

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043112.D
 Acq On : 14 Oct 2025 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425

Manual Integrations APPROVED

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

Quant Time: Oct 15 02:14:28 2025

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	97563	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	325610	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	291676	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 229010 10.101 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	130726	9.425	ppbv	98
3) Chlorodifluoromethane	1.479	51	138956	9.260	ppbv	99
4) Chloromethane	1.538	50	48722	8.867	ppbv	96
5) Vinyl Chloride	1.583	62	47005	8.722	ppbv	97
6) Bromomethane	1.670	94	26304	8.901	ppbv	98
7) Chloroethane	1.709	64	19138	8.685	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	107147	9.558	ppbv	99
9) Propene	1.486	41	59287	8.908	ppbv	98
10) Heptane	4.991	43	165341	8.629	ppbv	99
11) Trichlorofluoromethane	1.881	101	132447	9.762	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	102449	9.380	ppbv	98
13) Ethanol	1.725	45	17659m	7.173	ppbv	
14) Bromoethene	1.787	108	37835	9.324	ppbv	100
15) Acetone	1.839	43	108010	8.214	ppbv	99
16) 1,3-Butadiene	1.612	39	55493	8.855	ppbv	98
17) tert-Butyl alcohol	2.043	59	162672	9.012	ppbv	97
18) 1,1-Dichloroethene	2.039	96	46544	9.774	ppbv	93
19) Isopropyl Alcohol	1.887	45	67552	8.248	ppbv	97
20) Methylene Chloride	2.065	84	40319	7.757	ppbv	89
21) Allyl Chloride	2.101	41	88965	9.181	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	51295	9.011	ppbv	93
23) Vinyl Acetate	2.467	43	185329	9.621	ppbv	98
24) 1,1-Dichloroethane	2.415	63	102877	9.355	ppbv	98
25) Ethyl Acetate	2.839	43	292399	8.966	ppbv	100
26) Hexane	2.832	57	135463	9.015	ppbv	97
27) Carbon Disulfide	2.156	76	131064	9.520	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	67260	9.839	ppbv	97
29) Chloroform	2.852	83	204925	9.412	ppbv	95
30) Cyclohexane	3.865	84	119287	9.096	ppbv	96
31) cis-1,2-Dichloroethene	2.725	61	137462	9.580	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	219167	9.666	ppbv	98
34) 2-Butanone	2.560	43	188755	8.624	ppbv	99
35) Carbon Tetrachloride	3.771	117	217678	9.298	ppbv	96
36) Benzene	3.664	78	278365	9.077	ppbv	97
37) 1,2-Dichloroethane	3.224	62	161750	9.156	ppbv	98
38) Trichloroethene	4.557	130	108261	8.453	ppbv	96
39) 1,2-Dichloropropane	4.321	63	100580	8.971	ppbv	96
40) 1,4-Dioxane	4.587	88	41464	8.265	ppbv #	95
41) Tetrahydrofuran	3.056	42	104701	8.553	ppbv	99
42) Bromodichloromethane	4.496	83	228288	9.336	ppbv	96
43) Methyl Methacrylate	4.884	69	138593	8.898	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	452117	8.738	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	142964	9.146	ppbv	100

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Manual Integrations
 APPROVED

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

Quant Time: Oct 15 02:14:28 2025

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

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

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

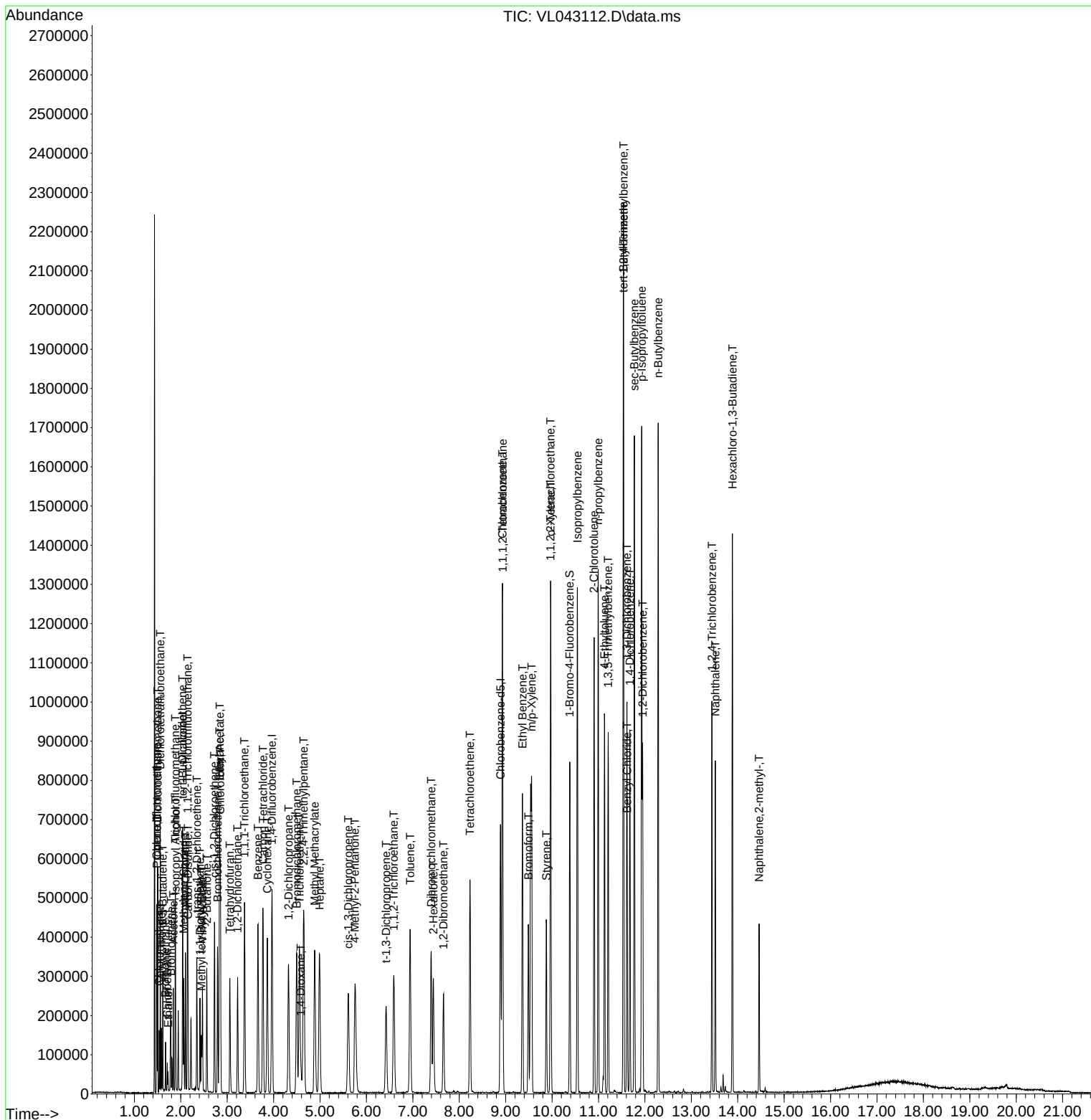
Response via : Initial Calibration

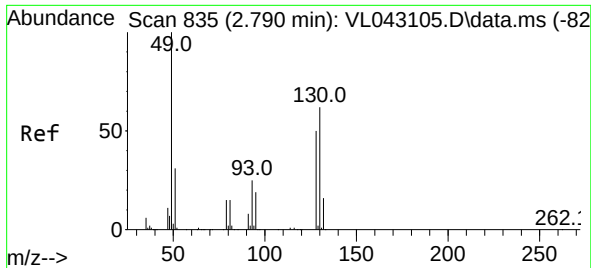
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	170038	9.106	ppbv	95
47) 1,1,2-Trichloroethane	6.590	97	108965	9.000	ppbv	96
48) Dibromochloromethane	7.396	129	184757	9.127	ppbv	100
49) Bromoform	9.490	173	147759	8.980	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	263070	8.709	ppbv	100
51) 2-Hexanone	7.441	43	203876	8.999	ppbv #	99
52) Tetrachloroethene	8.231	164	96000	8.681	ppbv	97
53) Toluene	6.943	91	324944	8.928	ppbv	100
54) 1,2-Dibromoethane	7.661	107	167936	8.856	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	166059	9.031	ppbv	98
57) Chlorobenzene	8.930	112	239309	8.770	ppbv	99
58) Ethyl Benzene	9.361	91	450029	8.990	ppbv	99
59) m/p-Xylene	9.558	91	715191m	17.913	ppbv	
60) o-Xylene	9.969	91	348346	8.834	ppbv	100
61) Styrene	9.878	104	161979	9.099	ppbv	98
62) Isopropylbenzene	10.545	105	621758	8.726	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	215911	8.177	ppbv	100
64) n-propylbenzene	10.995	120	160411	8.503	ppbv	94
65) tert-Butylbenzene	11.536	119	532570	8.464	ppbv	98
66) Benzyl Chloride	11.620	91	58169	8.306	ppbv	98
67) sec-Butylbenzene	11.772	105	762711	8.541	ppbv	98
69) p-Isopropyltoluene	11.930	119	638261	8.411	ppbv	99
70) n-Butylbenzene	12.286	91	641547	8.579	ppbv	99
71) 2-Chlorotoluene	10.904	91	479799	8.828	ppbv	99
72) 4-Ethyltoluene	11.128	105	427034	8.807	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	354875	8.874	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	372506	8.324	ppbv	92
75) 1,3-Dichlorobenzene	11.610	146	219423	8.454	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	221364	8.458	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	204178	8.132	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	144646	7.440	ppbv	99
79) Naphthalene	13.516	128	389814	8.334	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	123632	10.146	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	162553	8.373	ppbv	98

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

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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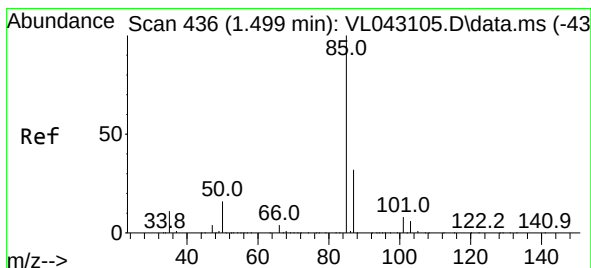
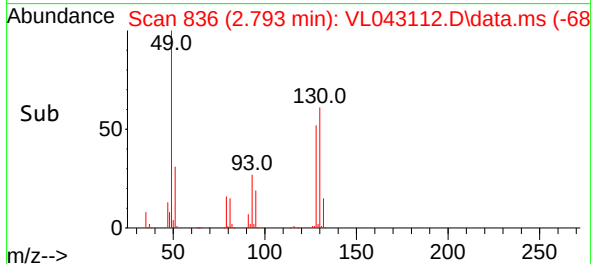
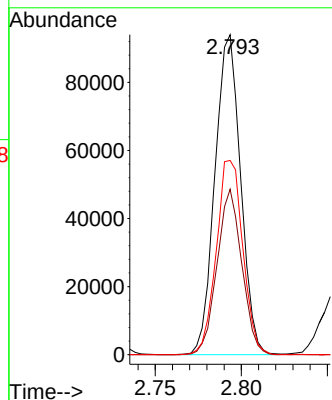
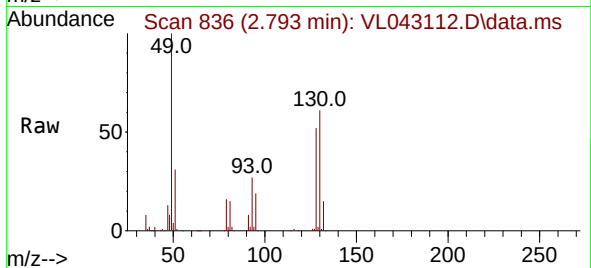
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 49 Resp: 9756
Ion Ratio Lower Upper
49 100
128 50.0 24.4 73.4
130 62.8 31.0 93.0

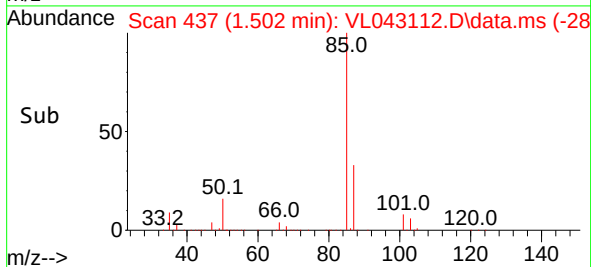
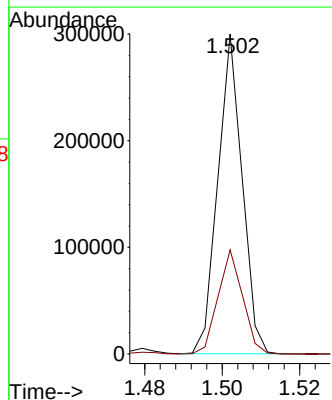
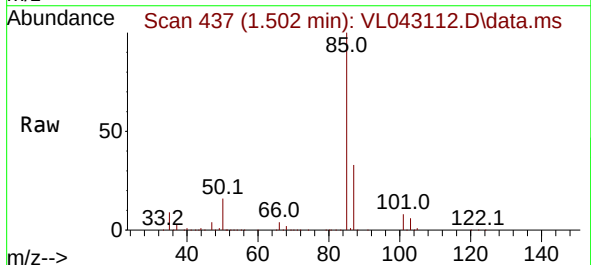
Manual Integrations
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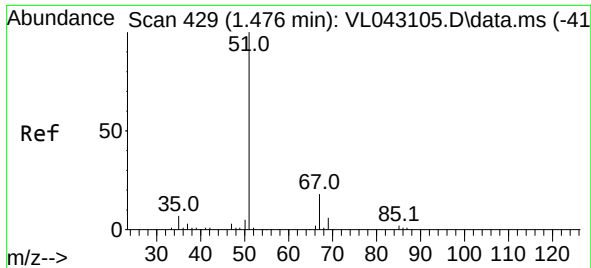
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#2
Dichlorodifluoromethane
Concen: 9.425 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 85 Resp: 130726
Ion Ratio Lower Upper
85 100
87 32.6 25.3 37.9





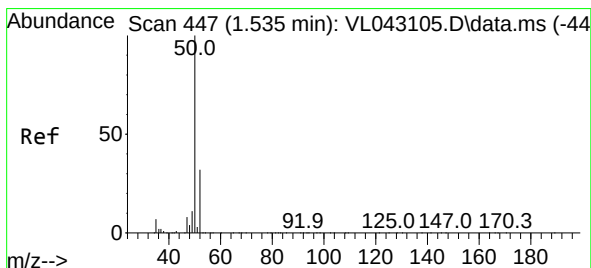
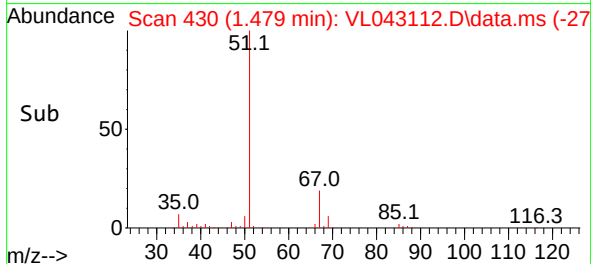
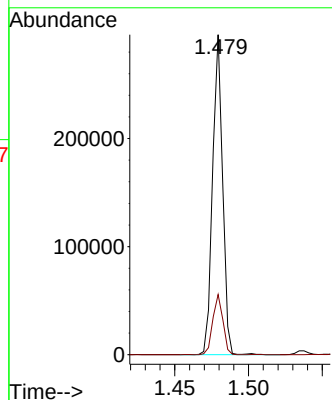
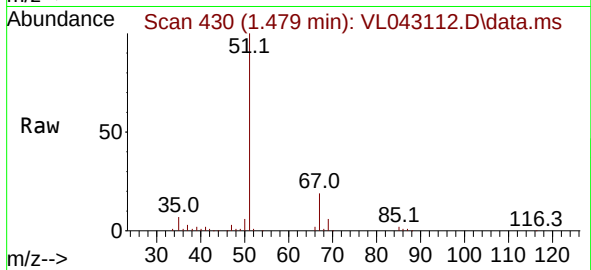
#3
Chlorodifluoromethane
Concen: 9.260 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 51 Resp: 138950
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7

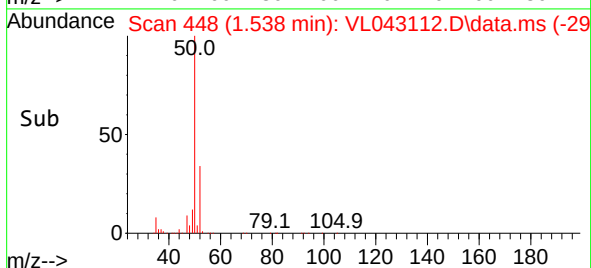
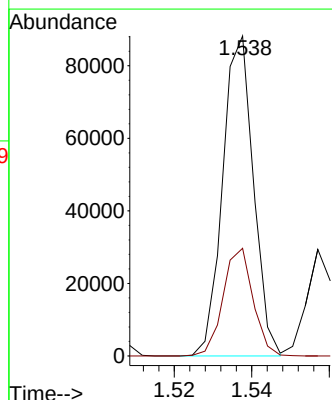
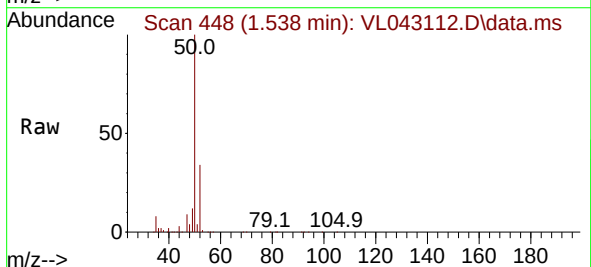
Manual Integrations
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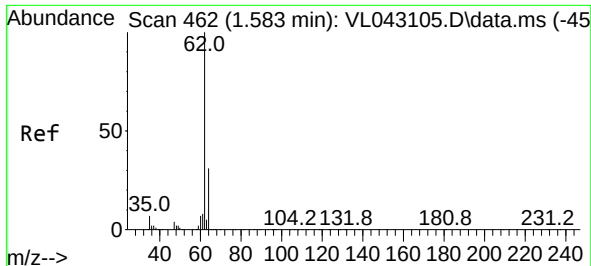
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#4
Chloromethane
Concen: 8.867 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

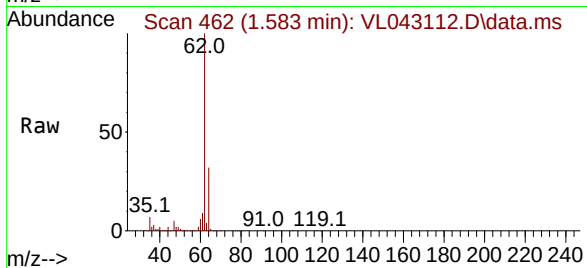
Tgt Ion: 50 Resp: 48722
Ion Ratio Lower Upper
50 100
52 33.4 25.2 37.8





#5
 Vinyl Chloride
 Concen: 8.722 ppbv
 RT: 1.583 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

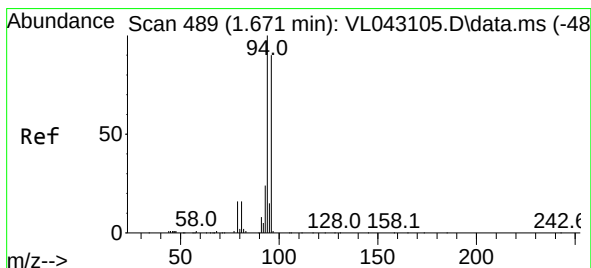
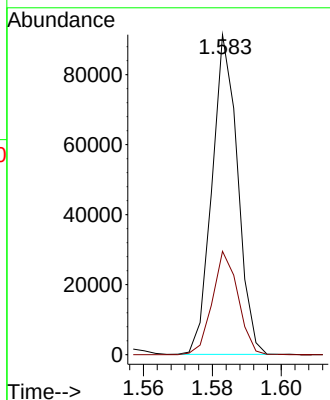
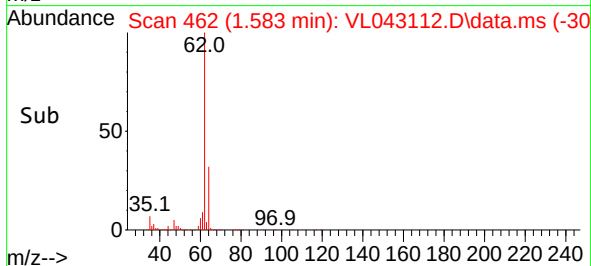
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



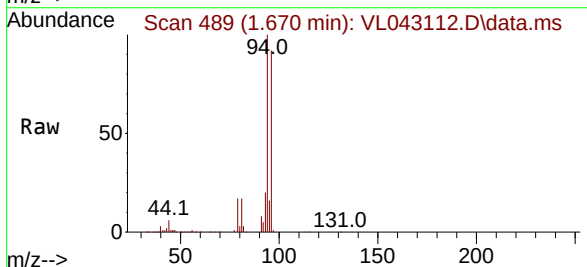
Tgt Ion: 62 Resp: 4700
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.6 36.8

