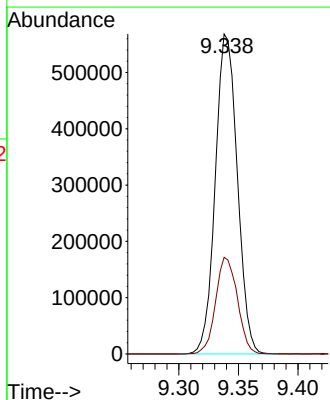
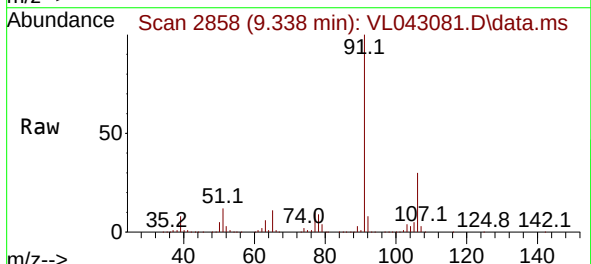
Manual Integrations
APPROVED

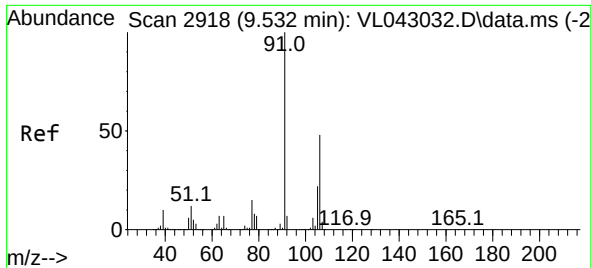
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 10.424 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion: 91 Resp: 728666
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1





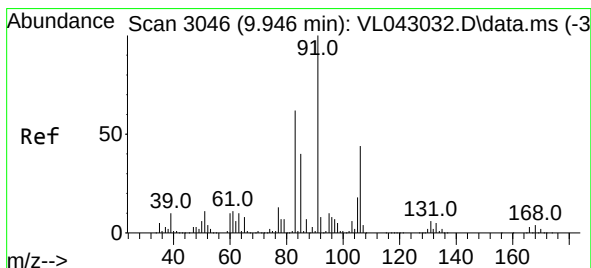
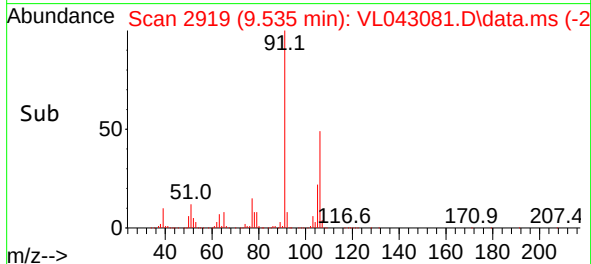
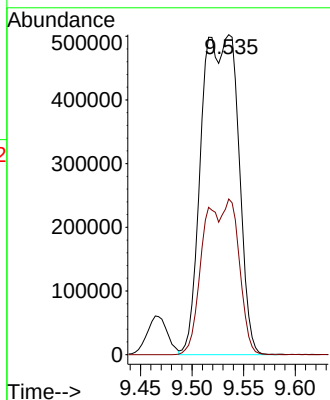
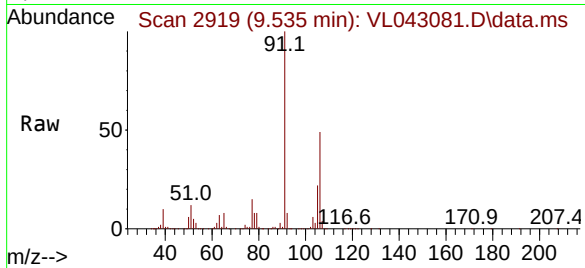
#59
m/p-Xylene
Concen: 21.284 ppbv m
RT: 9.535 min Scan# 2918
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 91 Resp: 1254878
Ion Ratio Lower Upper
91 100
106 46.8 37.5 56.3

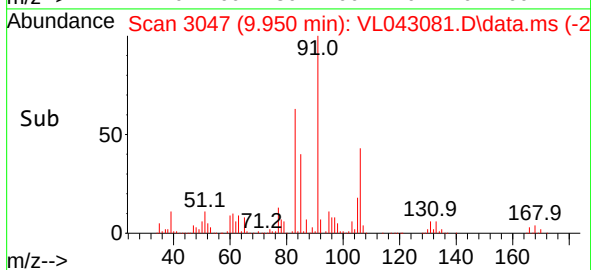
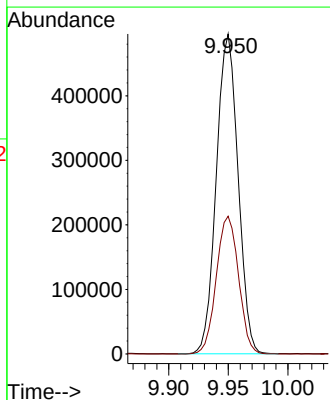
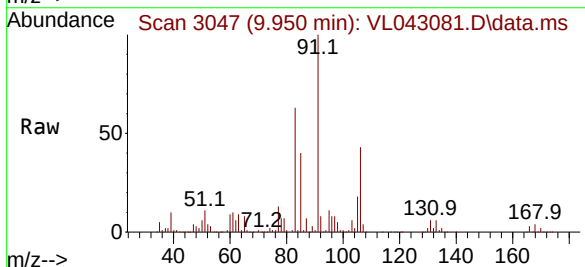
Manual Integrations
APPROVED

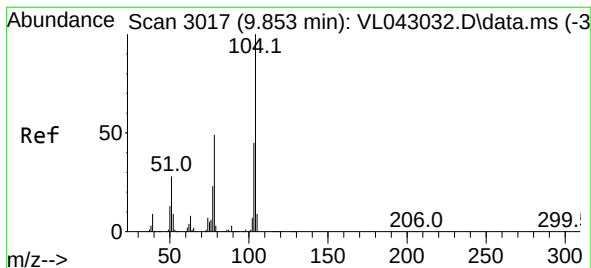
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 10.691 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion: 91 Resp: 627895
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.5