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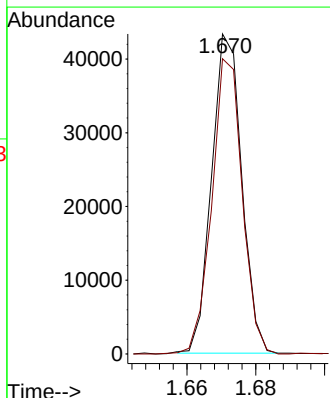
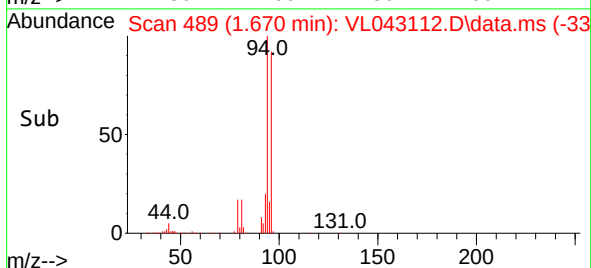
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

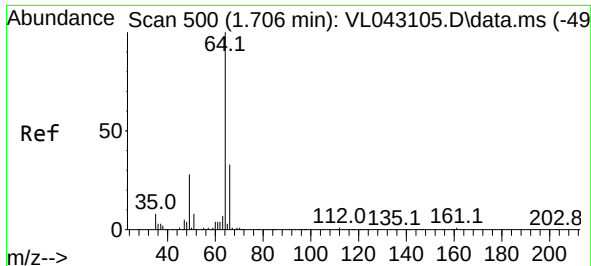


#6
 Bromomethane
 Concen: 8.901 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51



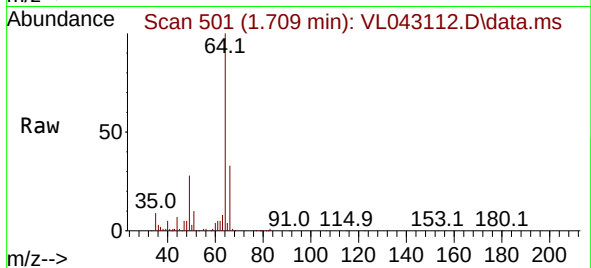
Tgt Ion: 94 Resp: 26304
 Ion Ratio Lower Upper
 94 100
 96 92.5 72.2 108.4





#7
Chloroethane
Concen: 8.685 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

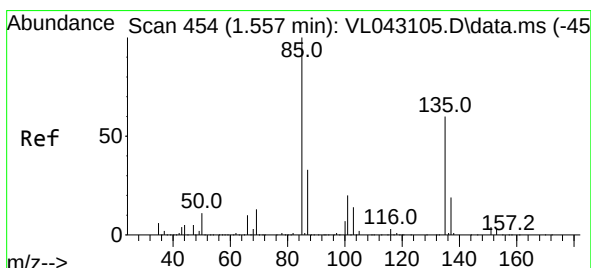
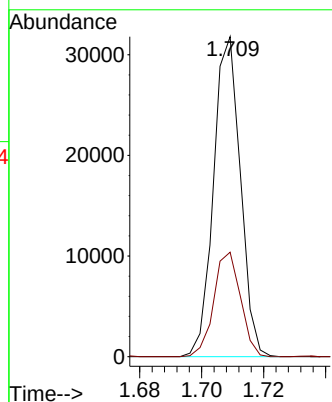
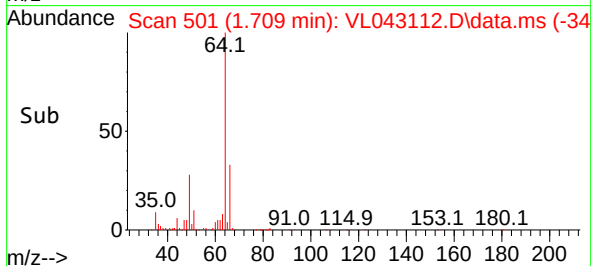
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



Tgt Ion: 64 Resp: 19138
Ion Ratio Lower Upper
64 100
66 32.7 26.0 39.0

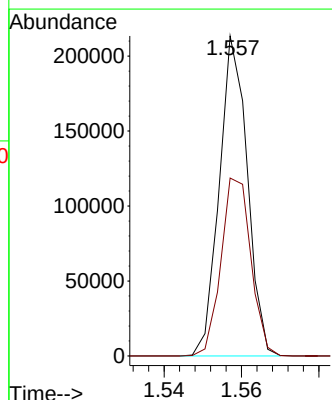
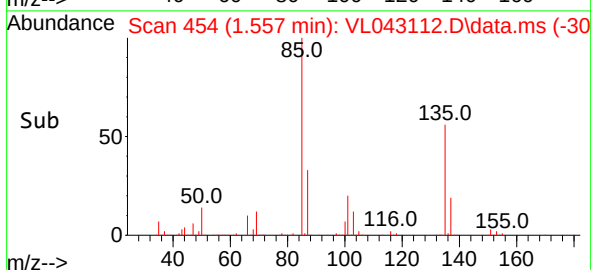
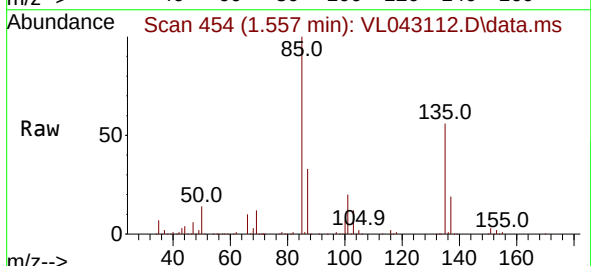
Manual Integrations
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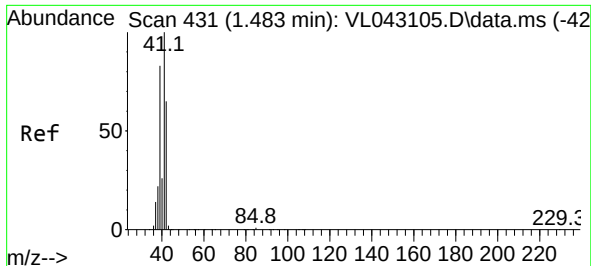
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#8
Dichlorotetrafluoroethane
Concen: 9.558 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

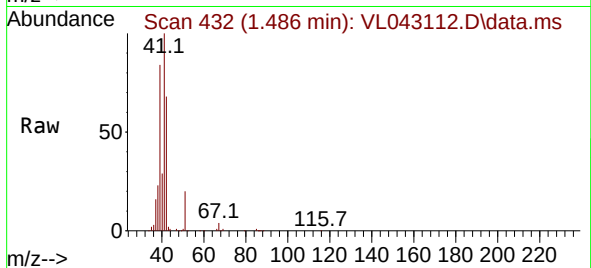
Tgt Ion: 85 Resp: 107147
Ion Ratio Lower Upper
85 100
135 59.5 48.2 72.4





#9
 Propene
 Concen: 8.908 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

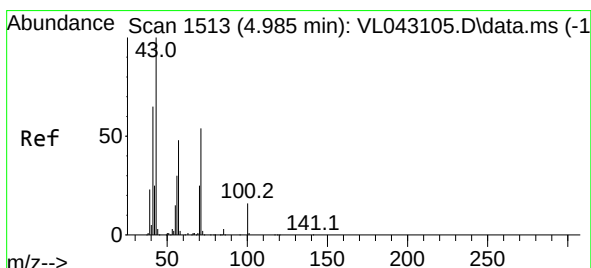
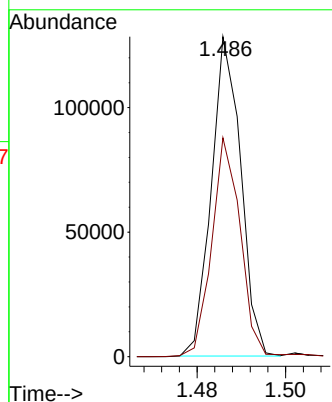
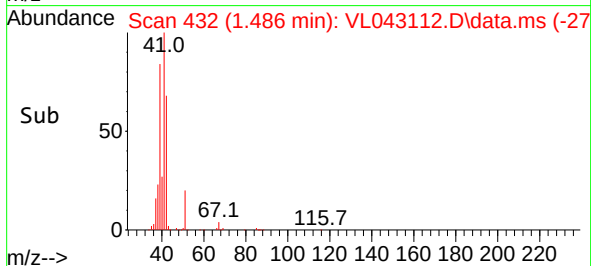
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



Tgt Ion: 41 Resp: 5928
 Ion Ratio Lower Upper
 41 100
 42 67.3 55.1 82.7

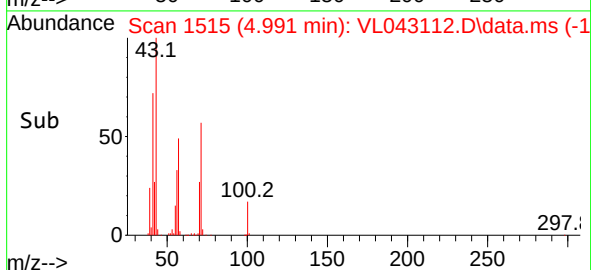
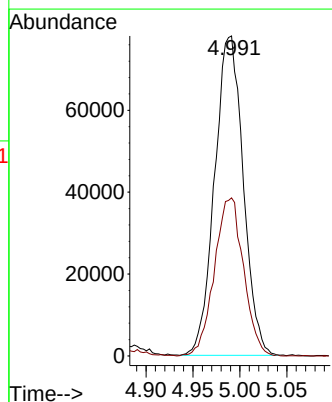
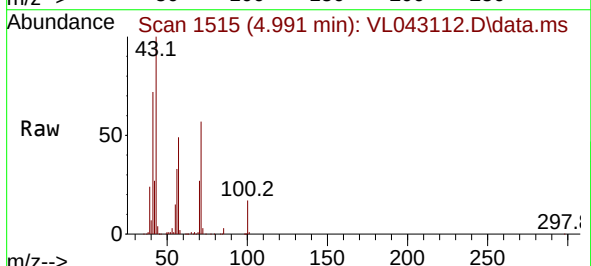
Manual Integrations
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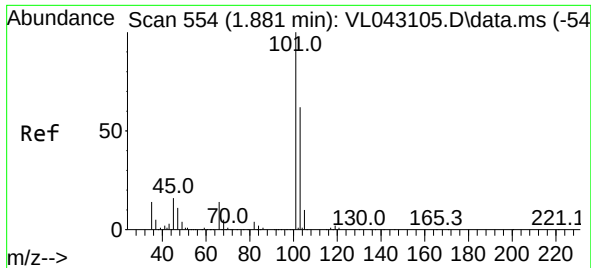
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#10
 Heptane
 Concen: 8.629 ppbv
 RT: 4.991 min Scan# 1515
 Delta R.T. 0.006 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

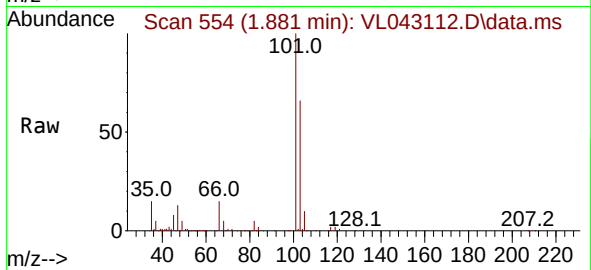
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 Ion Ratio Lower Upper
 43 100
 57 50.4 40.8 61.2





#11
 Trichlorofluoromethane
 Concen: 9.762 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

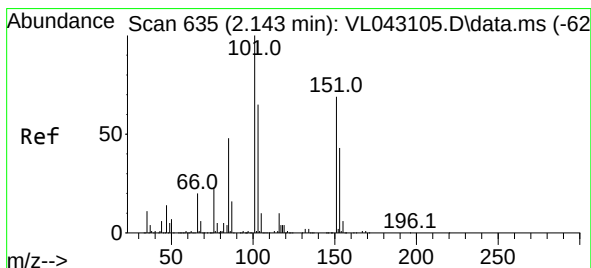
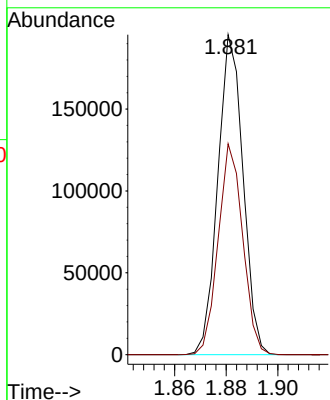
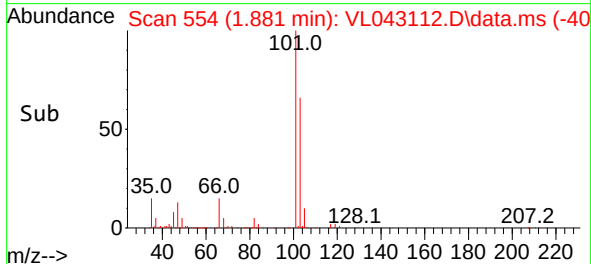
Instrument : MSVOA_L
 ClientSampleId : ICVVL101425



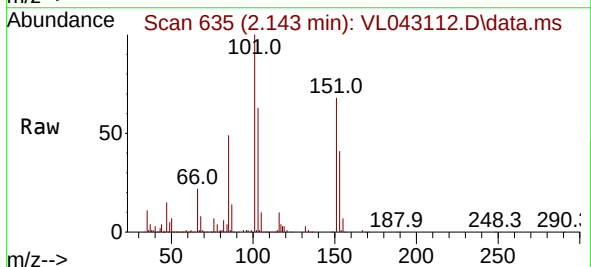
Tgt Ion:101 Resp: 13244
 Ion Ratio Lower Upper
 101 100
 103 65.9 49.3 73.9

Manual Integrations
 APPROVED

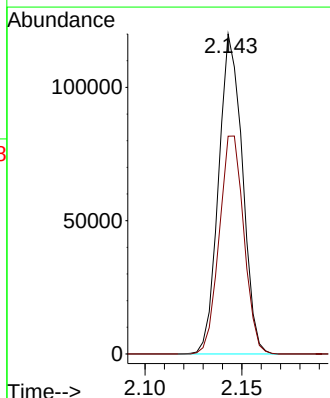
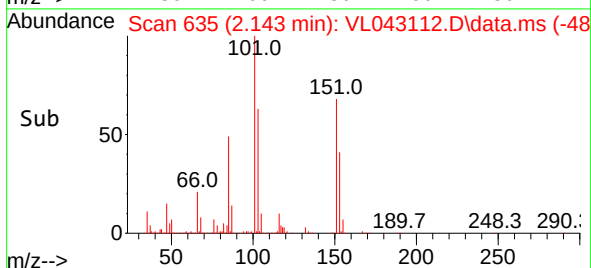
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

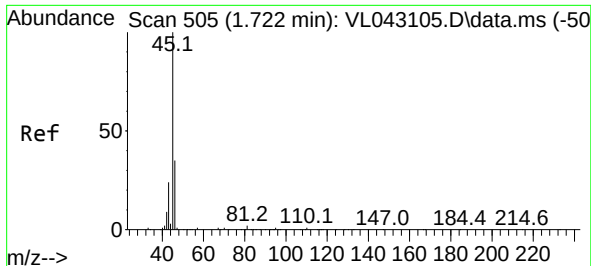


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.380 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51



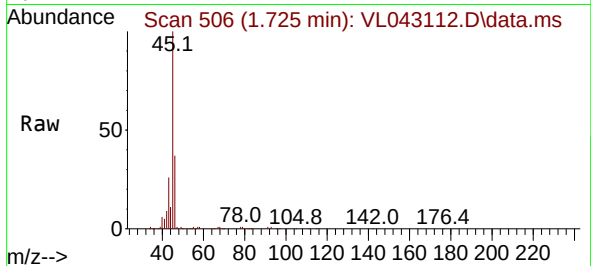
Tgt Ion:101 Resp: 102449
 Ion Ratio Lower Upper
 101 100
 151 70.4 54.7 82.1





#13
Ethanol
Concen: 7.173 ppbv m
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

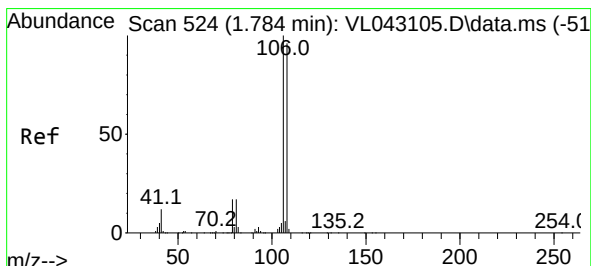
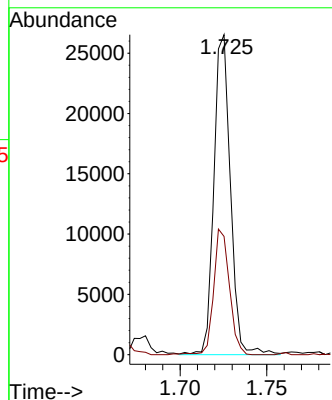
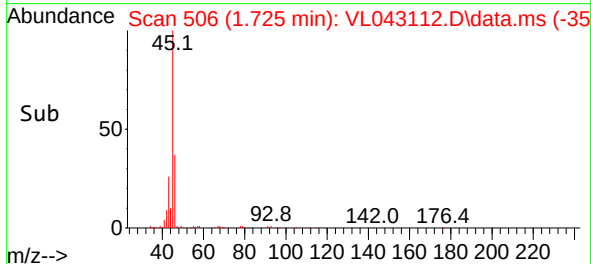
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



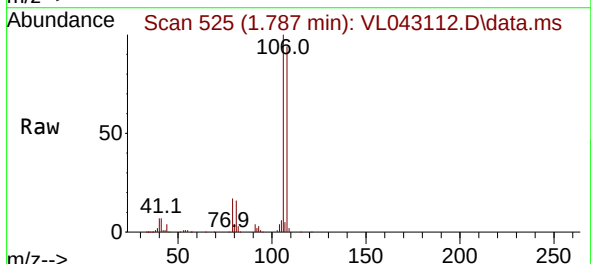
Tgt Ion: 45 Resp: 17659
Ion Ratio Lower Upper
45 100
46 37.4 14.7 58.9

Manual Integrations
APPROVED

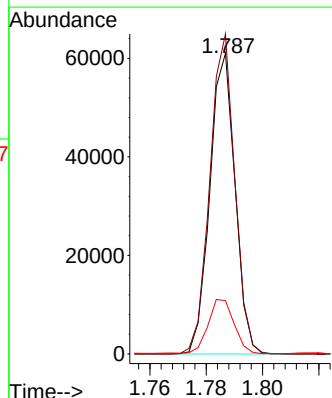
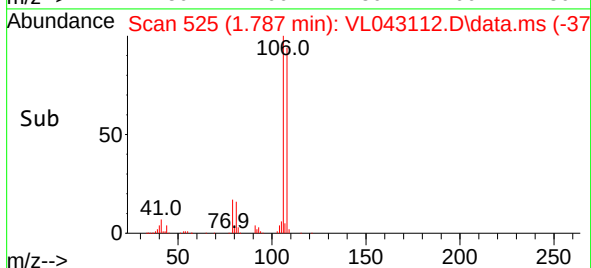
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

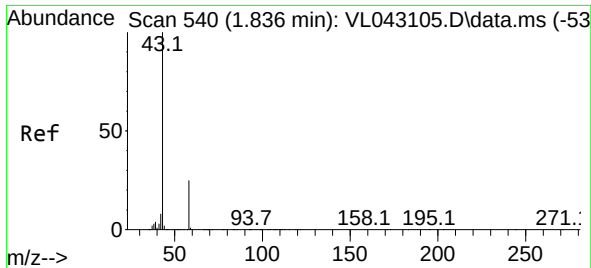


#14
Bromoethene
Concen: 9.324 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



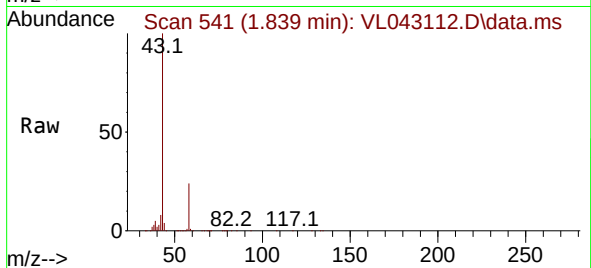
Tgt Ion:108 Resp: 37835
Ion Ratio Lower Upper
108 100
106 105.3 84.4 126.6
79 18.7 15.3 22.9