#61

Styrene

Concen: 10.603 ppbv

RT: 9.856 min Scan# 3017

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

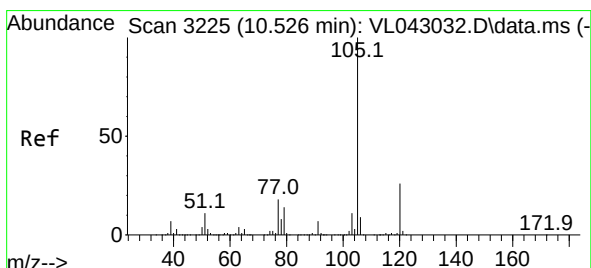
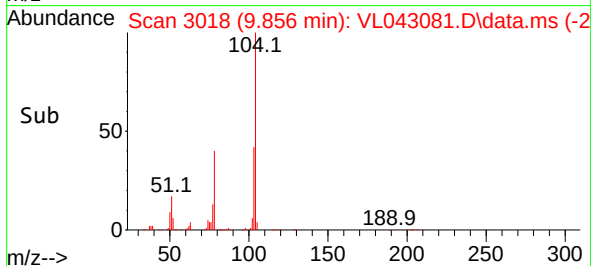
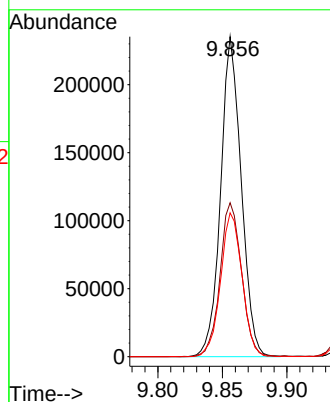
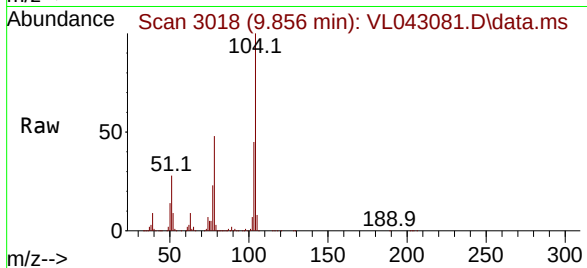
VL1009ABS01

Tgt Ion:104 Resp: 26088
 Ion Ratio Lower Upper
 104 100
 78 50.3 39.7 59.5
 103 46.9 37.6 56.4

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 10.450 ppbv

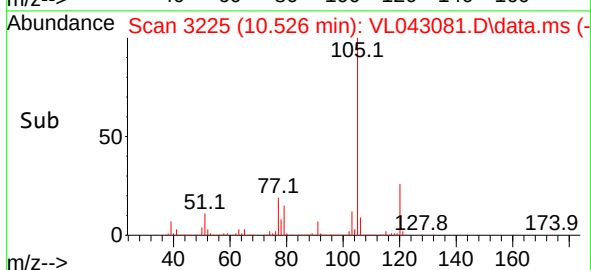
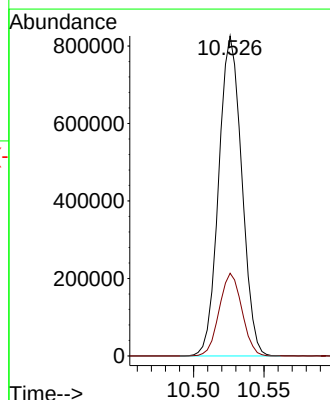
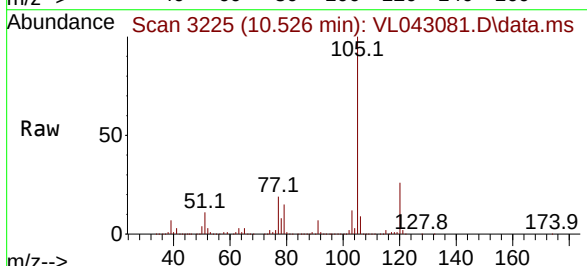
RT: 10.526 min Scan# 3225

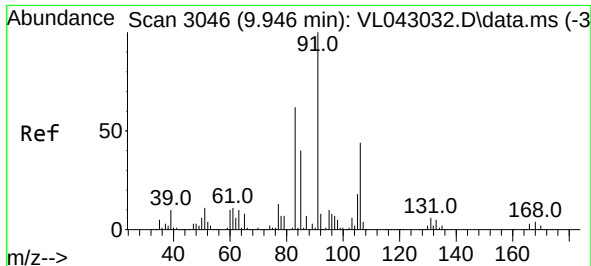
Delta R.T. 0.000 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

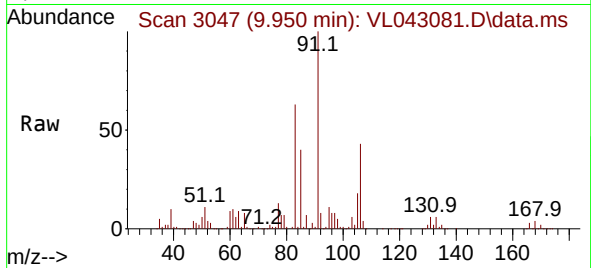
Tgt Ion:105 Resp: 942102
 Ion Ratio Lower Upper
 105 100
 120 25.4 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 9.410 ppbv
RT: 9.950 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

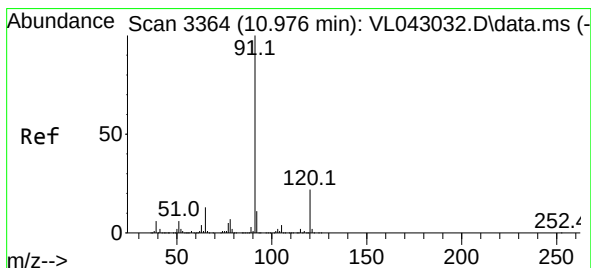
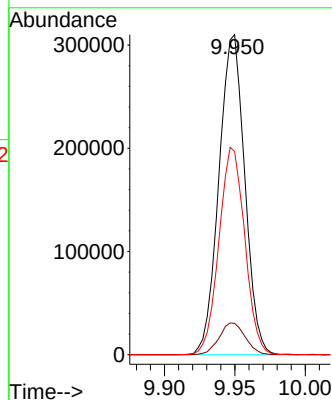
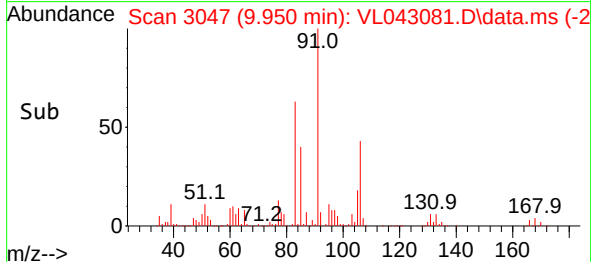
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



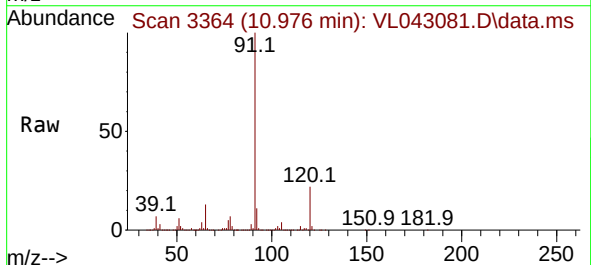
Tgt Ion: 83 Resp: 39648
Ion Ratio Lower Upper
83 100
131 10.0 4.7 14.1
85 64.8 32.0 96.2