#15
Acetone
Concen: 8.214 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

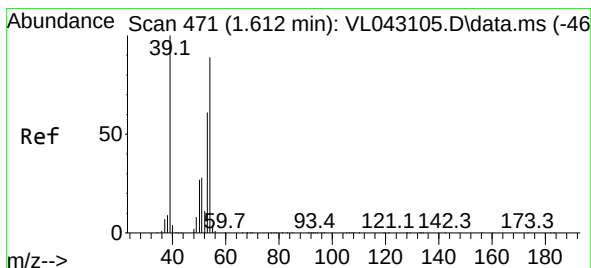
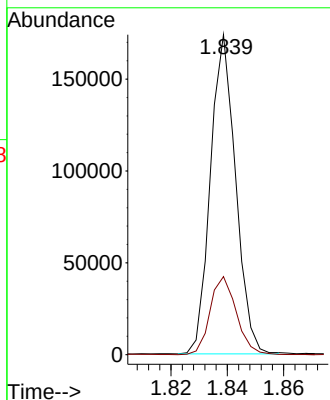
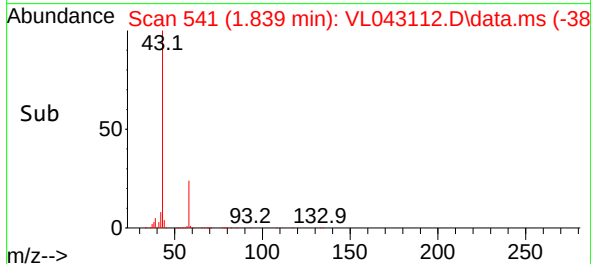
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



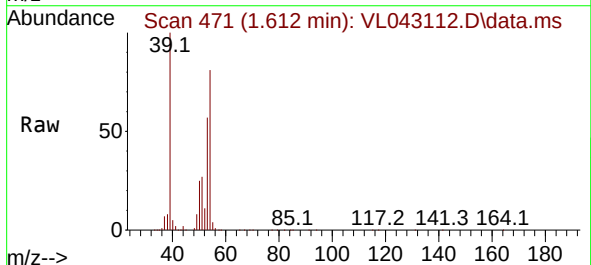
Tgt Ion: 43 Resp: 108010
Ion Ratio Lower Upper
43 100
58 25.7 20.8 31.2

Manual Integrations
APPROVED

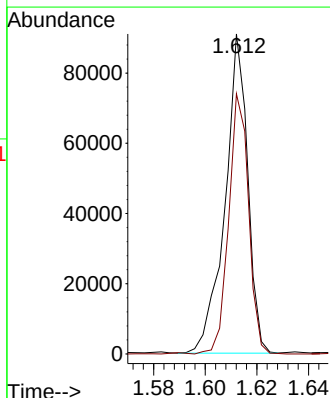
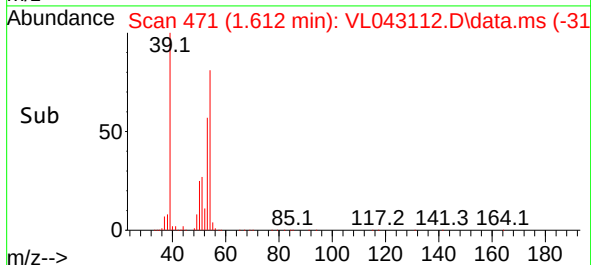
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

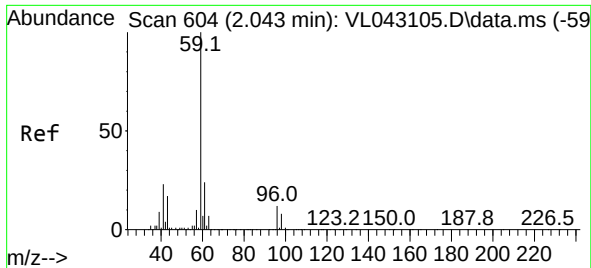


#16
1,3-Butadiene
Concen: 8.855 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion: 39 Resp: 55493
Ion Ratio Lower Upper
39 100
54 72.0 59.0 88.4





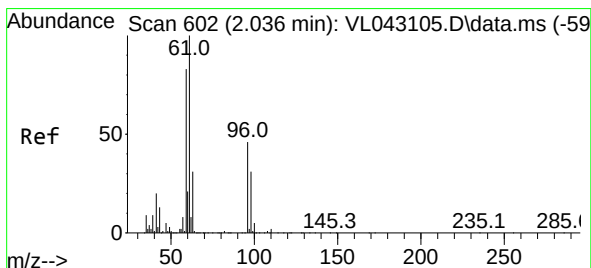
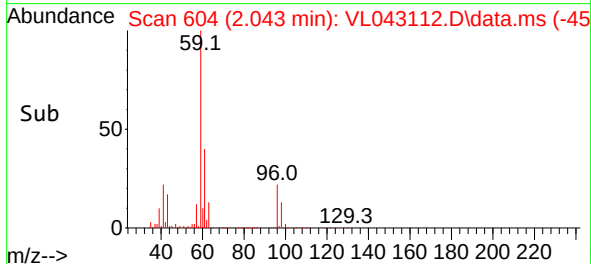
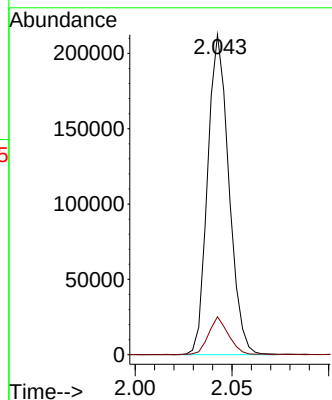
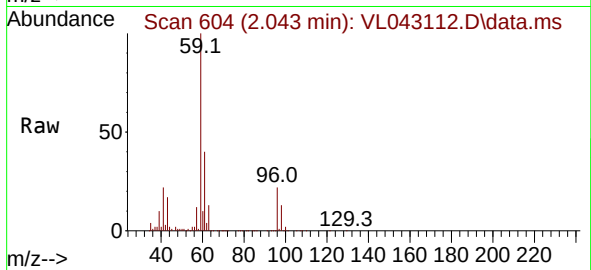
#17
tert-Butyl alcohol
Concen: 9.012 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument : MSVOA_L
Client Sample Id : ICVVL101425

Tgt Ion: 59 Resp: 162672
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.4

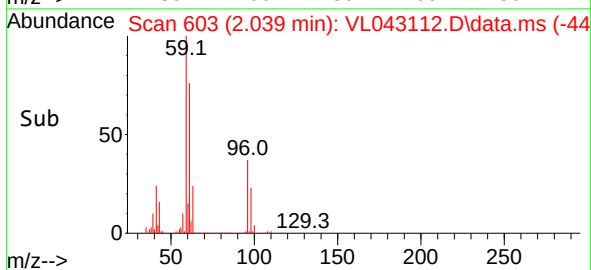
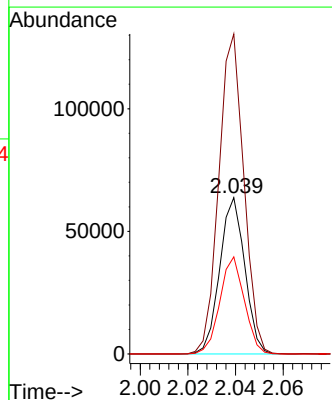
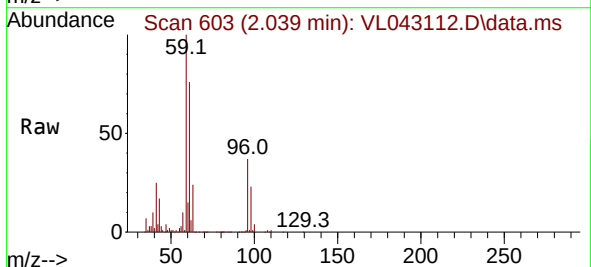
Manual Integrations
APPROVED

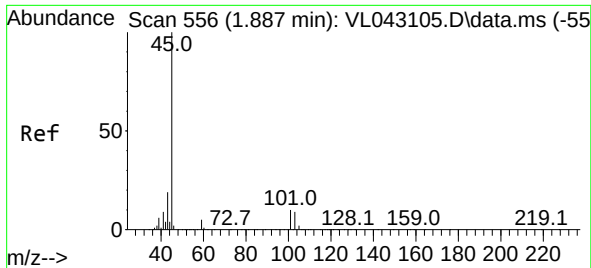
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#18
1,1-Dichloroethene
Concen: 9.774 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

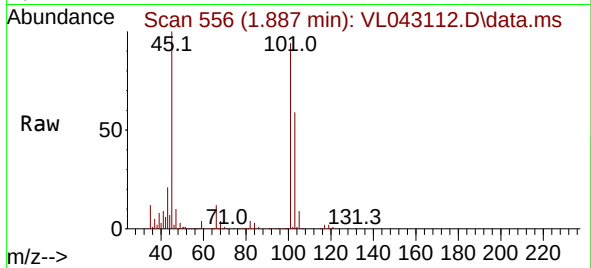
Tgt Ion: 96 Resp: 46544
Ion Ratio Lower Upper
96 100
61 204.7 173.4 260.0
98 62.1 53.2 79.8





#19
Isopropyl Alcohol
Concen: 8.248 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

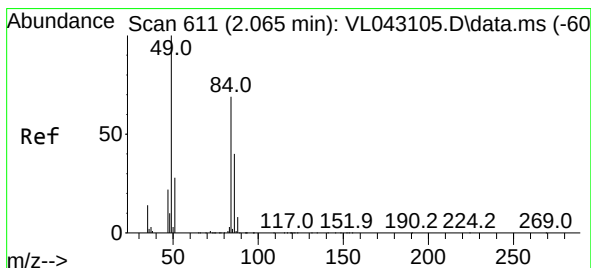
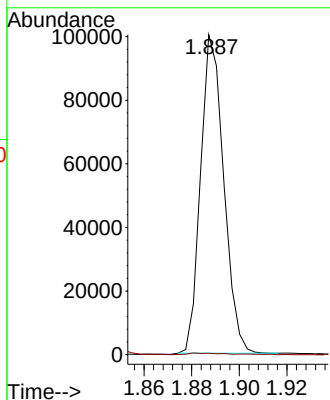
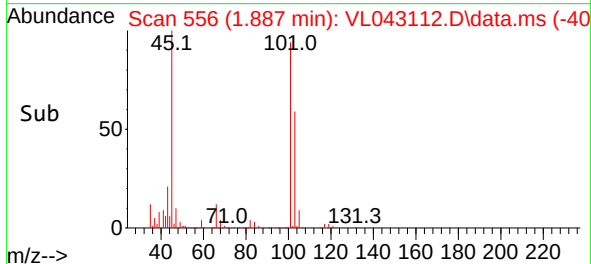
Instrument : MSVOA_L
ClientSampleId : ICVVL101425



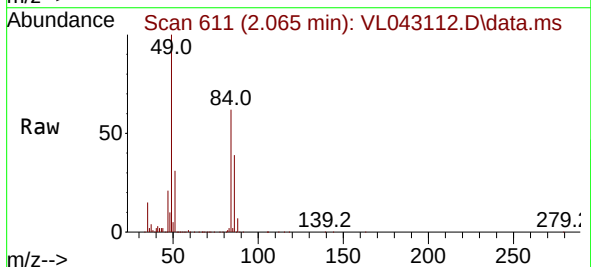
Tgt Ion: 45 Resp: 67552
Ion Ratio Lower Upper
45 100
58 41.1 31.3 46.9

Manual Integrations
APPROVED

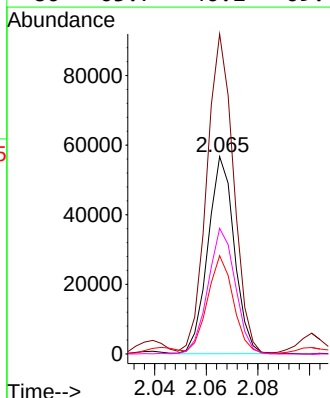
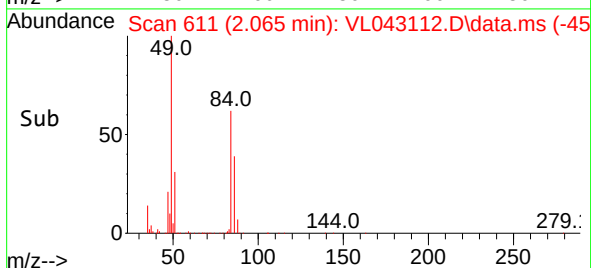
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

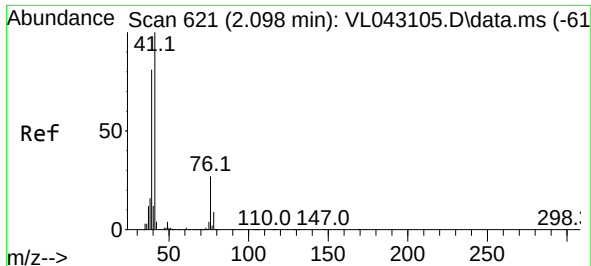


#20
Methylene Chloride
Concen: 7.757 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion: 84 Resp: 40319
Ion Ratio Lower Upper
84 100
49 161.4 116.6 175.0
51 49.4 34.8 52.2
86 63.7 46.2 69.4





#21
 Allyl Chloride
 Concen: 9.181 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

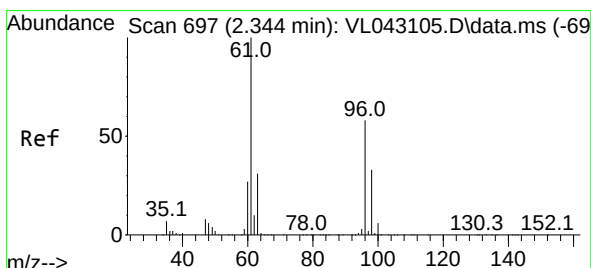
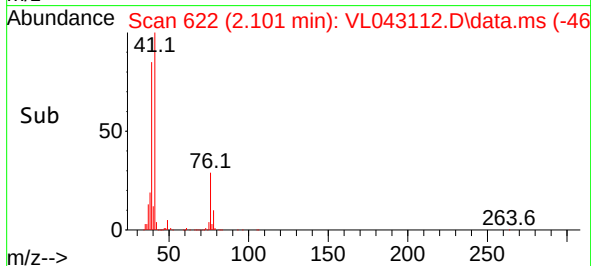
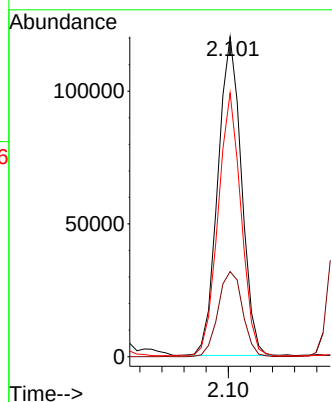
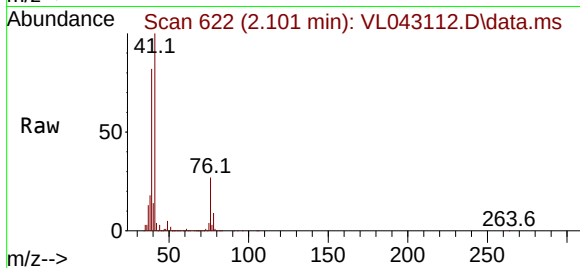
ClientSampleId :

ICVVL101425

Tgt Ion: 41 Resp: 8896
 Ion Ratio Lower Upper
 41 100
 76 27.7 21.5 32.3
 39 80.2 60.8 91.2

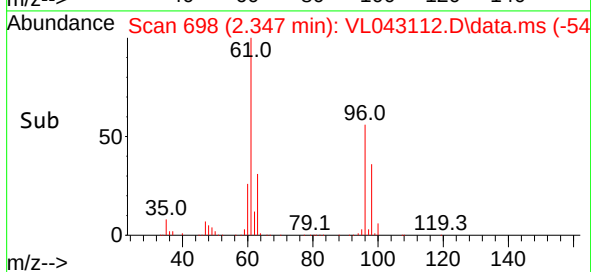
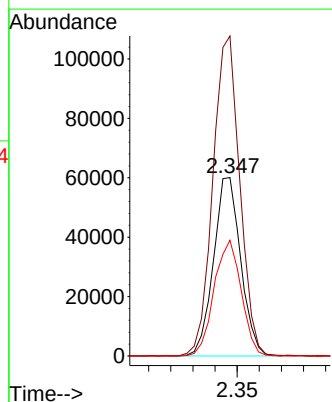
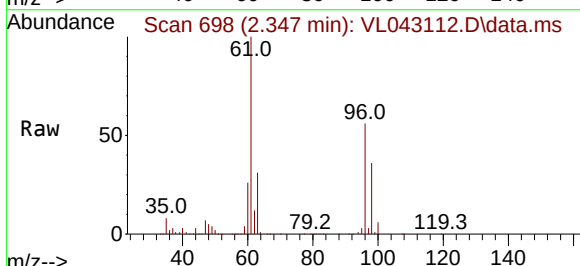
Manual Integrations
 APPROVED

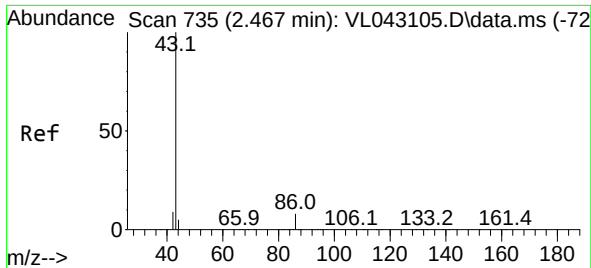
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.011 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

Tgt Ion: 96 Resp: 51295
 Ion Ratio Lower Upper
 96 100
 61 179.2 137.0 205.6
 98 64.8 45.5 68.3





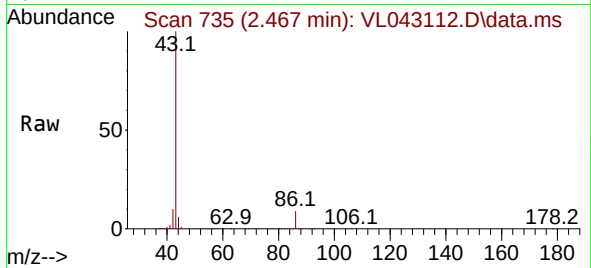
#23
 Vinyl Acetate
 Concen: 9.621 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

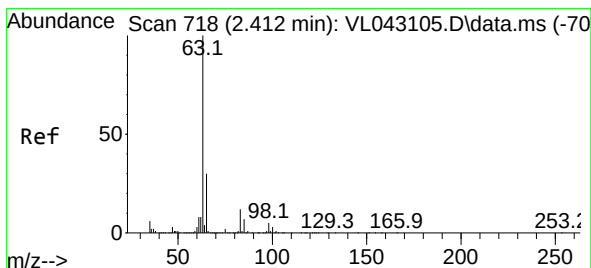
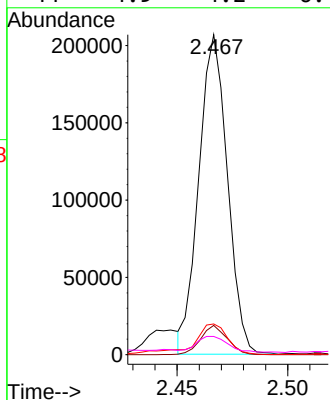
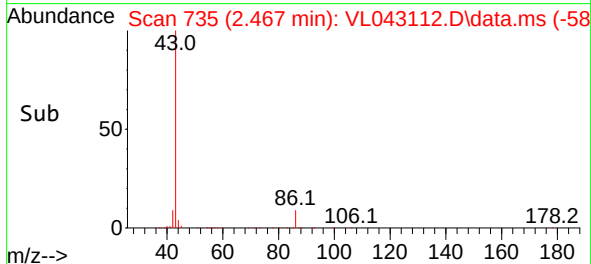


Tgt Ion: 43 Resp: 185329
 Ion Ratio Lower Upper
 43 100
 86 9.2 6.2 9.2
 42 9.5 7.6 11.4
 44 4.9 4.2 6.4

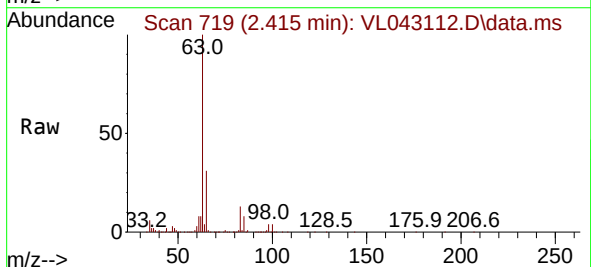
Manual Integrations

APPROVED

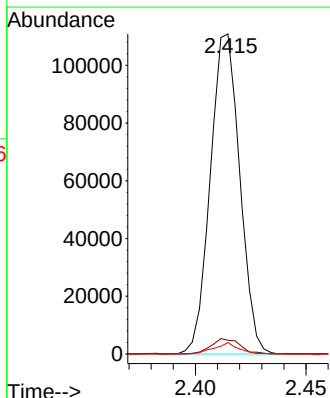
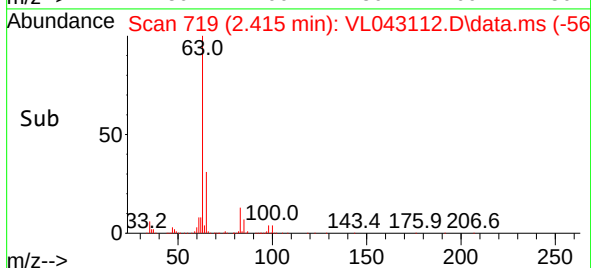
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