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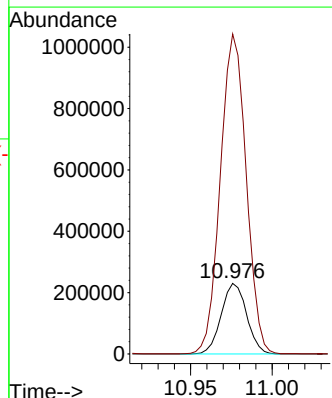
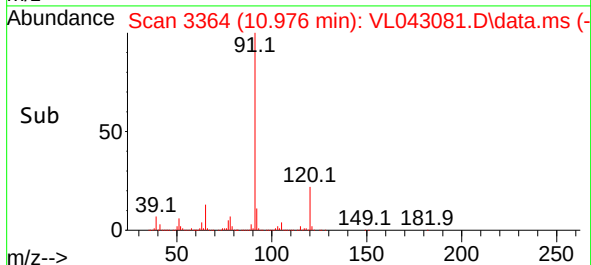
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

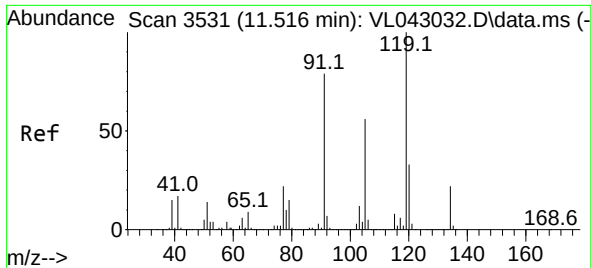


#64
n-propylbenzene
Concen: 10.783 ppbv
RT: 10.976 min Scan# 3364
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion:120 Resp: 248676
Ion Ratio Lower Upper
120 100
91 462.6 367.0 550.4





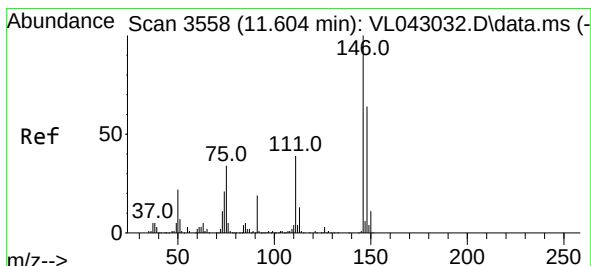
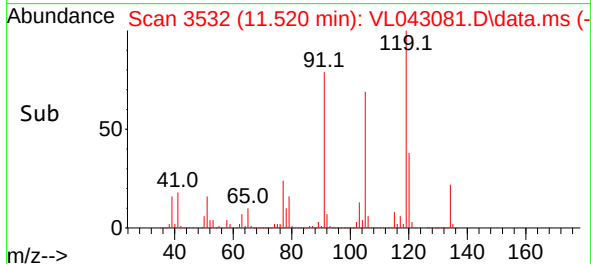
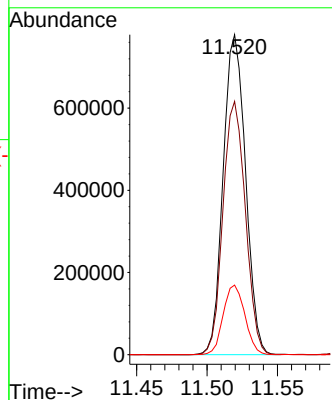
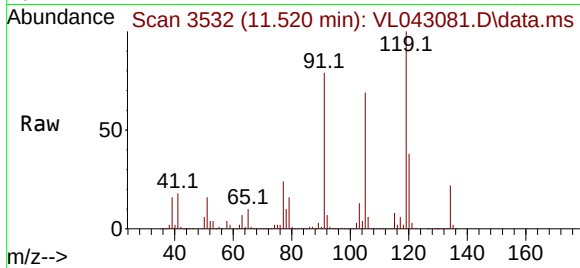
#65
tert-Butylbenzene
Concen: 10.747 ppbv
RT: 11.520 min Scan# 3532
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion:119 Resp: 862289
Ion Ratio Lower Upper
119 100
91 79.3 63.1 94.7
134 21.0 16.9 25.3

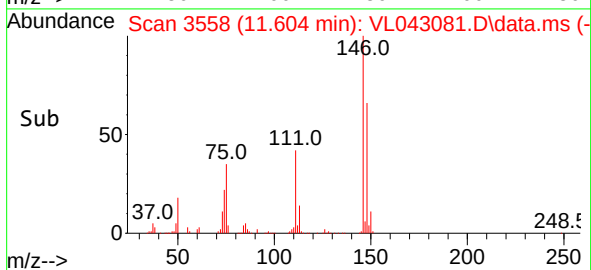
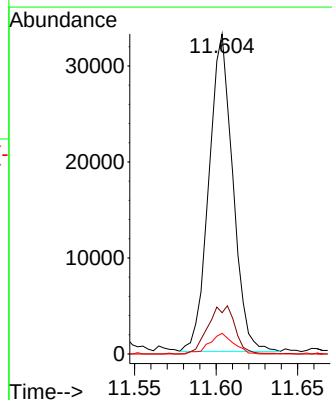
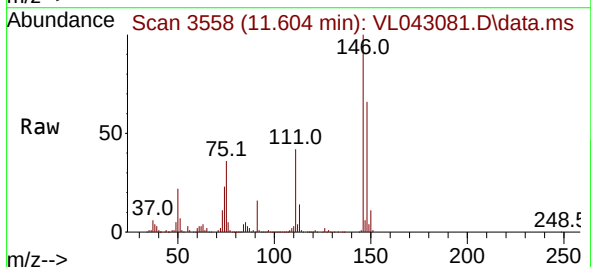
Manual Integrations
APPROVED

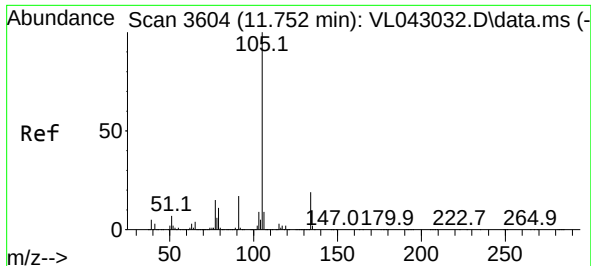
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 11.018 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

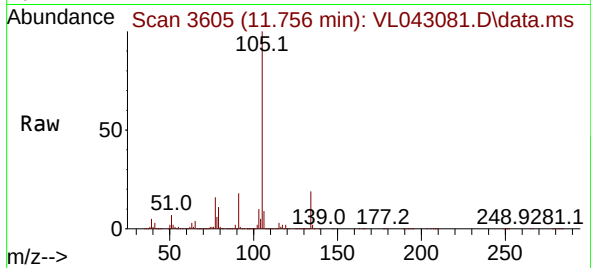
Tgt Ion: 91 Resp: 33788
Ion Ratio Lower Upper
91 100
126 17.1 14.2 21.4
128 6.6 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 10.688 ppbv
 RT: 11.756 min Scan# 3605
 Delta R.T. 0.003 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

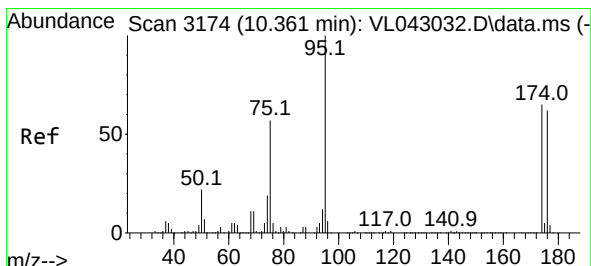
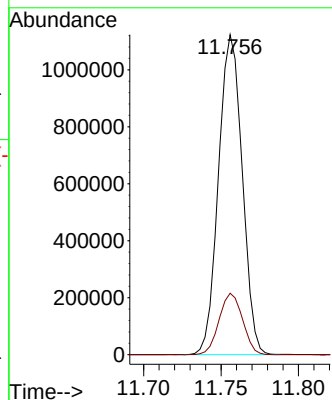
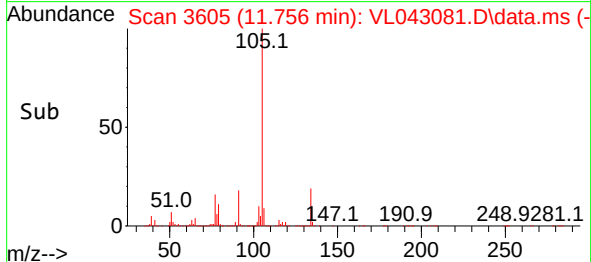
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01



Tgt Ion:105 Resp: 119673
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.2 22.8

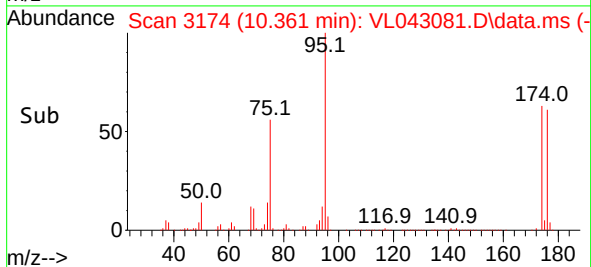
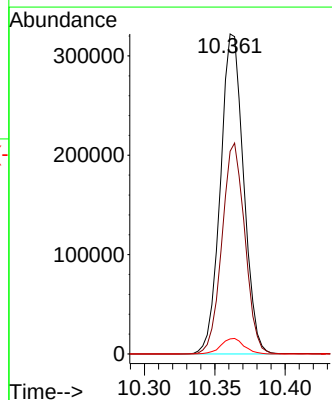
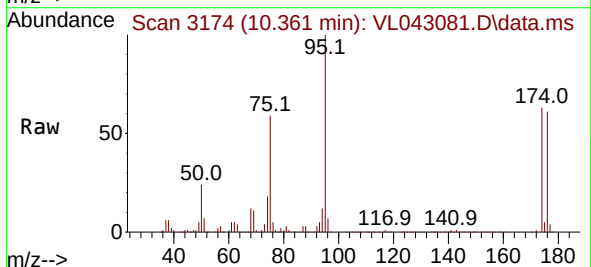
Manual Integrations
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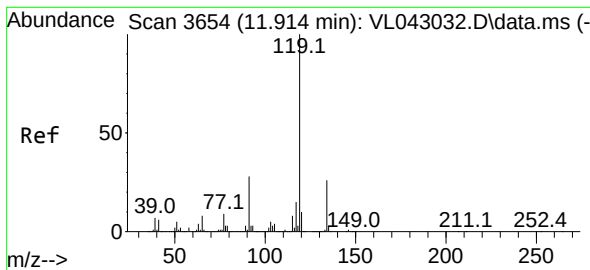
Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.367 ppbv
 RT: 10.361 min Scan# 3174
 Delta R.T. 0.000 min
 Lab File: VL043081.D
 Acq: 09 Oct 2025 10:54

Tgt Ion: 95 Resp: 369478
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.3 78.5
 175 4.8 3.8 5.8





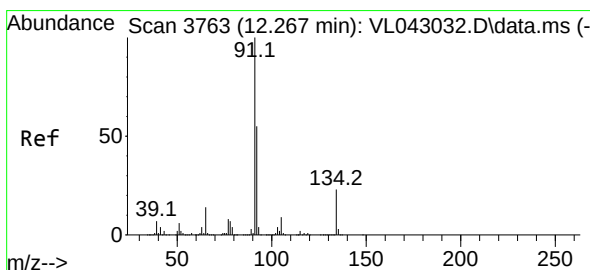
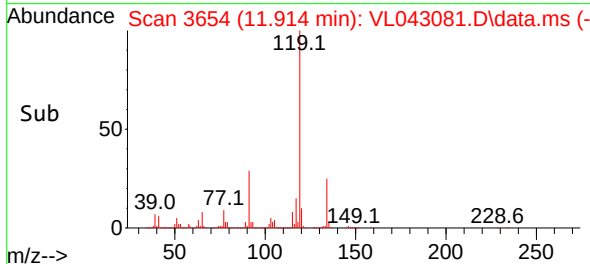
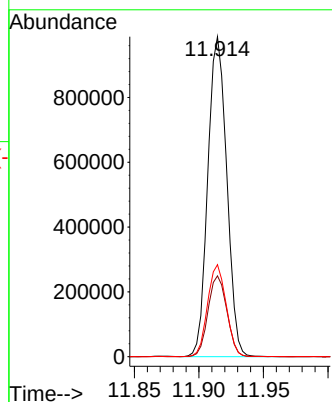
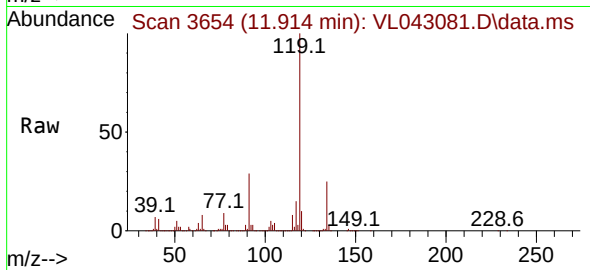
#69
p-Isopropyltoluene
Concen: 11.037 ppbv
RT: 11.914 min Scan# 3654
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion:119 Resp: 1005278
Ion Ratio Lower Upper
119 100
134 25.2 20.5 30.7
91 28.5 22.6 33.8