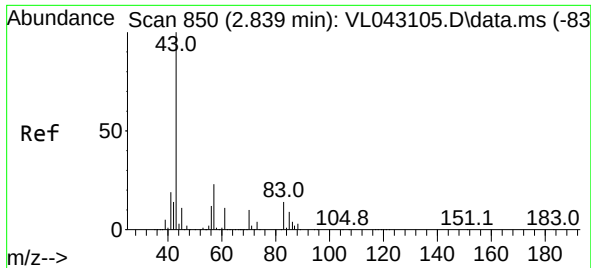


#24
 1,1-Dichloroethane
 Concen: 9.355 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51



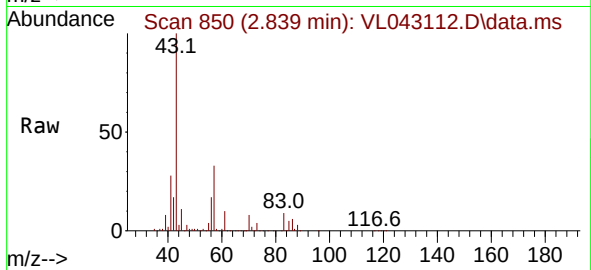
Tgt Ion: 63 Resp: 102877
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.6 7.8
 100 3.5 1.5 4.4





#25
Ethyl Acetate
Concen: 8.966 ppbv
RT: 2.839 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

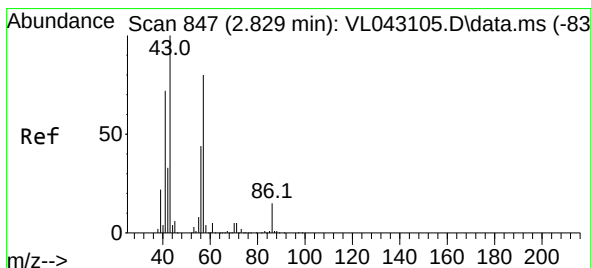
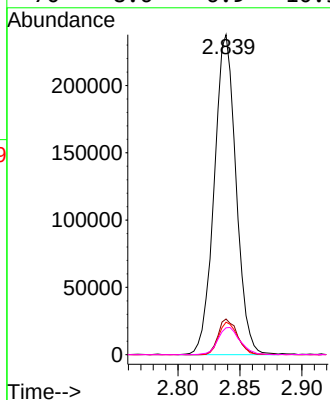
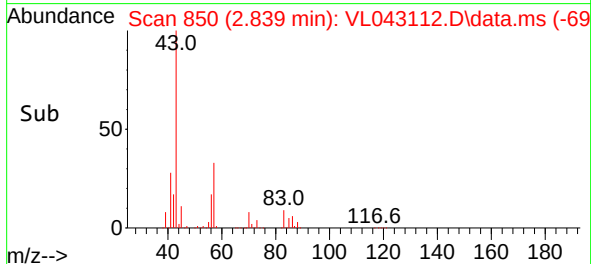
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



Tgt Ion: 43 Resp: 292399
Ion Ratio Lower Upper
43 100
45 10.0 7.8 11.8
61 9.0 7.0 10.6
70 8.6 6.9 10.3

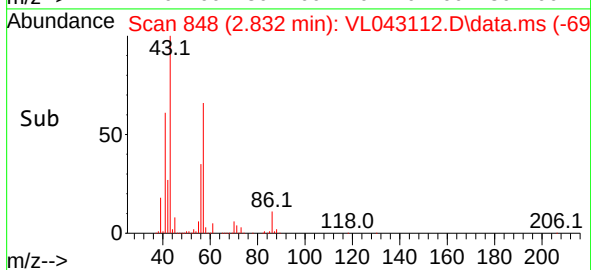
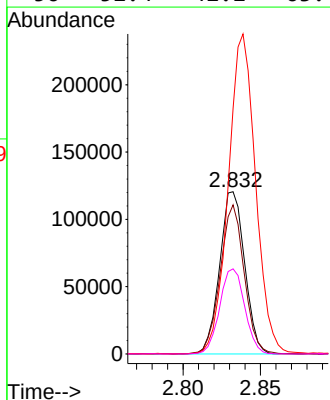
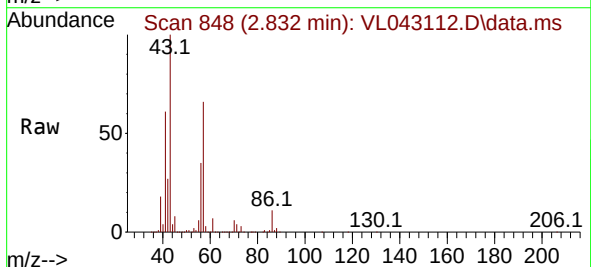
Manual Integrations
APPROVED

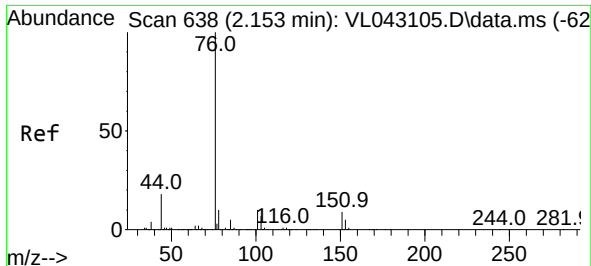
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#26
Hexane
Concen: 9.015 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

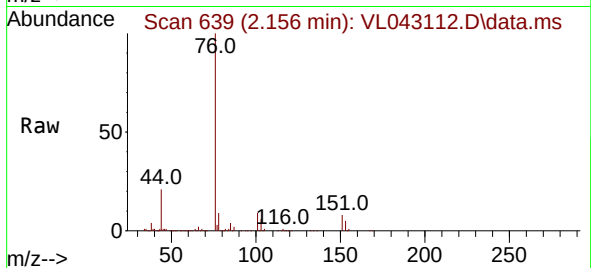
Tgt Ion: 57 Resp: 135463
Ion Ratio Lower Upper
57 100
41 88.9 71.4 107.0
43 216.8 178.5 267.7
56 52.4 42.2 63.4





#27
Carbon Disulfide
Concen: 9.520 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

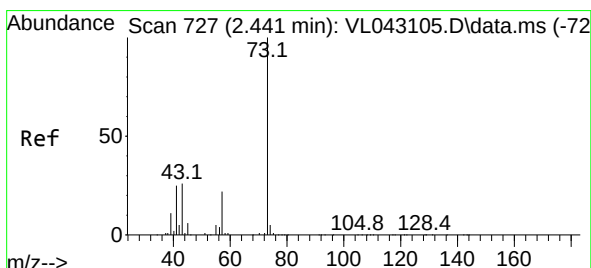
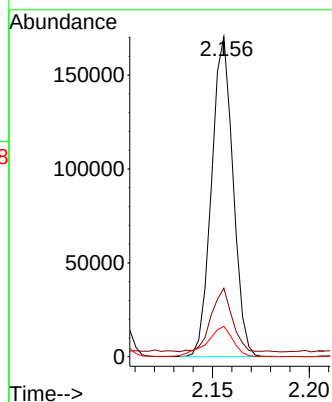
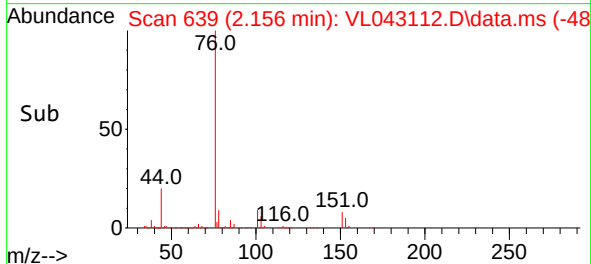
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



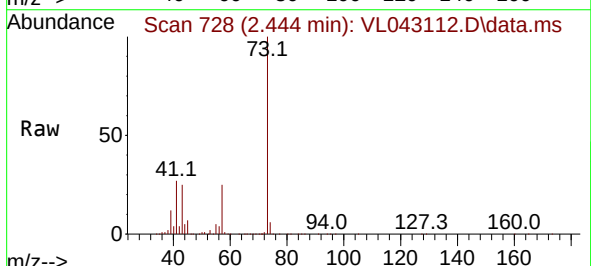
Tgt Ion: 76 Resp: 131064
Ion Ratio Lower Upper
76 100
44 20.7 16.7 25.1
78 11.7 9.3 13.9

Manual Integrations
APPROVED

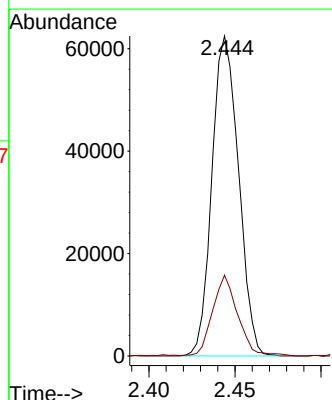
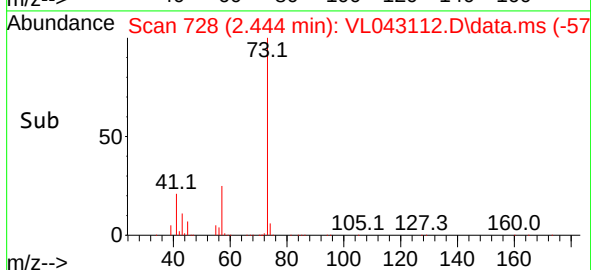
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

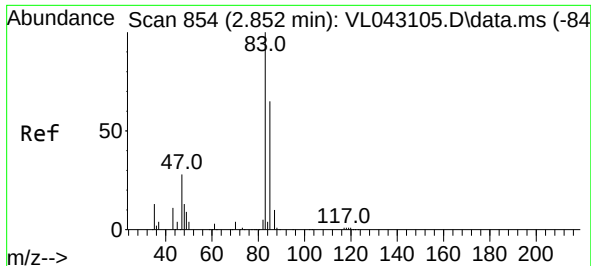


#28
Methyl tert-Butyl Ether
Concen: 9.839 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion: 73 Resp: 67260
Ion Ratio Lower Upper
73 100
57 24.1 20.5 30.7





#29

Chloroform

Concen: 9.412 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

Tgt Ion: 83 Resp: 204925

Ion Ratio Lower Upper

83 100

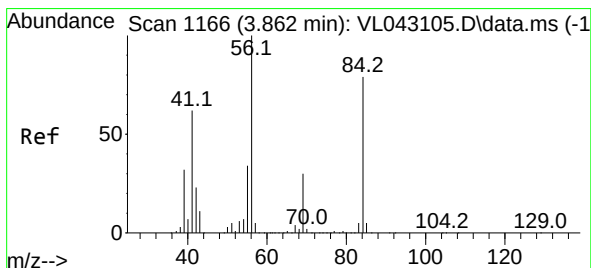
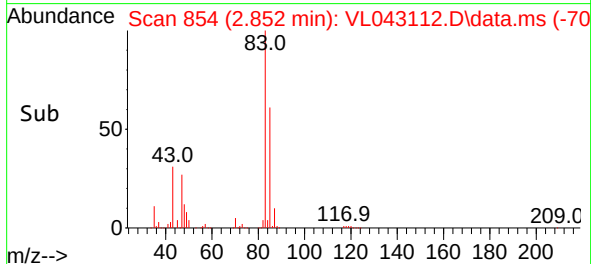
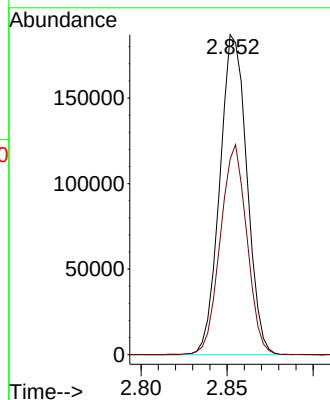
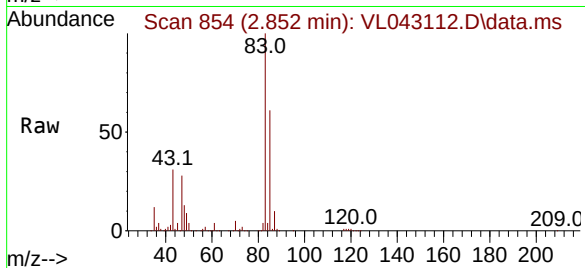
85 61.0 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#30

Cyclohexane

Concen: 9.096 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

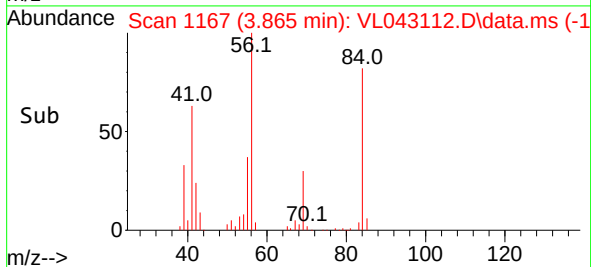
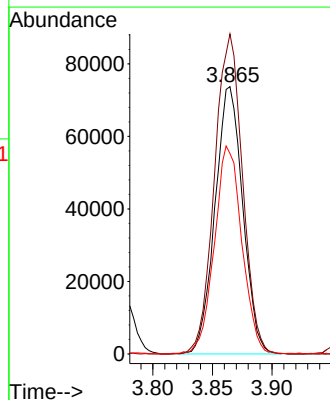
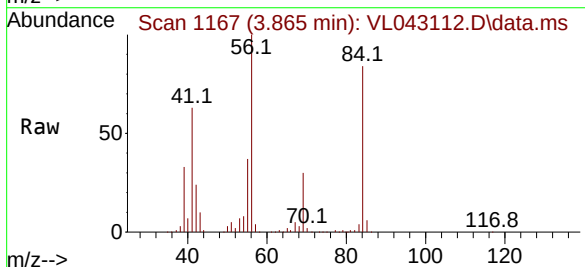
Tgt Ion: 84 Resp: 119287

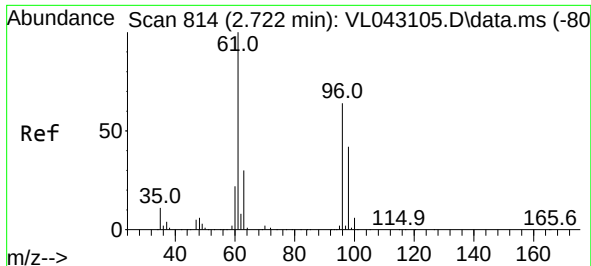
Ion Ratio Lower Upper

84 100

56 120.8 100.9 151.3

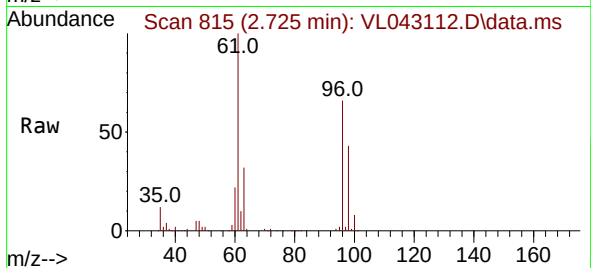
41 77.4 63.8 95.6





#31
 cis-1,2-Dichloroethene
 Concen: 9.580 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

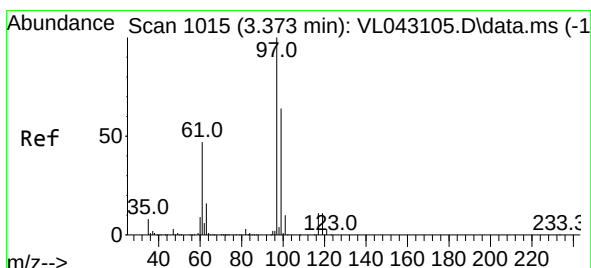
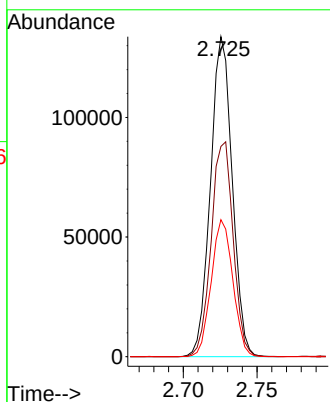
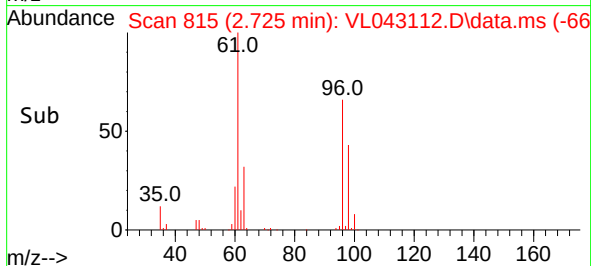
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



Tgt Ion: 61 Resp: 137462
 Ion Ratio Lower Upper
 61 100
 96 65.7 51.0 76.6
 98 42.8 33.5 50.3

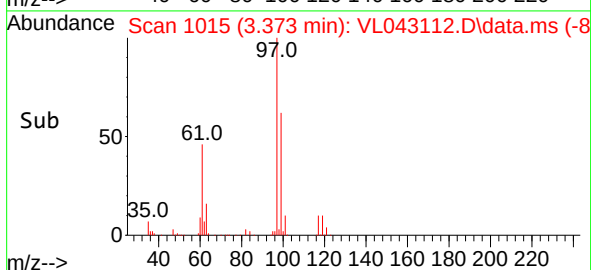
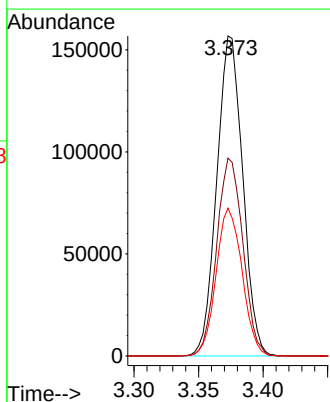
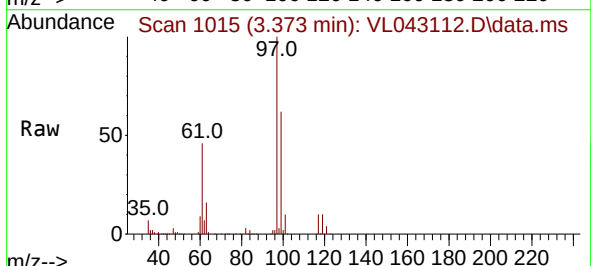
Manual Integrations
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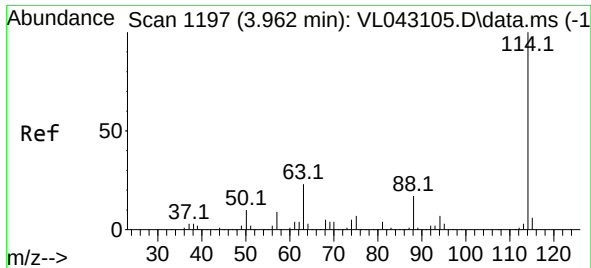
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#32
 1,1,1-Trichloroethane
 Concen: 9.666 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

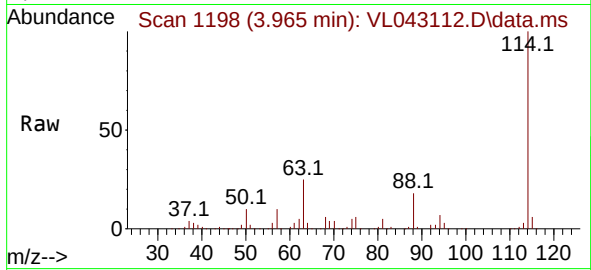
Tgt Ion: 97 Resp: 219167
 Ion Ratio Lower Upper
 97 100
 99 62.3 51.3 76.9
 61 46.4 38.4 57.6





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

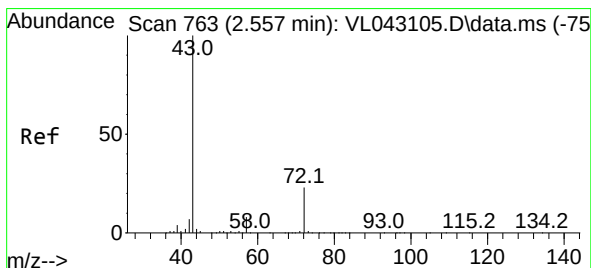
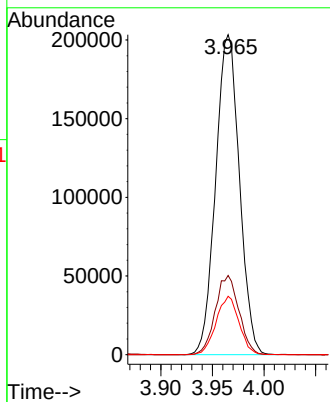
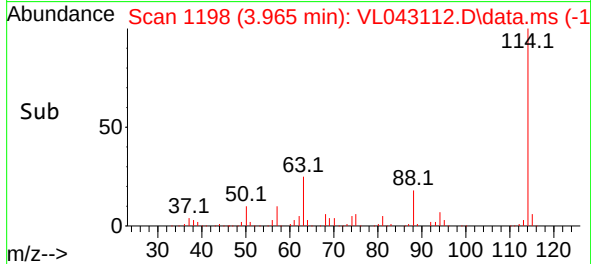
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