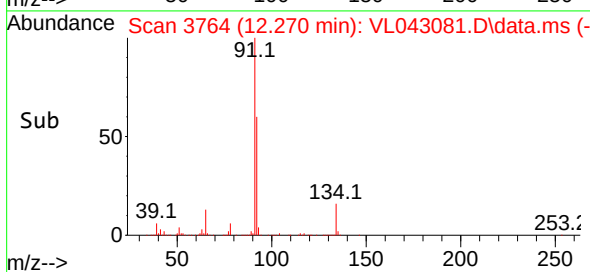
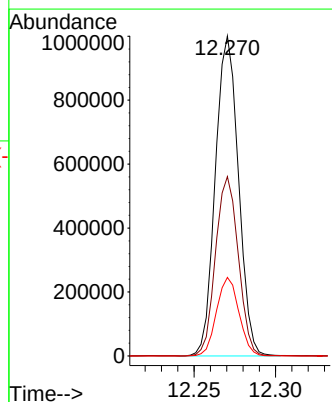
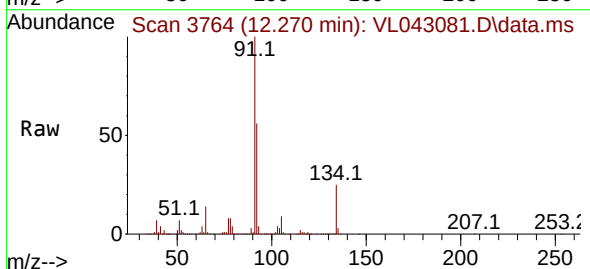
Manual Integrations
APPROVED

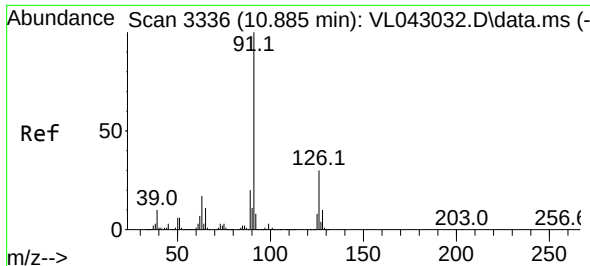
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
n-Butylbenzene
Concen: 11.244 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion: 91 Resp: 986134
Ion Ratio Lower Upper
91 100
92 55.2 43.9 65.9
134 23.9 18.9 28.3





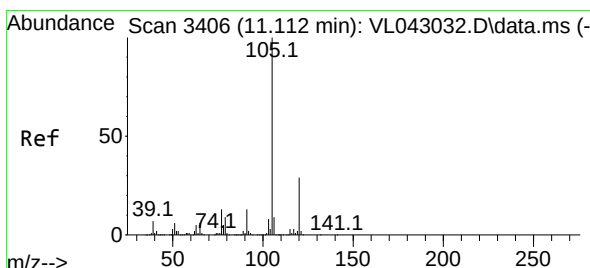
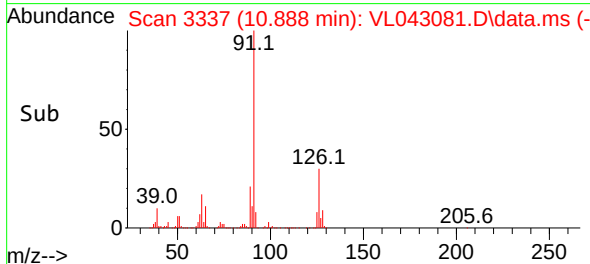
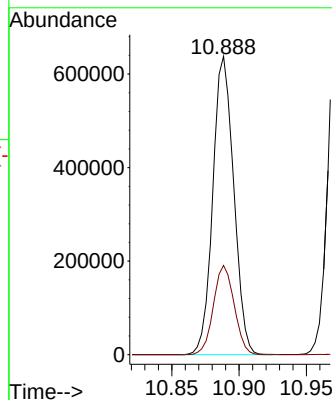
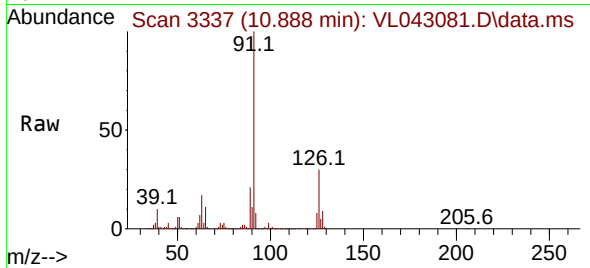
#71
2-Chlorotoluene
Concen: 10.547 ppbv
RT: 10.888 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01

Tgt Ion: 91 Resp: 68822
Ion Ratio Lower Upper
91 100
126 29.7 12.2 48.6

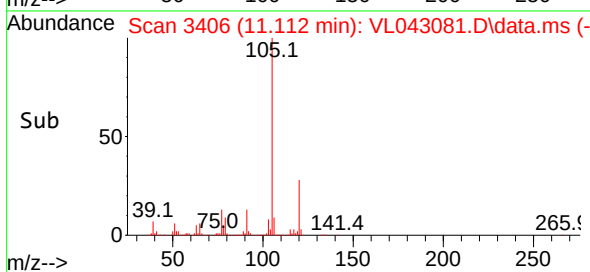
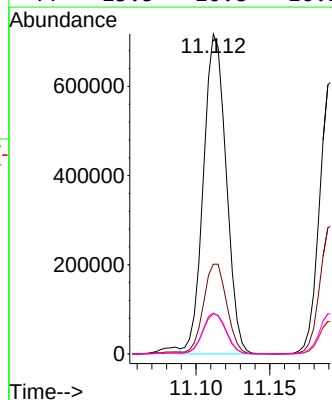
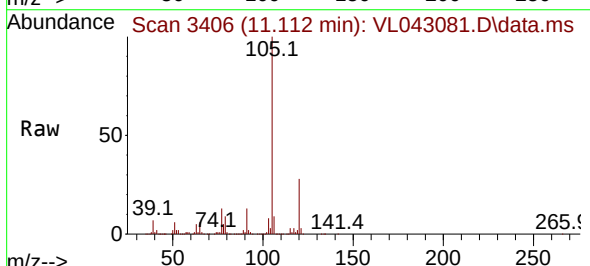
Manual Integrations
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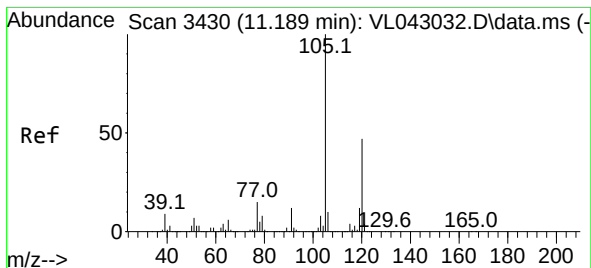
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 10.992 ppbv
RT: 11.112 min Scan# 3406
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

Tgt Ion:105 Resp: 768344
Ion Ratio Lower Upper
105 100
120 29.4 23.5 35.3
91 13.1 10.4 15.6
77 13.5 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 10.807 ppbv

RT: 11.193 min Scan# 3430

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01

Tgt Ion:105 Resp: 653539

Ion Ratio Lower Upper

105 100

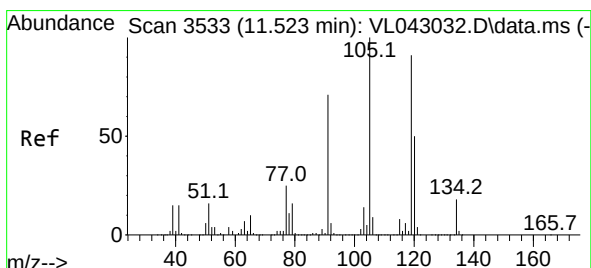
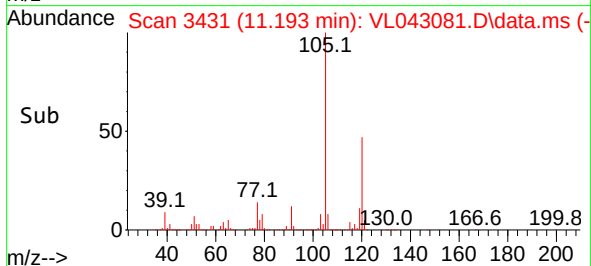
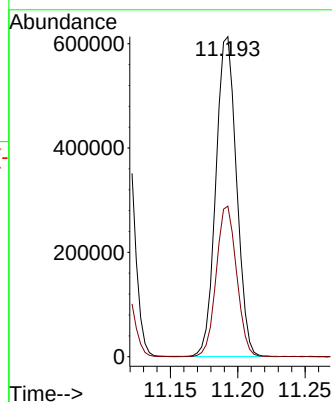
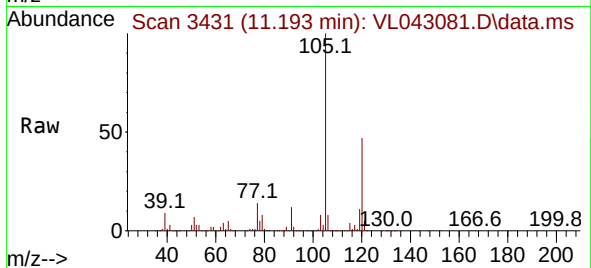
120 47.1 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.824 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043081.D

Acq: 09 Oct 2025 10:54

Tgt Ion:105 Resp: 738742

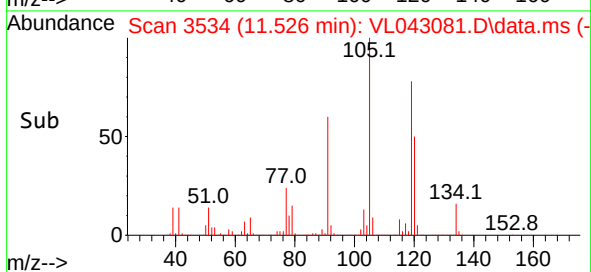
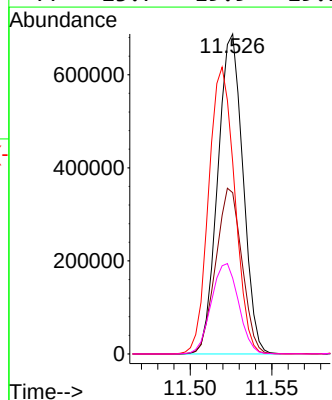
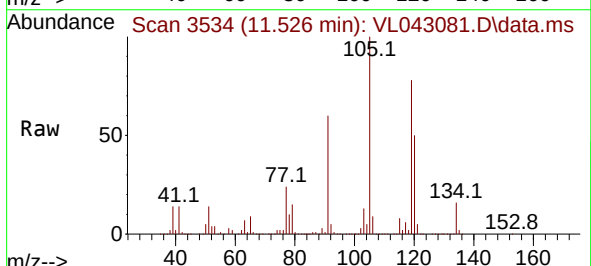
Ion Ratio Lower Upper

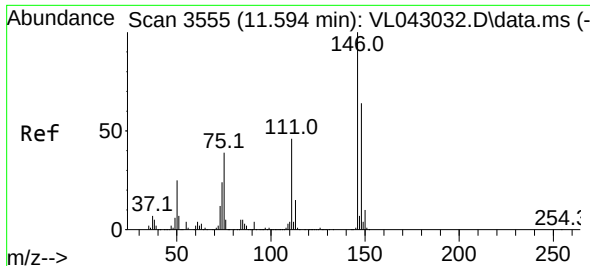
105 100

120 50.4 39.7 59.5

91 59.9 56.5 84.7

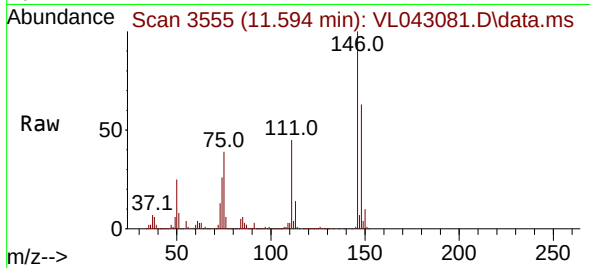
77 23.7 19.9 29.9





#75
1,3-Dichlorobenzene
Concen: 9.991 ppbv
RT: 11.594 min Scan# 3555
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

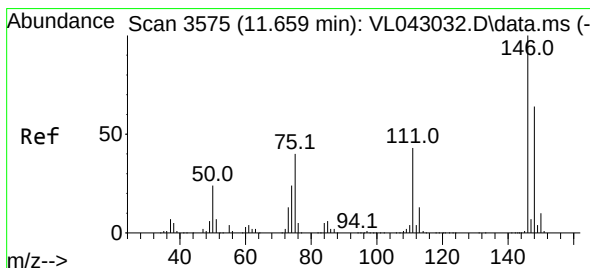
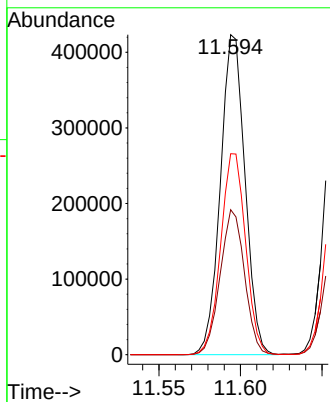
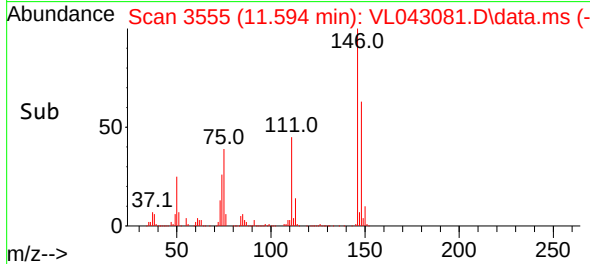
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