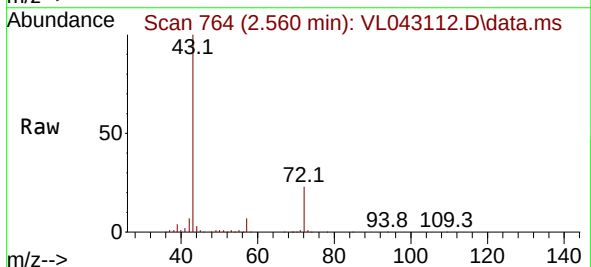
Tgt Ion:114 Resp: 325610
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.3 28.9
 88 17.6 13.9 20.9

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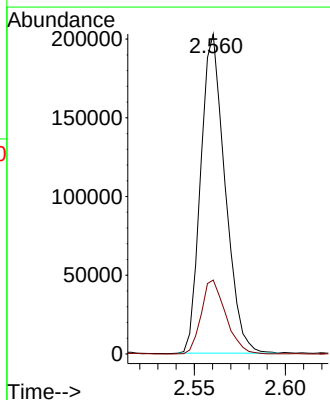
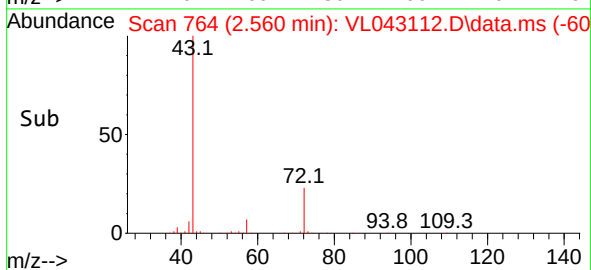
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

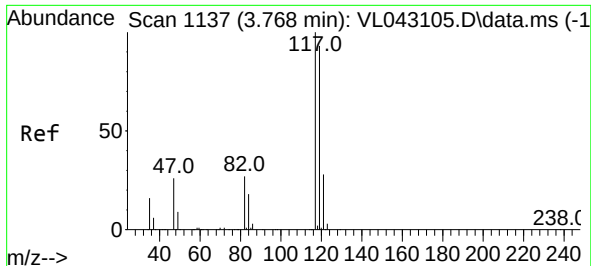


#34
 2-Butanone
 Concen: 8.624 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51



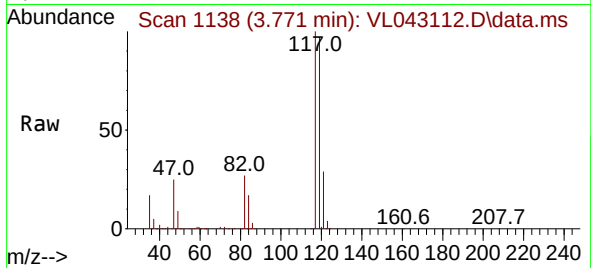
Tgt Ion: 43 Resp: 188755
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.298 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

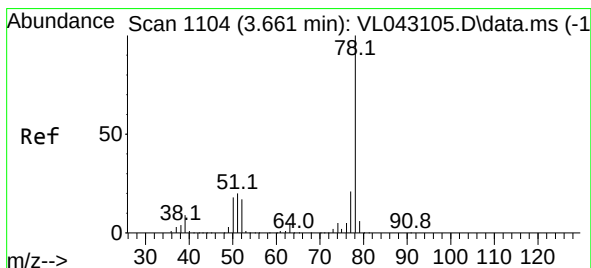
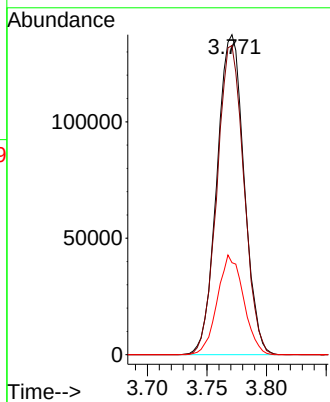
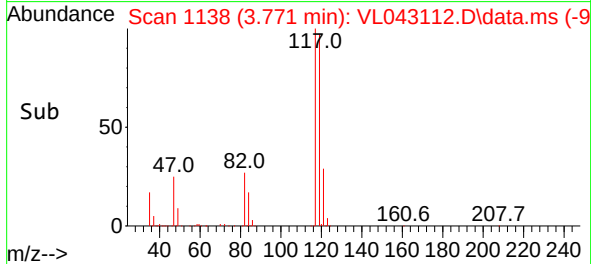
Instrument : MSVOA_L
ClientSampleId : ICVVL101425



Tgt Ion: 117 Resp: 217678
Ion Ratio Lower Upper
117 100
119 96.6 74.1 111.1
121 28.7 22.2 33.2

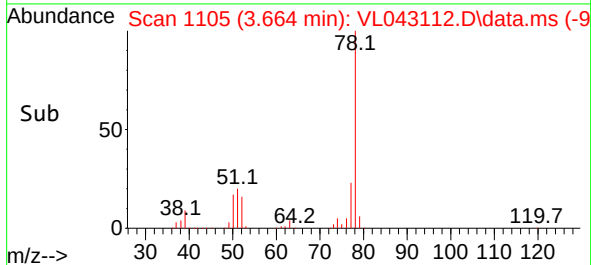
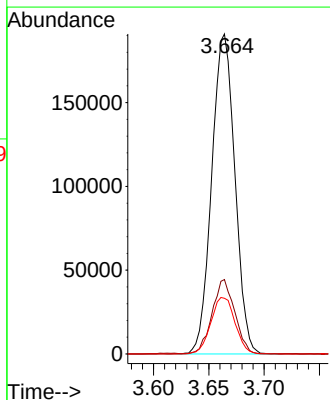
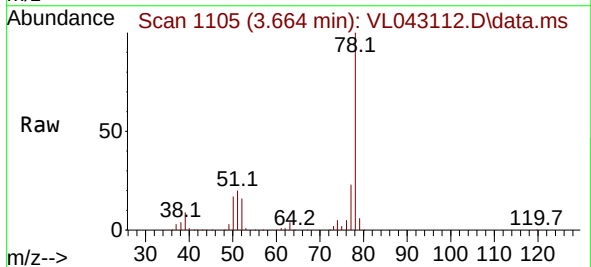
Manual Integrations
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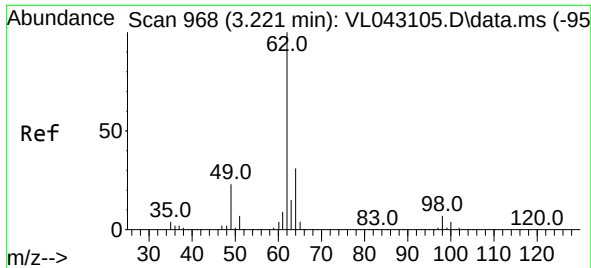
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#36
Benzene
Concen: 9.077 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 78 Resp: 278365
Ion Ratio Lower Upper
78 100
77 23.2 17.0 25.6
50 17.4 14.6 22.0





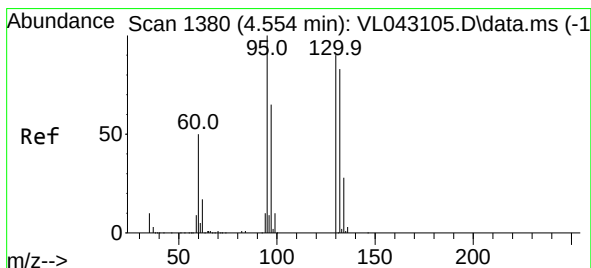
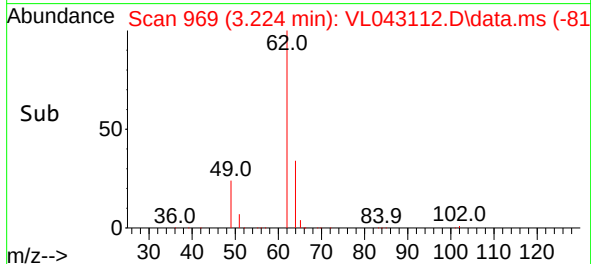
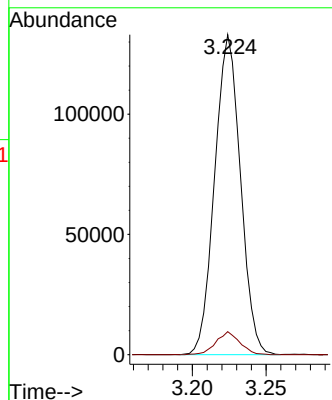
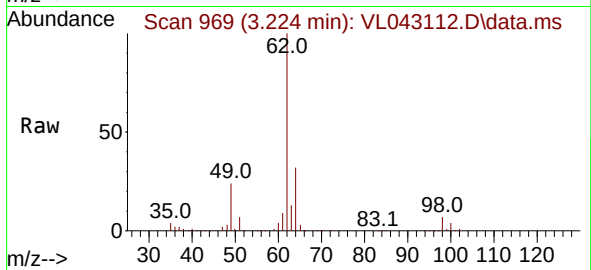
#37
1,2-Dichloroethane
Concen: 9.156 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425

Tgt Ion: 62 Resp: 161750
Ion Ratio Lower Upper
62 100
98 6.7 5.8 8.6

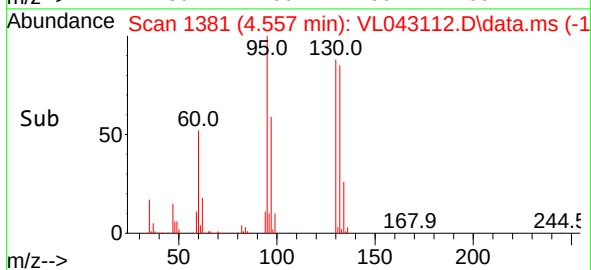
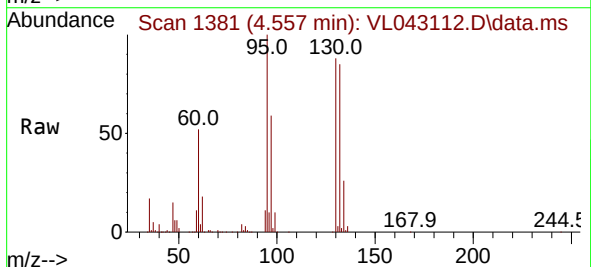
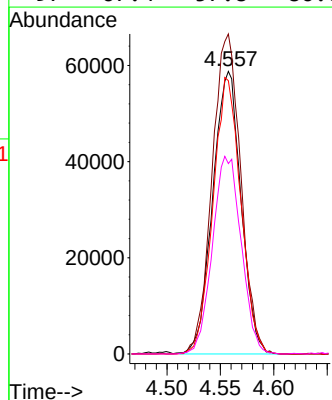
Manual Integrations
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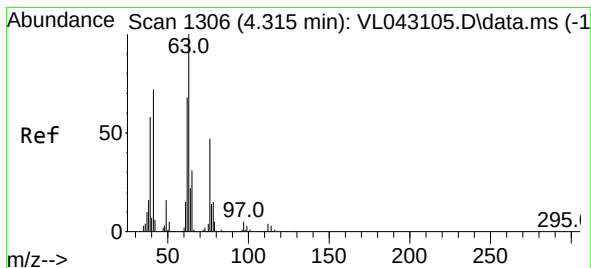
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 8.453 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:130 Resp: 108261
Ion Ratio Lower Upper
130 100
95 113.2 88.6 133.0
132 96.7 73.4 110.0
97 67.4 57.8 86.6





#39

1,2-Dichloropropane

Concen: 8.971 ppbv

RT: 4.321 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

Tgt Ion: 63 Resp: 100580

Ion Ratio Lower Upper

63 100

41 78.0 58.0 87.0

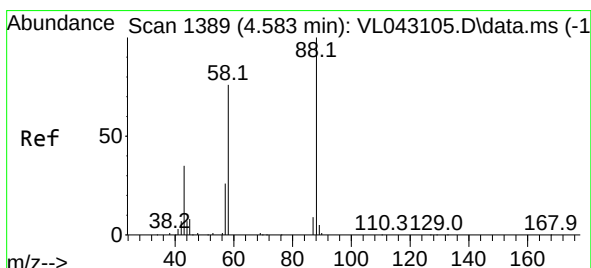
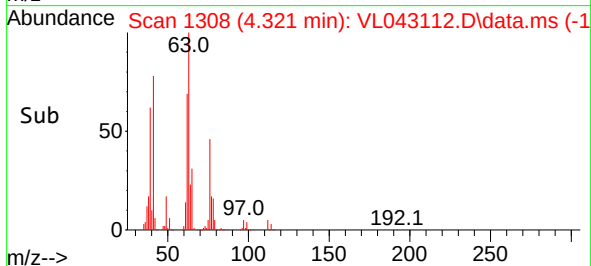
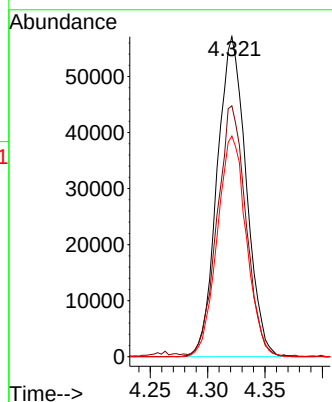
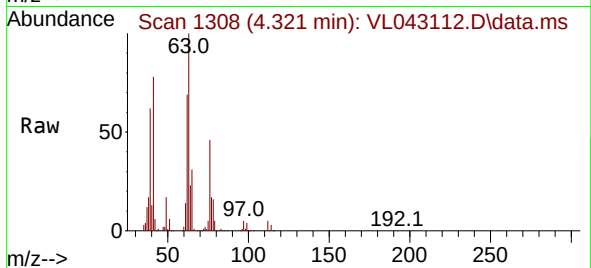
62 69.0 54.7 82.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#40

1,4-Dioxane

Concen: 8.265 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Tgt Ion: 88 Resp: 41464

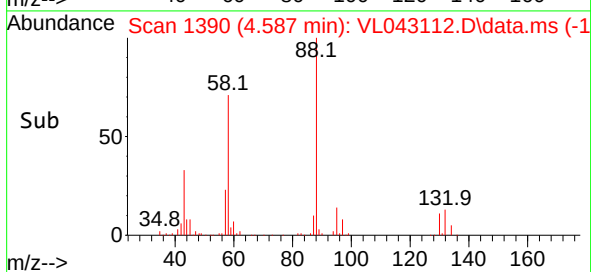
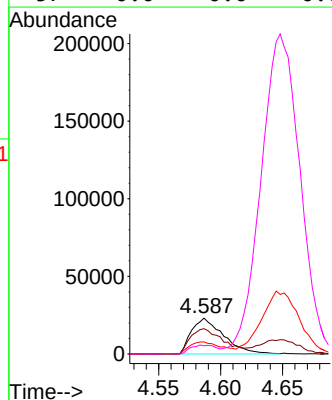
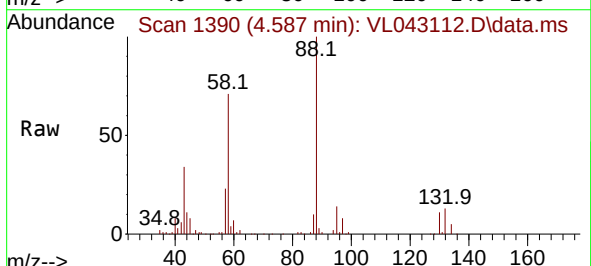
Ion Ratio Lower Upper

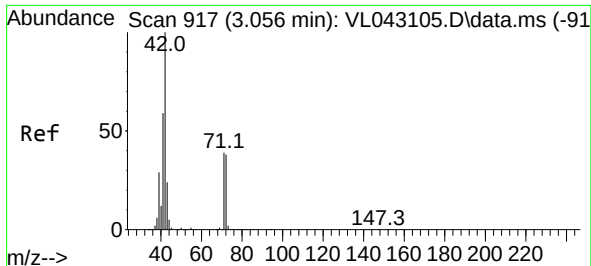
88 100

58 74.2 61.1 91.7

43 35.4 24.0 36.0

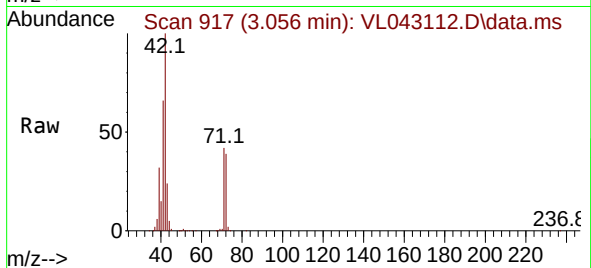
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 8.553 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

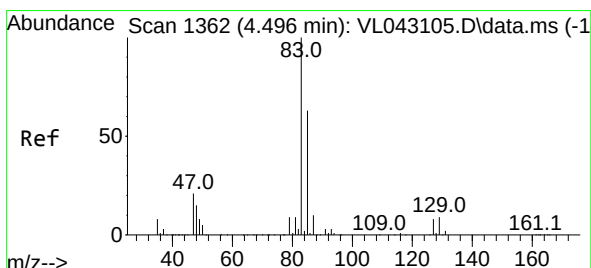
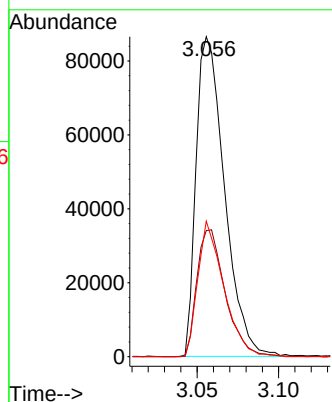
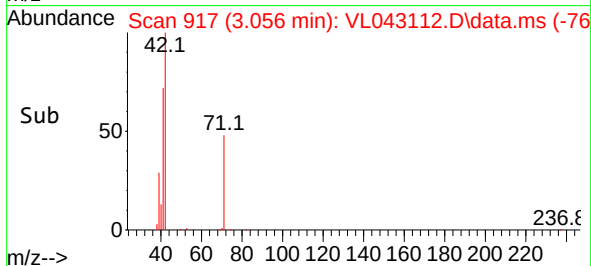
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



Tgt Ion: 42 Resp: 10470
Ion Ratio Lower Upper
42 100
72 39.8 31.3 46.9
71 38.8 30.4 45.6

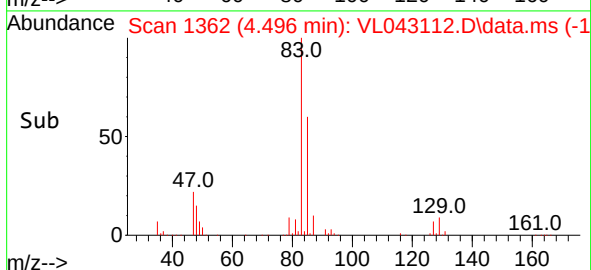
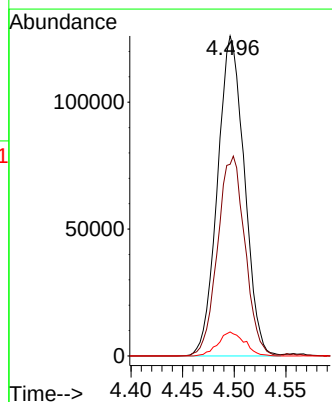
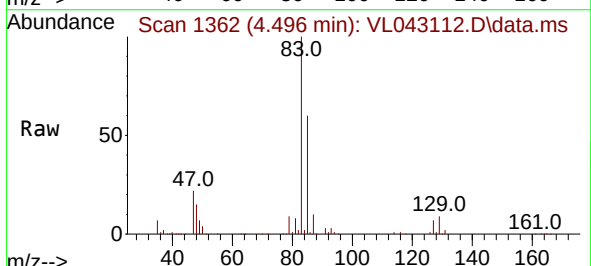
Manual Integrations
APPROVED

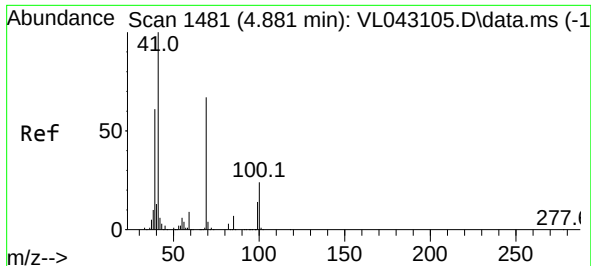
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#42
Bromodichloromethane
Concen: 9.336 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

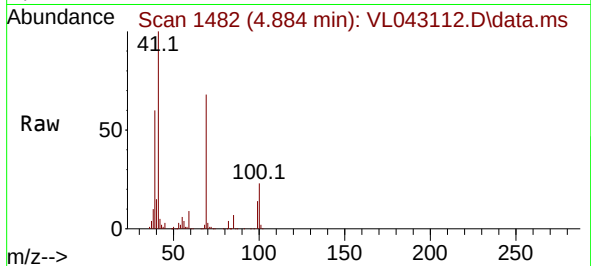
Tgt Ion: 83 Resp: 228288
Ion Ratio Lower Upper
83 100
85 59.8 50.6 75.8
127 7.5 6.3 9.5





#43
Methyl Methacrylate
Concen: 8.898 ppbv
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

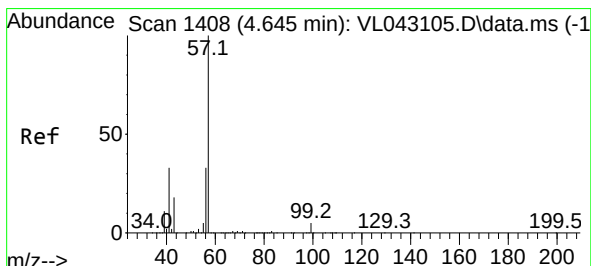
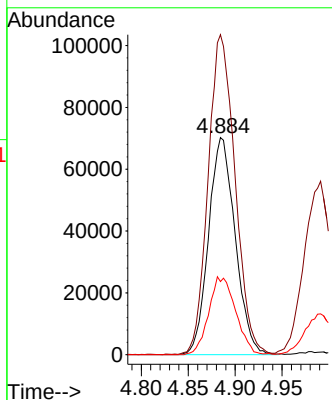
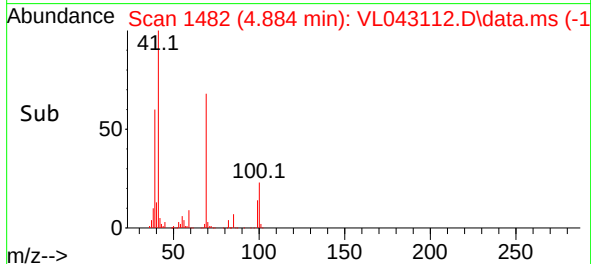
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



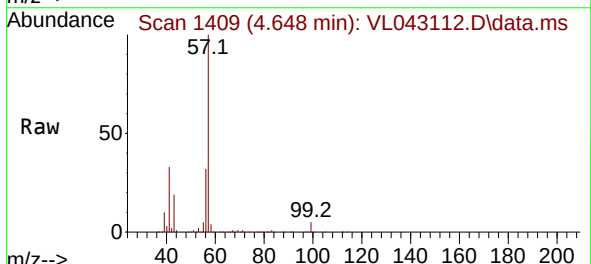
Tgt Ion: 69 Resp: 13859
Ion Ratio Lower Upper
69 100
41 149.1 120.5 180.7
100 36.3 29.0 43.4

Manual Integrations
APPROVED

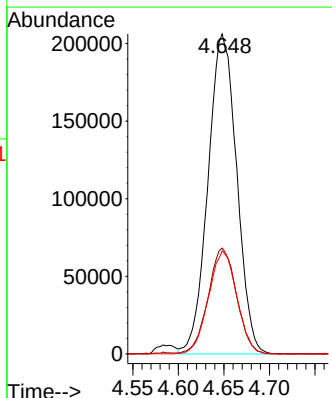
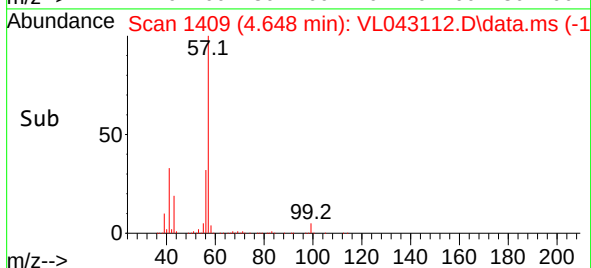
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

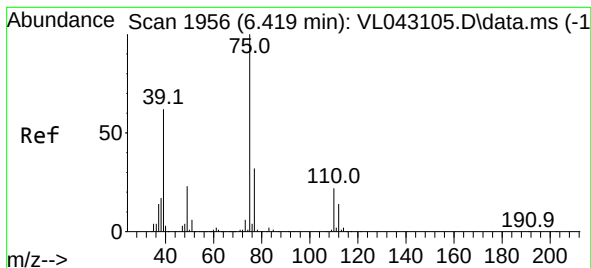


#44
2,2,4-Trimethylpentane
Concen: 8.738 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion: 57 Resp: 452117
Ion Ratio Lower Upper
57 100
41 33.2 26.3 39.5
56 31.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.146 ppbv

RT: 6.422 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_1

ClientSampleId :

ICVVL101425

Tgt Ion: 75 Resp: 142964

Ion Ratio Lower Upper

75 100

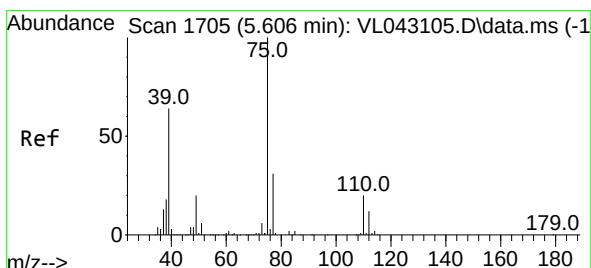
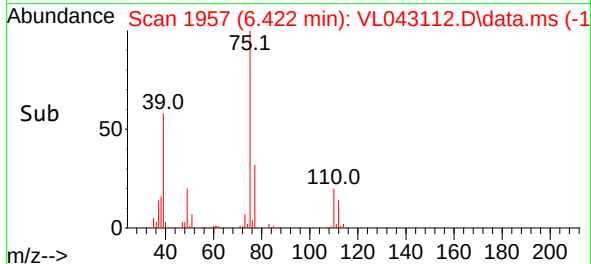
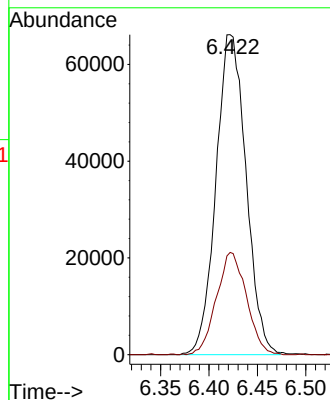
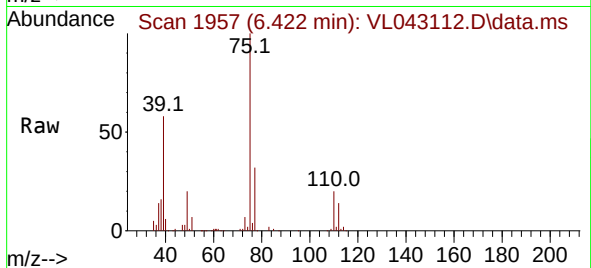
77 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#46

cis-1,3-Dichloropropene

Concen: 9.106 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

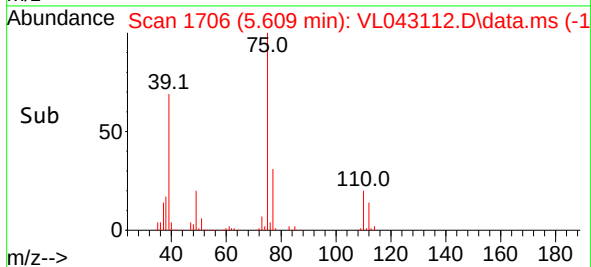
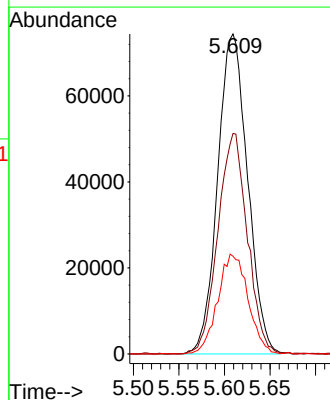
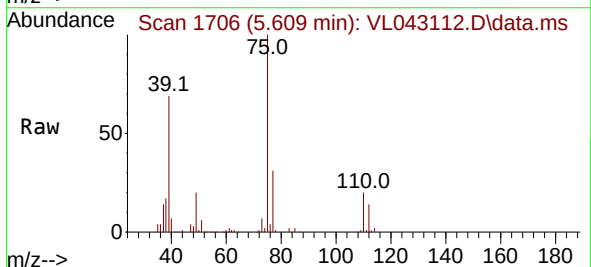
Tgt Ion: 75 Resp: 170038

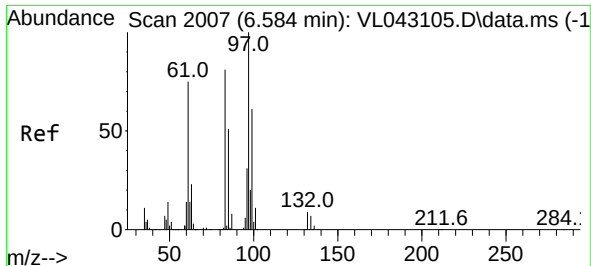
Ion Ratio Lower Upper

75 100

39 68.8 51.0 76.6

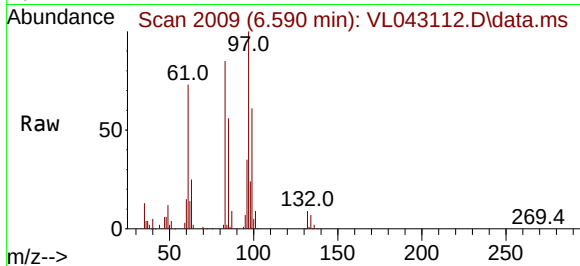
77 30.5 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 9.000 ppbv
RT: 6.590 min Scan# 2007
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

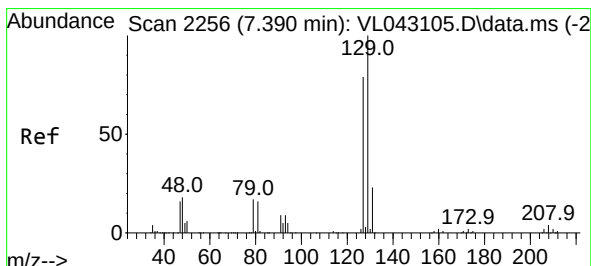
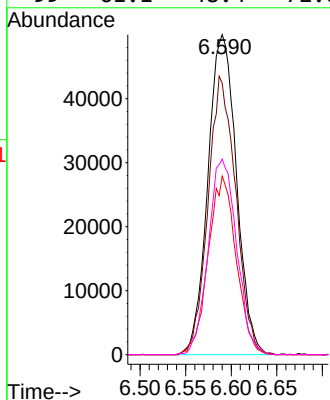
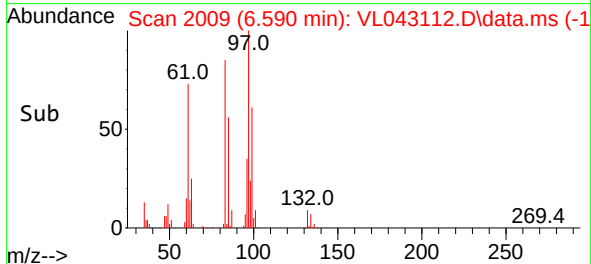
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



Tgt Ion: 97 Resp: 10896
Ion Ratio Lower Upper
97 100
83 84.8 64.6 96.8
85 55.8 40.6 60.8
99 61.1 48.4 72.6

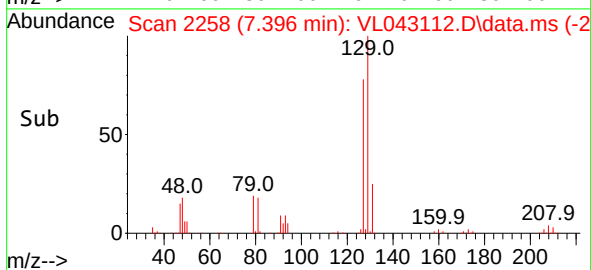
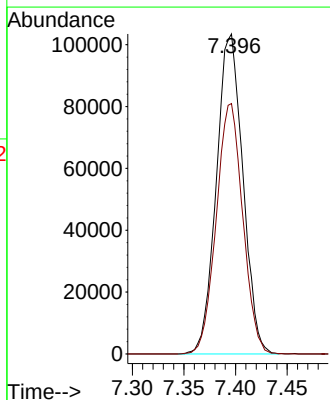
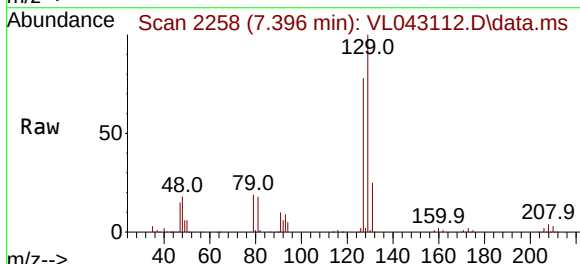
Manual Integrations
APPROVED

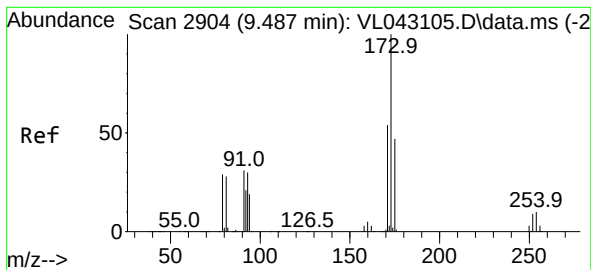
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#48
Dibromochloromethane
Concen: 9.127 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:129 Resp: 184757
Ion Ratio Lower Upper
129 100
127 78.3 39.3 117.9





#49

Bromoform

Concen: 8.980 ppbv

RT: 9.490 min Scan# 2904

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

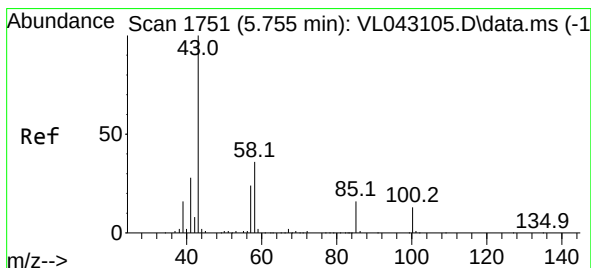
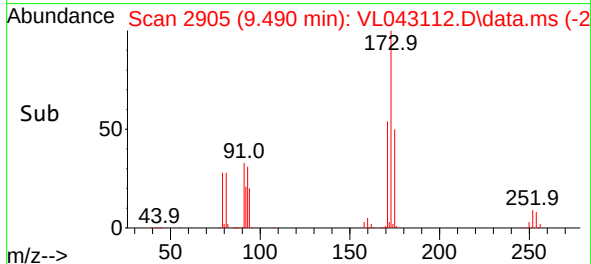
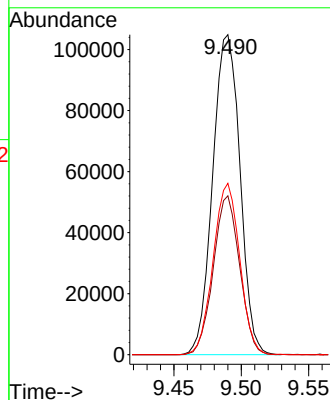
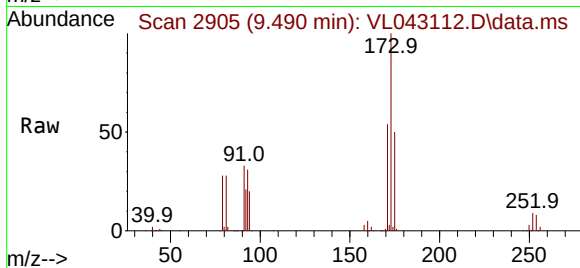
ICVVL101425

Tgt Ion:173 Resp: 147759
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.8 58.2
 171 52.1 41.7 62.5

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 8.709 ppbv

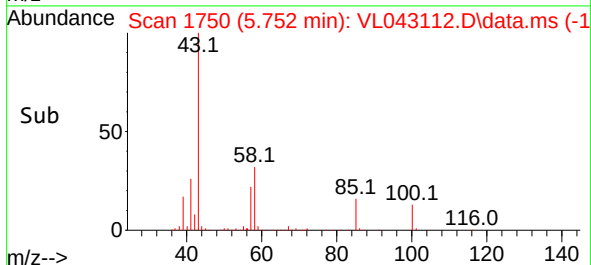
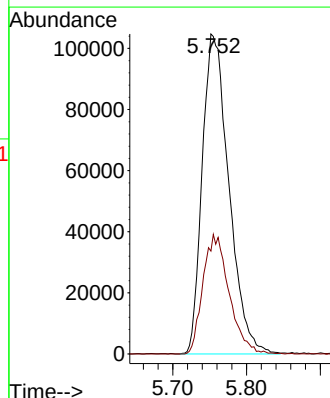
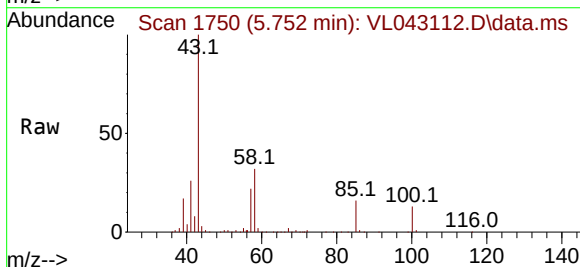
RT: 5.752 min Scan# 1750

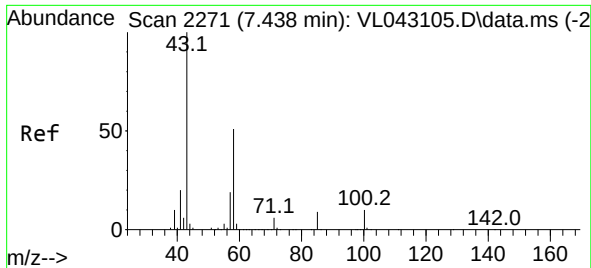
Delta R.T. -0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

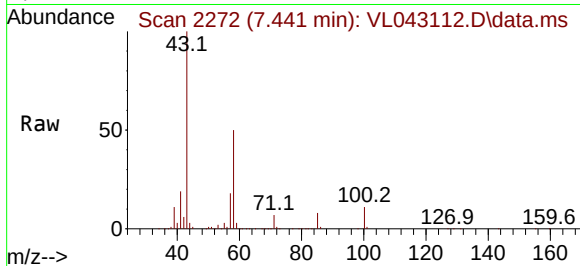
Tgt Ion: 43 Resp: 263070
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.1 43.7





#51
2-Hexanone
Concen: 8.999 ppbv
RT: 7.441 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

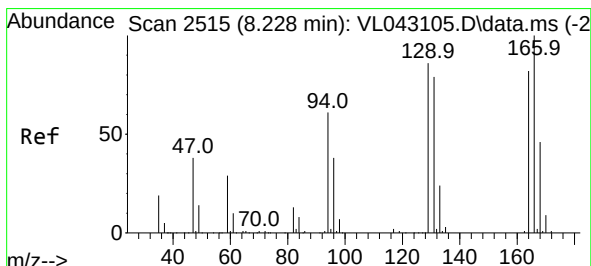
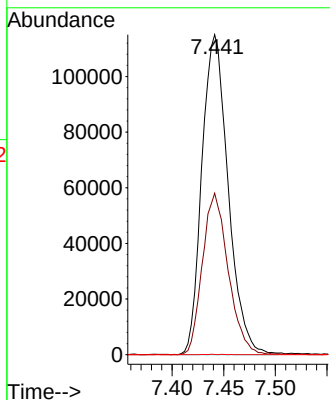
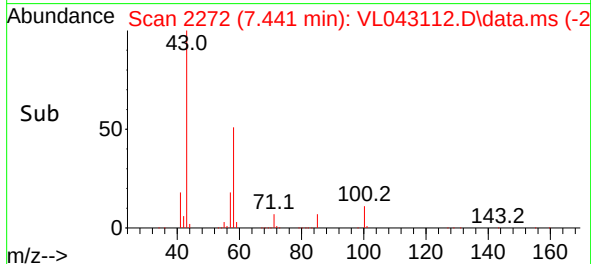
Instrument : MSVOA_L
ClientSampleId : ICVVL101425



Tgt Ion: 43 Resp: 203870
Ion Ratio Lower Upper
43 100
58 49.6 40.4 60.6
98 0.1 0.1 0.1

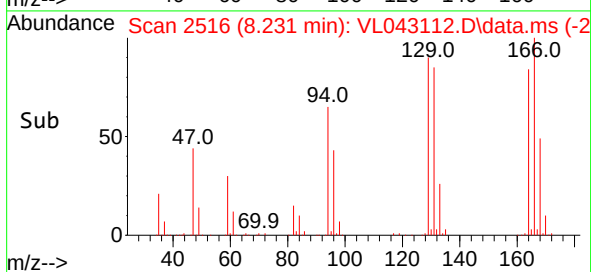
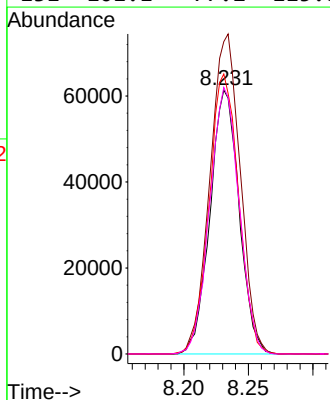
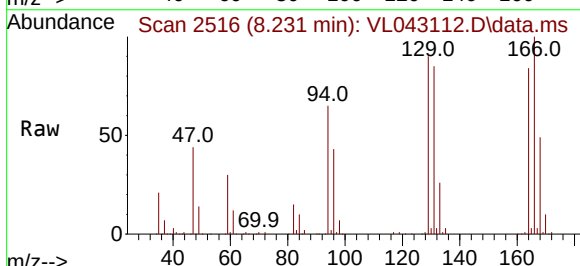
Manual Integrations
APPROVED