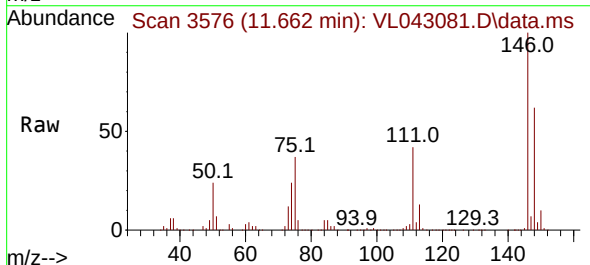
Tgt Ion:146 Resp: 443490
Ion Ratio Lower Upper
146 100
111 44.9 22.6 67.7
148 63.8 31.9 95.7

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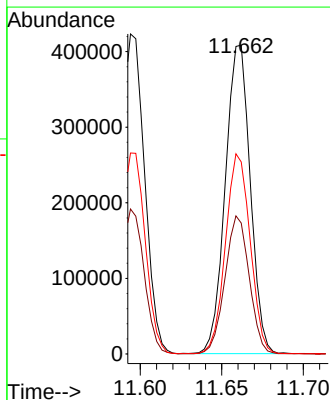
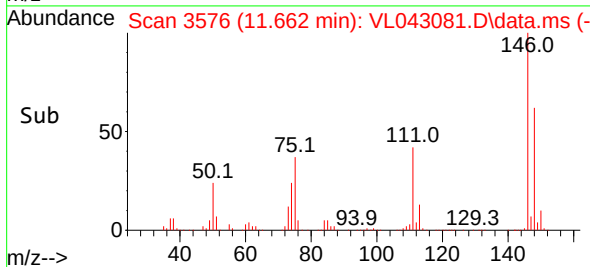
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

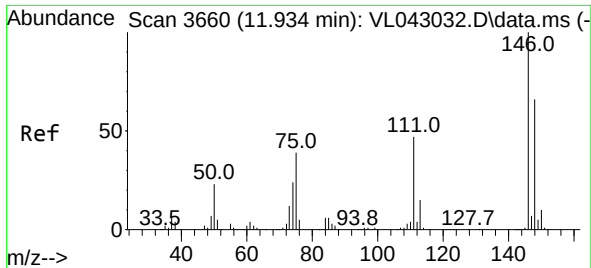


#76
1,4-Dichlorobenzene
Concen: 10.266 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. 0.003 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



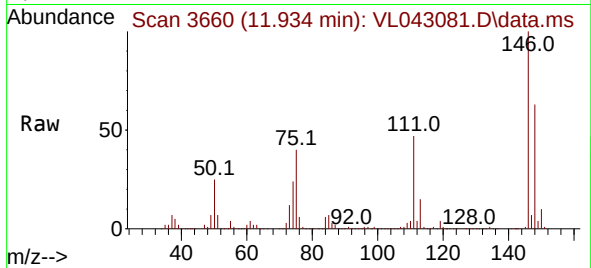
Tgt Ion:146 Resp: 434532
Ion Ratio Lower Upper
146 100
111 43.7 21.7 65.1
148 64.5 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 9.622 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

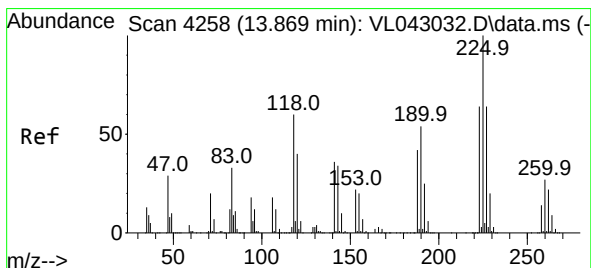
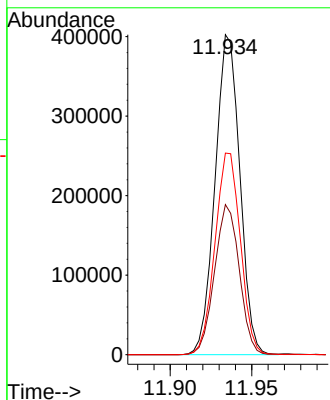
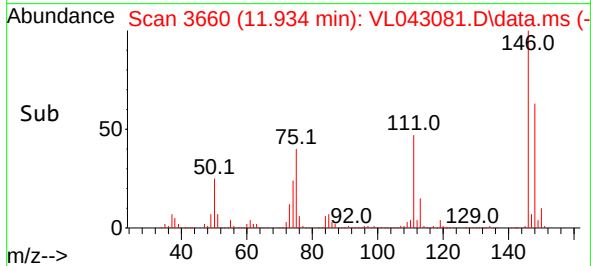
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



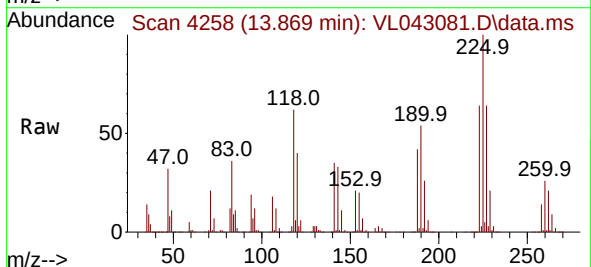
Tgt Ion:146 Resp: 425420
Ion Ratio Lower Upper
146 100
111 47.0 23.2 69.5
148 64.6 31.9 95.7

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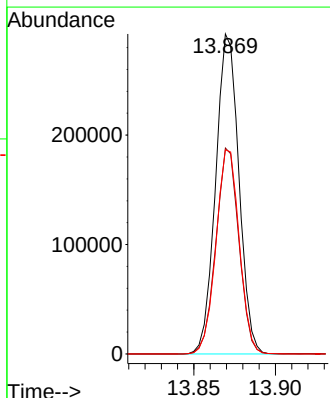
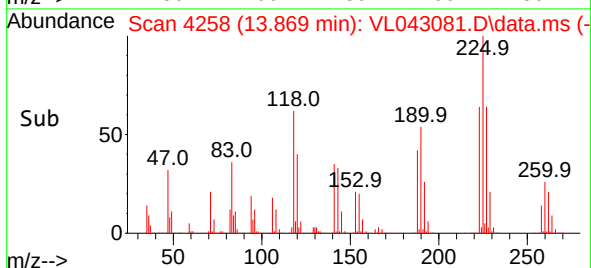
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