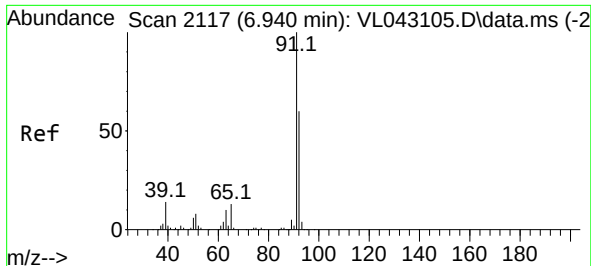
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#52
Tetrachloroethene
Concen: 8.681 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

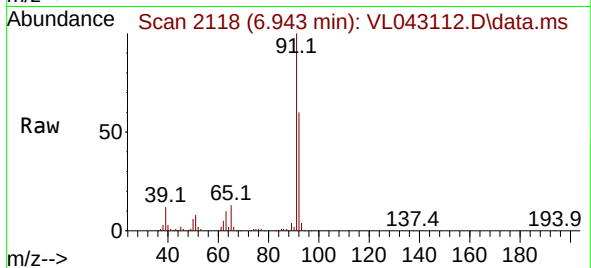
Tgt Ion:164 Resp: 96000
Ion Ratio Lower Upper
164 100
166 118.4 97.6 146.4
129 106.2 84.5 126.7
131 101.1 77.2 115.8





#53
Toluene
Concen: 8.928 ppbv
RT: 6.943 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

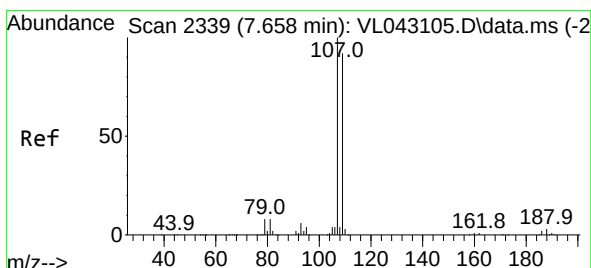
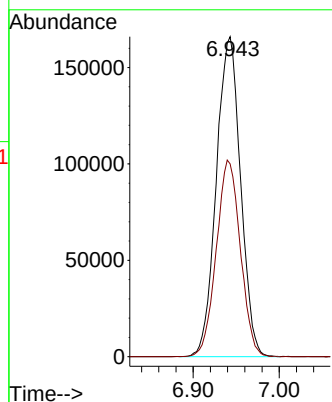
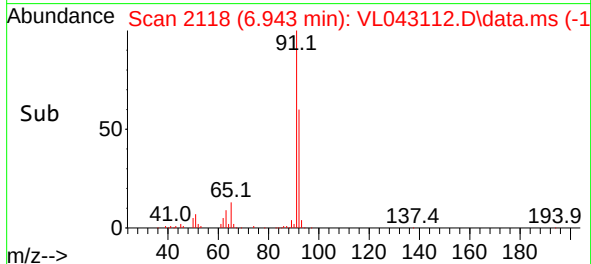
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



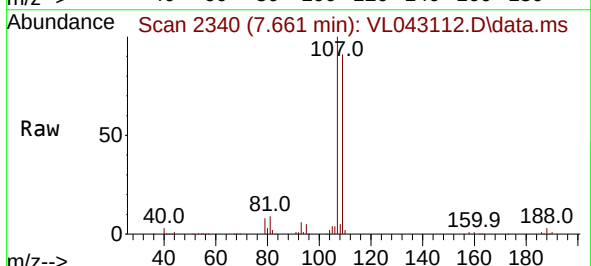
Tgt Ion: 91 Resp: 324944
Ion Ratio Lower Upper
91 100
92 61.0 48.8 73.2

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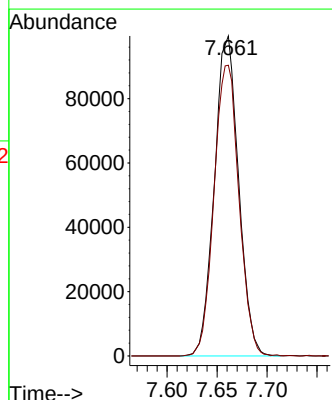
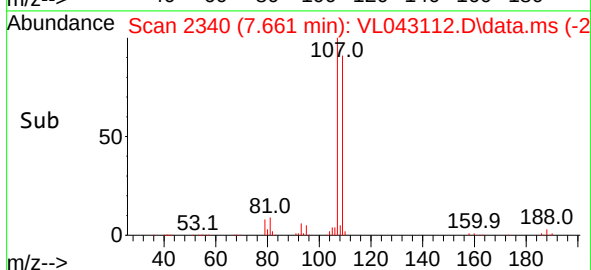
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

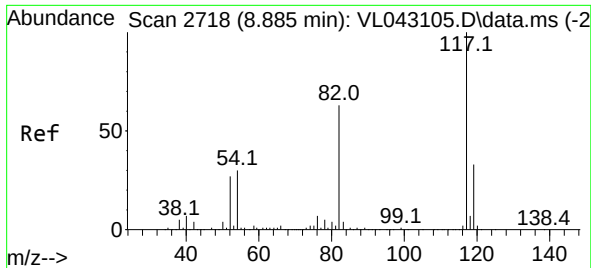


#54
1,2-Dibromoethane
Concen: 8.856 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



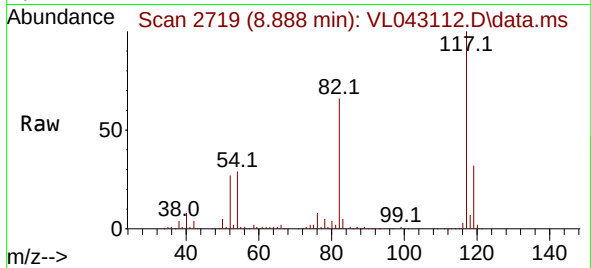
Tgt Ion:107 Resp: 167936
Ion Ratio Lower Upper
107 100
109 90.9 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2718
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

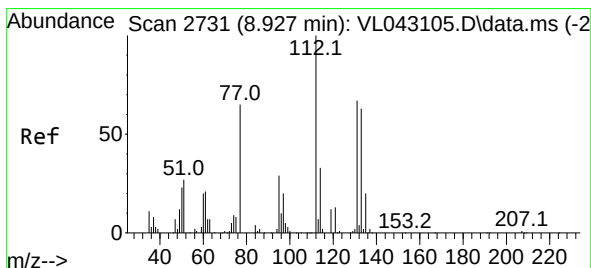
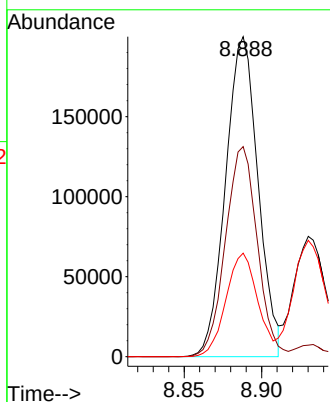
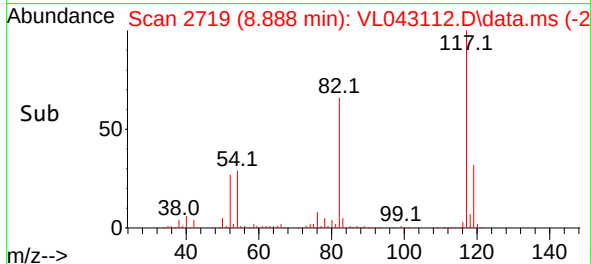
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



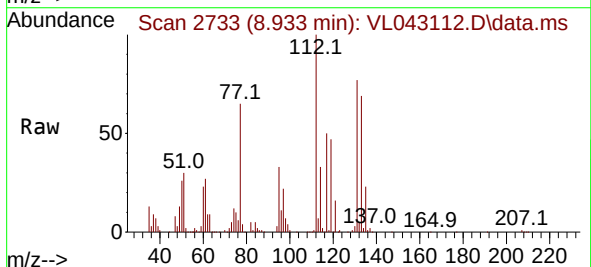
Tgt Ion:117 Resp: 291670
Ion Ratio Lower Upper
117 100
82 67.8 53.8 80.8
119 31.5 25.4 38.0

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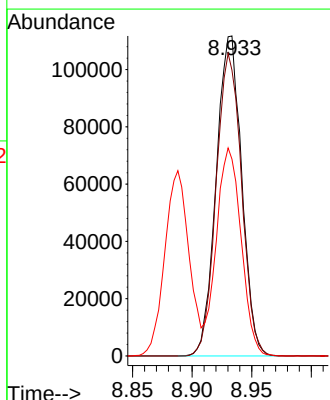
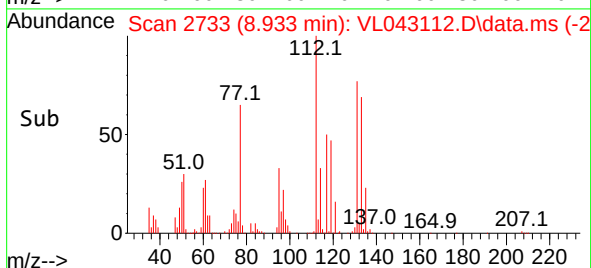
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

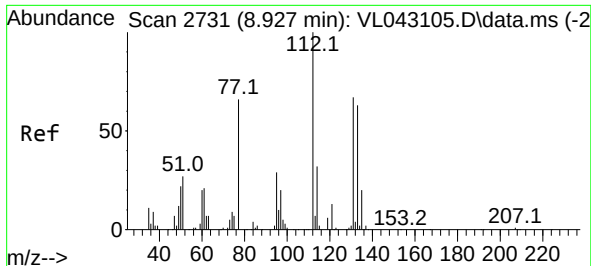


#56
1,1,1,2-Tetrachloroethane
Concen: 9.031 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.006 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



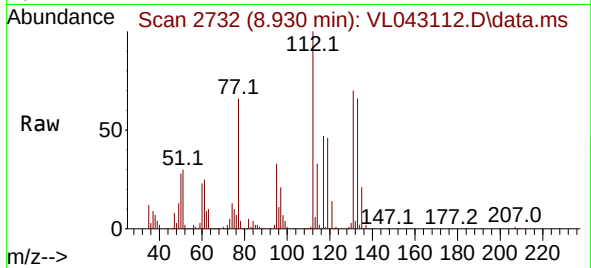
Tgt Ion:131 Resp: 166059
Ion Ratio Lower Upper
131 100
133 94.2 75.7 113.5
119 60.4 50.6 76.0





#57
Chlorobenzene
Concen: 8.770 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

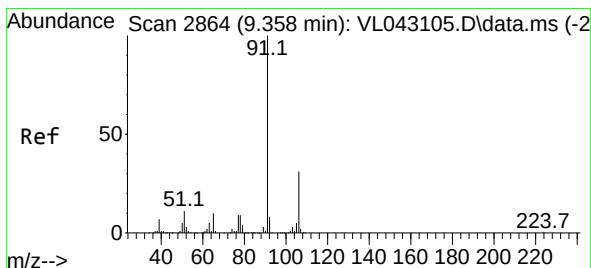
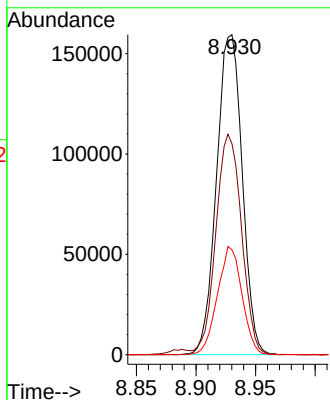
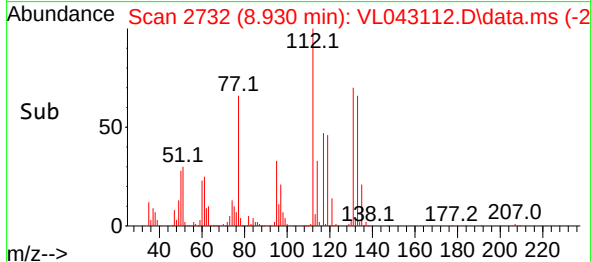
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



Tgt Ion:112 Resp: 239309
Ion Ratio Lower Upper
112 100
77 65.9 53.3 79.9
114 32.7 29.3 35.8

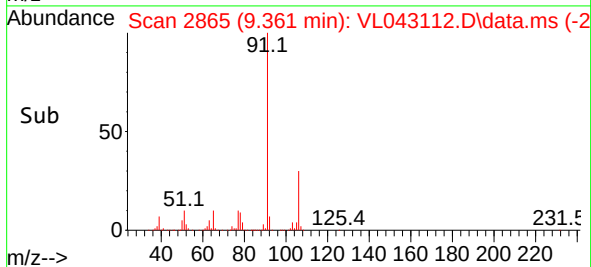
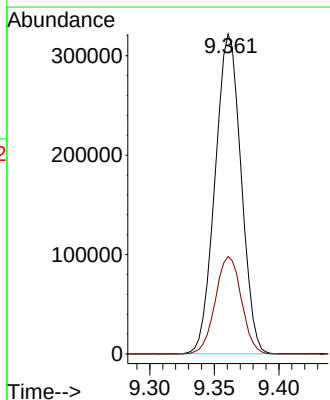
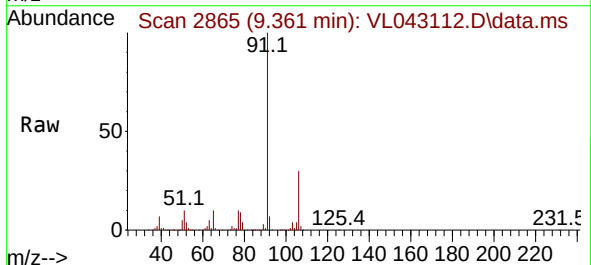
Manual Integrations
APPROVED

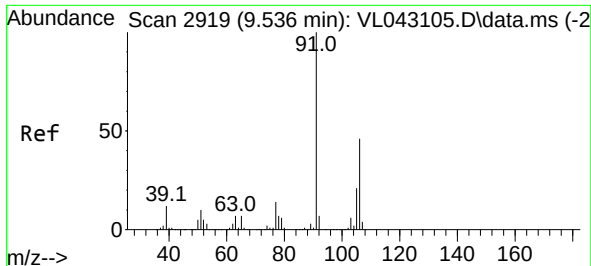
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#58
Ethyl Benzene
Concen: 8.990 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion: 91 Resp: 450029
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2





#59

m/p-Xylene

Concen: 17.913 ppbv m

RT: 9.558 min Scan# 2919

Delta R.T. 0.022 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

Tgt Ion: 91 Resp: 71519

Ion Ratio Lower Upper

91 100

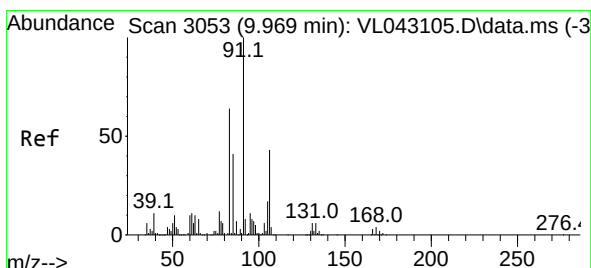
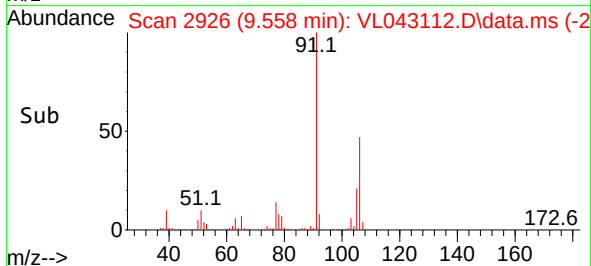
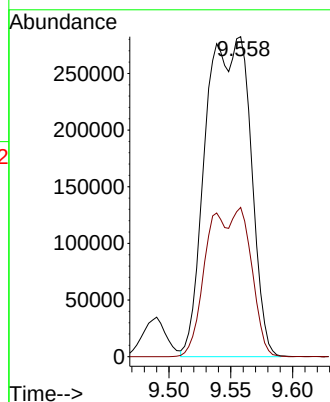
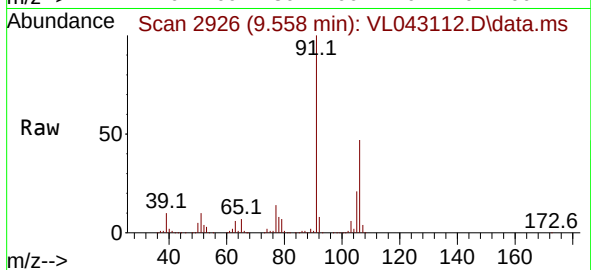
106 0.0 38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#60

o-Xylene

Concen: 8.834 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL043112.D

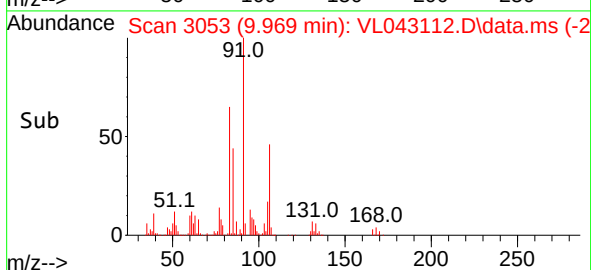
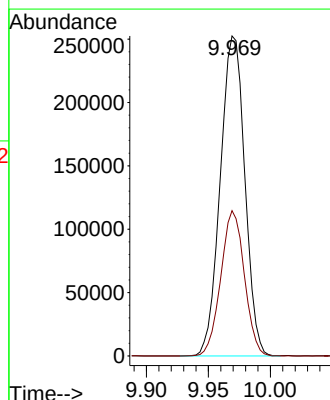
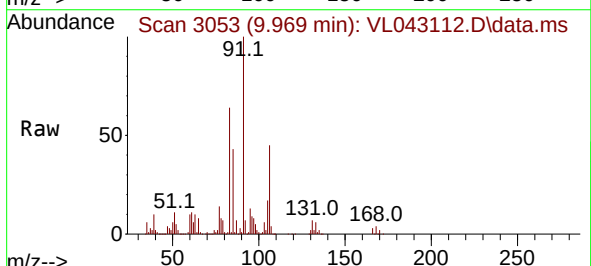
Acq: 14 Oct 2025 14:51

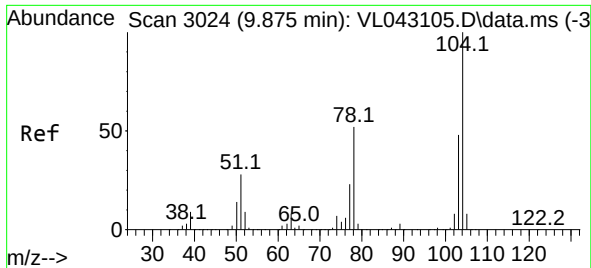
Tgt Ion: 91 Resp: 348346

Ion Ratio Lower Upper

91 100

106 43.7 21.9 65.8





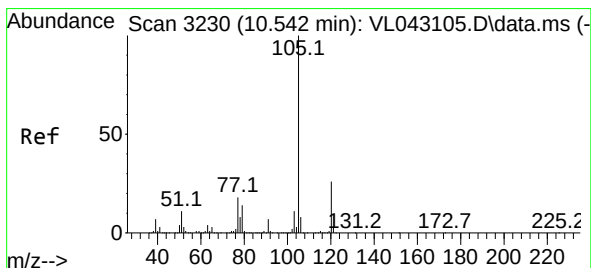
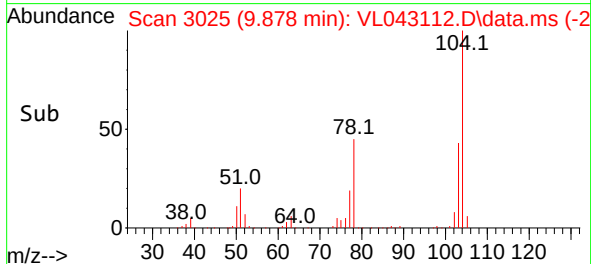
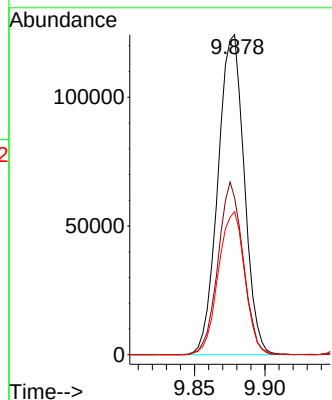
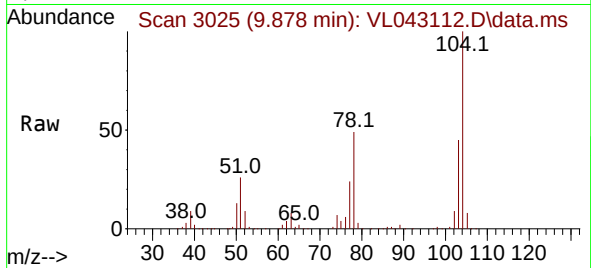
#61
Styrene
Concen: 9.099 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument : MSVOA_L
ClientSampleId : ICVVL101425