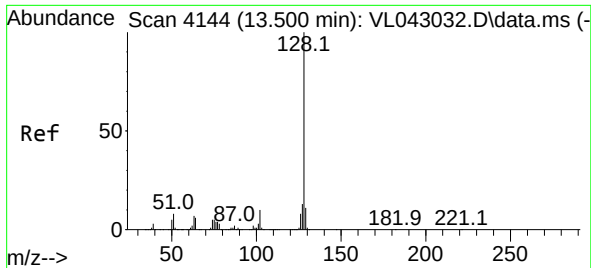


#78
Hexachloro-1,3-Butadiene
Concen: 9.400 ppbv
RT: 13.869 min Scan# 4258
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



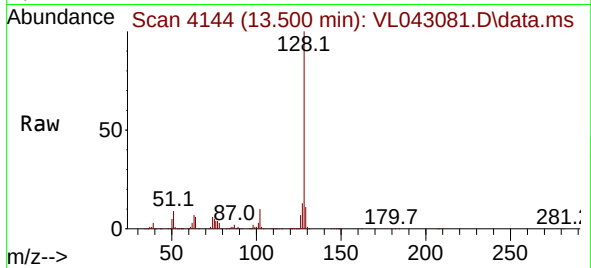
Tgt Ion:225 Resp: 289580
Ion Ratio Lower Upper
225 100
223 63.6 50.9 76.3
227 64.0 50.9 76.3





#79
Naphthalene
Concen: 9.489 ppbv
RT: 13.500 min Scan# 4144
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54

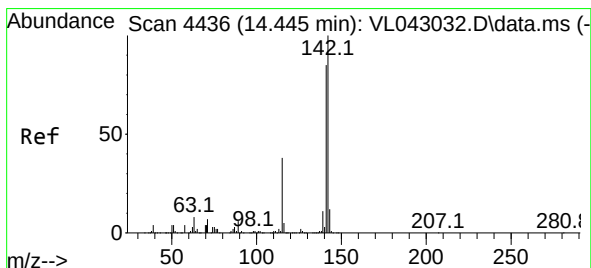
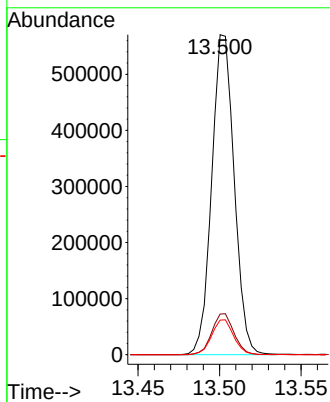
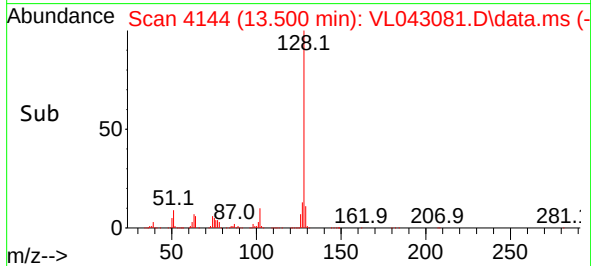
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABS01



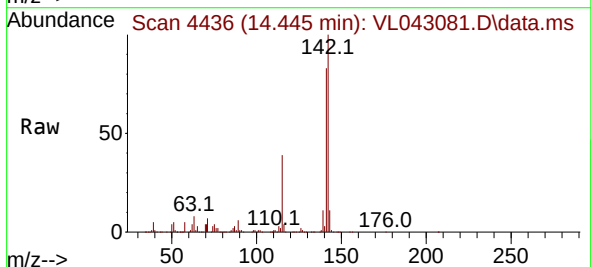
Tgt Ion:128 Resp: 547120
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.8 8.8 13.2

Manual Integrations
APPROVED

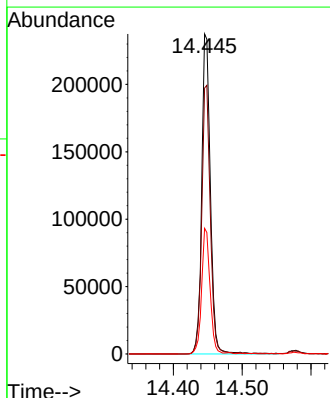
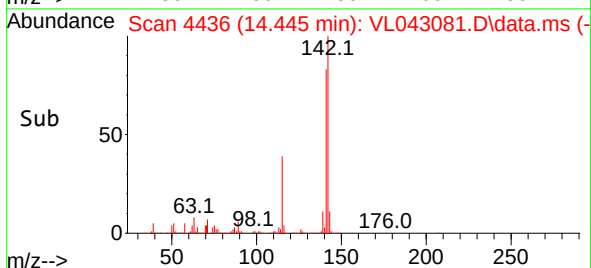
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

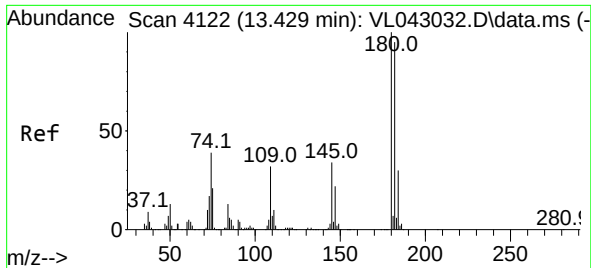


#80
Naphthalene,2-methyl-
Concen: 7.827 ppbv
RT: 14.445 min Scan# 4436
Delta R.T. 0.000 min
Lab File: VL043081.D
Acq: 09 Oct 2025 10:54



Tgt Ion:142 Resp: 207315
Ion Ratio Lower Upper
142 100
141 83.7 66.6 100.0
115 38.9 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 11.377 ppbv

RT: 13.429 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043081.D

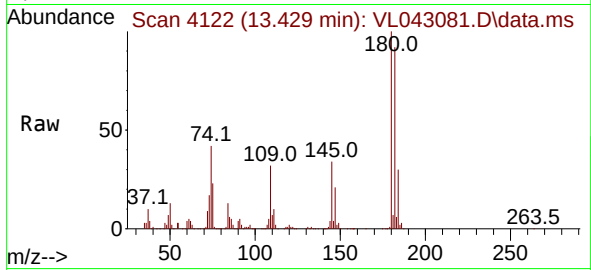
Acq: 09 Oct 2025 10:54

Instrument :

MSVOA_L

ClientSampleId :

VL1009ABS01



Tgt Ion:180 Resp: 299260

Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

184 29.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