Tgt Ion:104 Resp: 161979
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.2
103 45.0 36.9 55.3

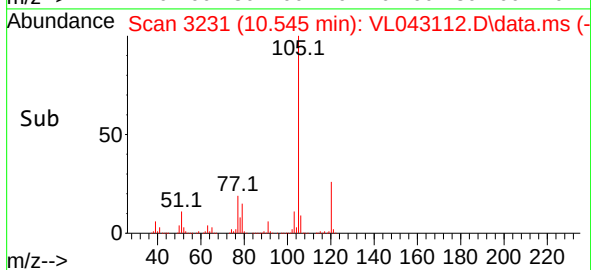
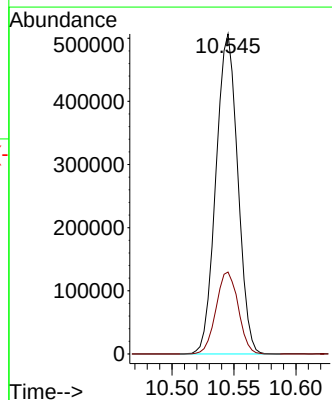
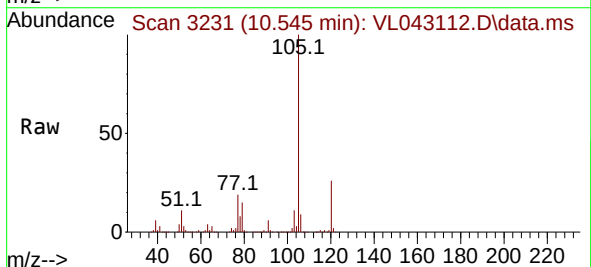
Manual Integrations
APPROVED

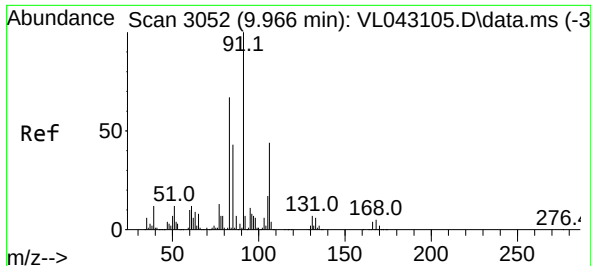
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#62
Isopropylbenzene
Concen: 8.726 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

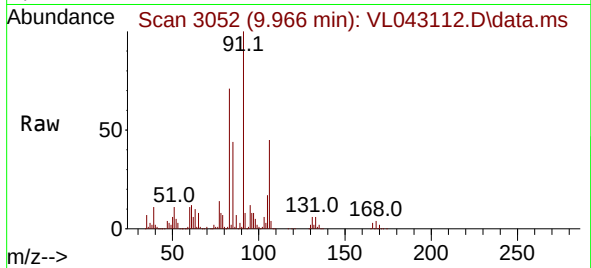
Tgt Ion:105 Resp: 621758
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 8.177 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

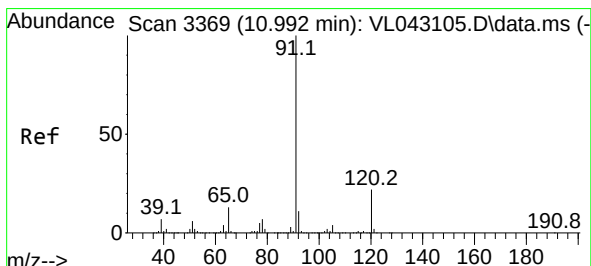
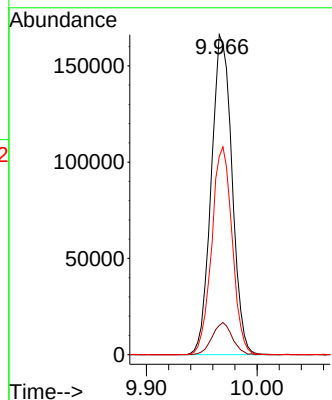
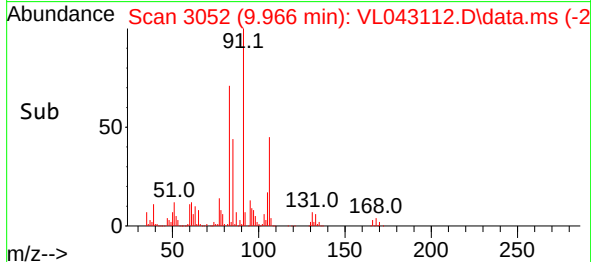
Instrument : MSVOA_L
ClientSampleId : ICVVL101425



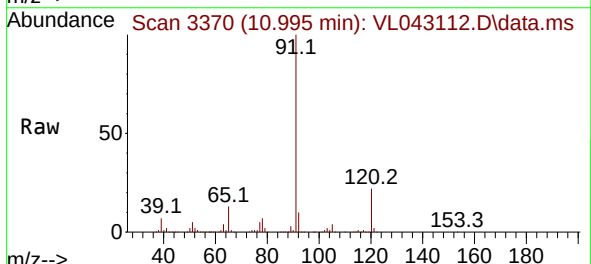
Tgt Ion: 83 Resp: 21591
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.3
85 64.1 32.0 96.0

Manual Integrations
APPROVED

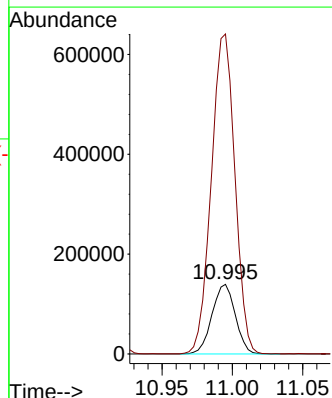
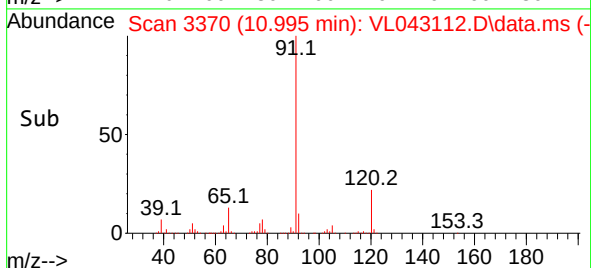
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

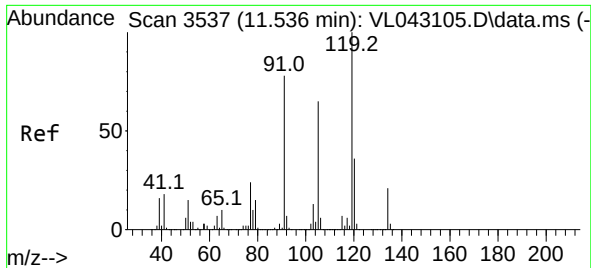


#64
n-propylbenzene
Concen: 8.503 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion:120 Resp: 160411
Ion Ratio Lower Upper
120 100
91 467.8 361.6 542.4





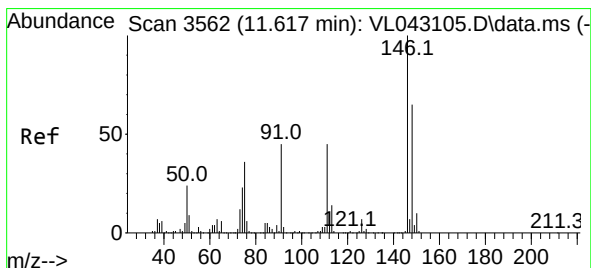
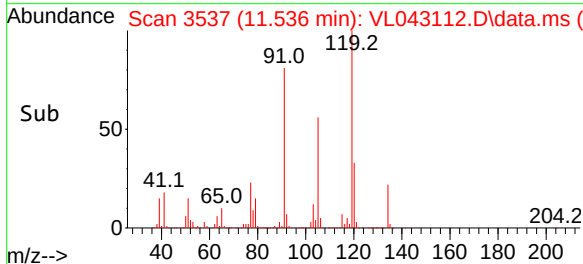
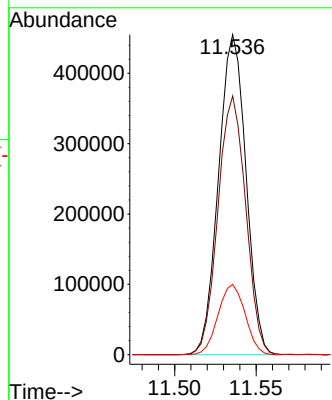
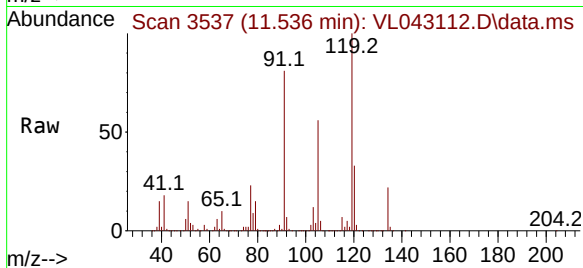
#65
tert-Butylbenzene
Concen: 8.464 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument : MSVOA_L
ClientSampleId : ICVVL101425

Tgt Ion: 119 Resp: 532570
Ion Ratio Lower Upper
119 100
91 81.6 63.4 95.0
134 21.6 17.3 25.9

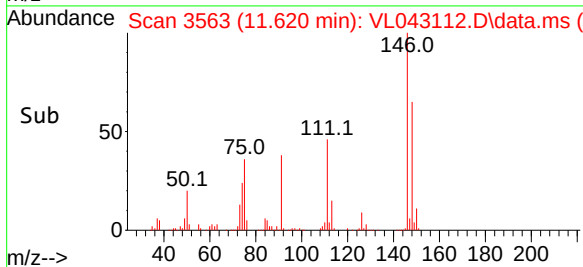
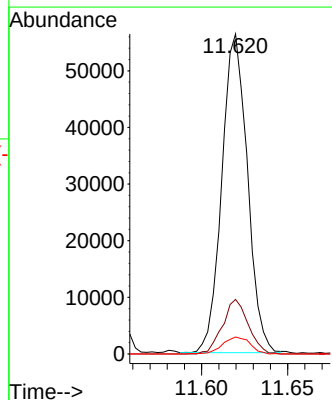
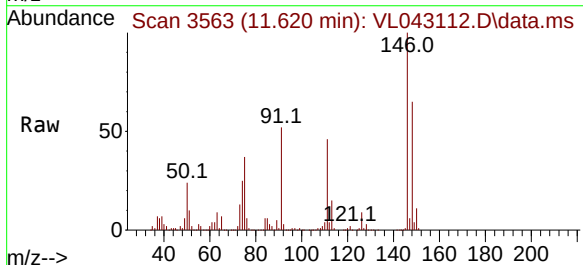
Manual Integrations
APPROVED

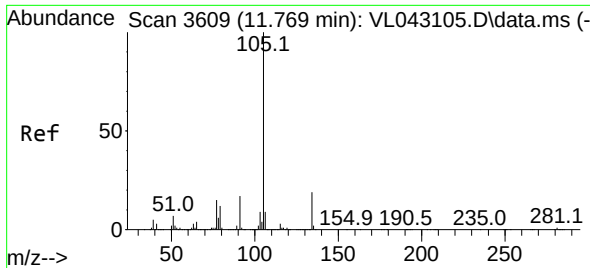
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#66
Benzyl Chloride
Concen: 8.306 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

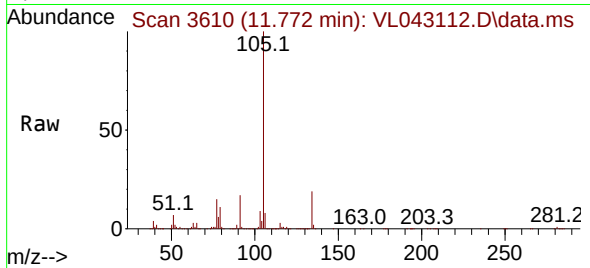
Tgt Ion: 91 Resp: 58169
Ion Ratio Lower Upper
91 100
126 17.2 14.6 22.0
128 5.8 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 8.541 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

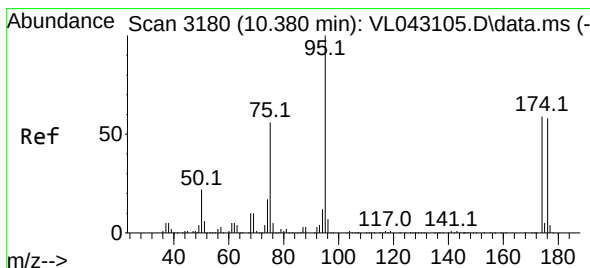
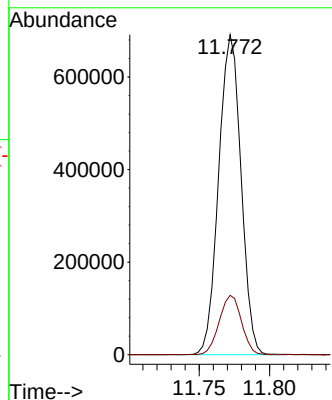
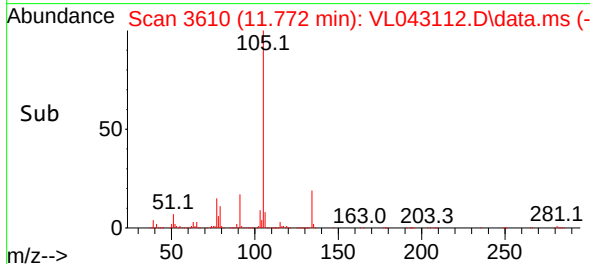
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



Tgt Ion:105 Resp: 76271
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.5 23.3

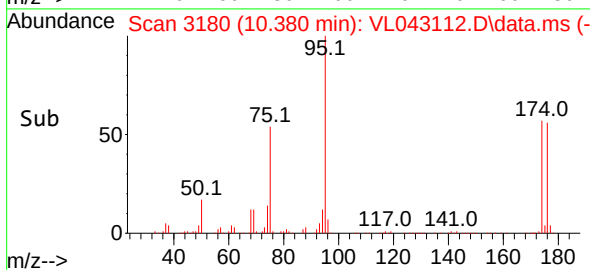
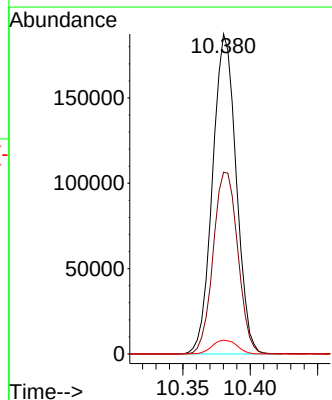
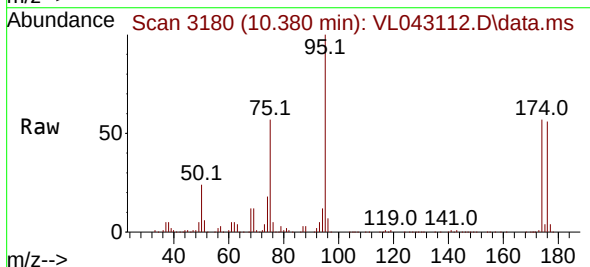
Manual Integrations
 APPROVED

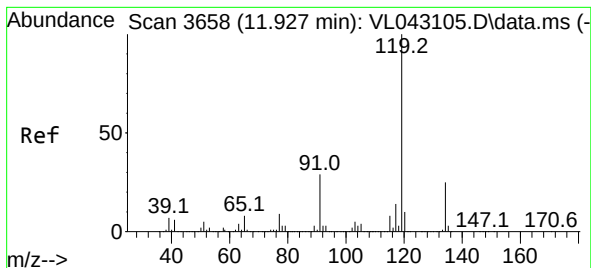
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.101 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

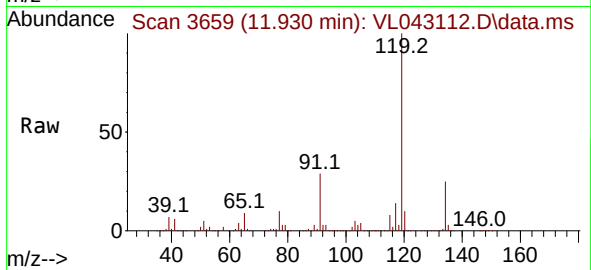
Tgt Ion: 95 Resp: 229010
 Ion Ratio Lower Upper
 95 100
 174 59.2 48.3 72.5
 175 4.6 3.8 5.8





#69
p-Isopropyltoluene
Concen: 8.411 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

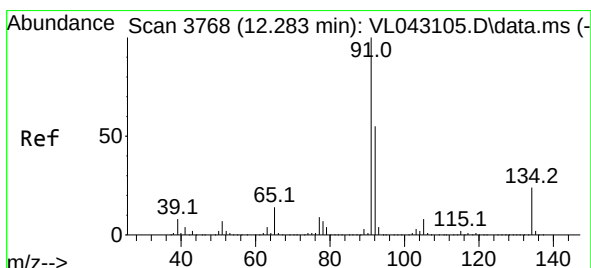
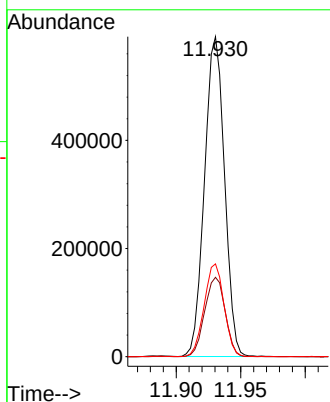
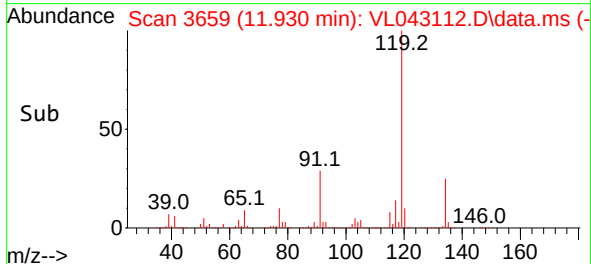
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101425



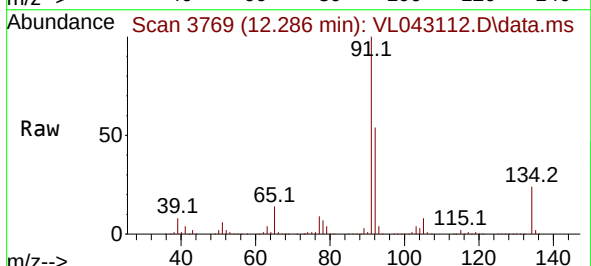
Tgt Ion: 119 Resp: 63826
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 29.0 22.6 33.8

Manual Integrations
APPROVED

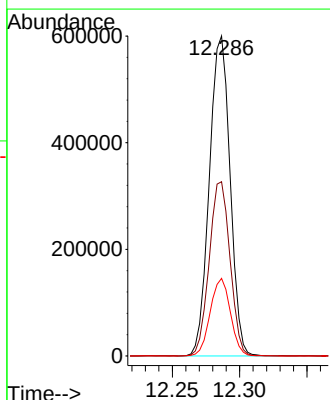
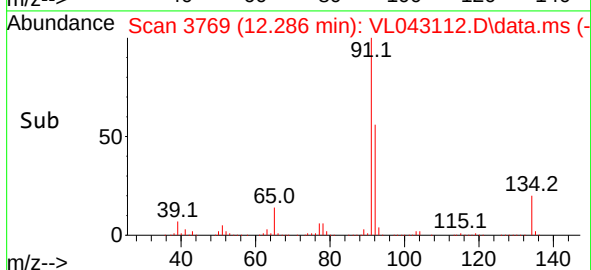
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

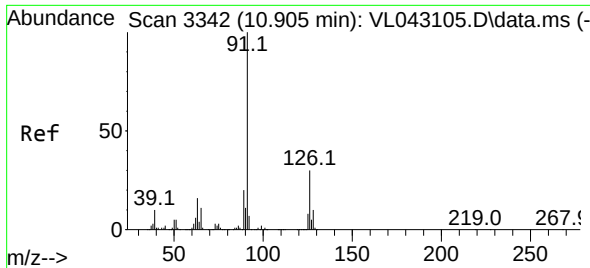


#70
n-Butylbenzene
Concen: 8.579 ppbv
RT: 12.286 min Scan# 3769
Delta R.T. 0.003 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion: 91 Resp: 641547
Ion Ratio Lower Upper
91 100
92 54.8 44.5 66.7
134 23.7 19.3 28.9





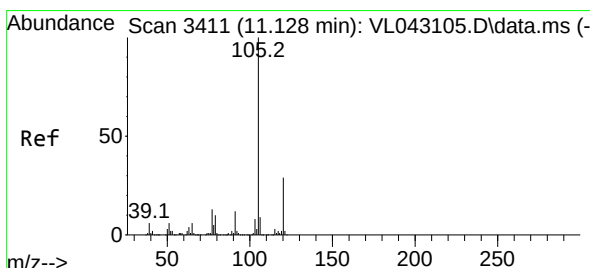
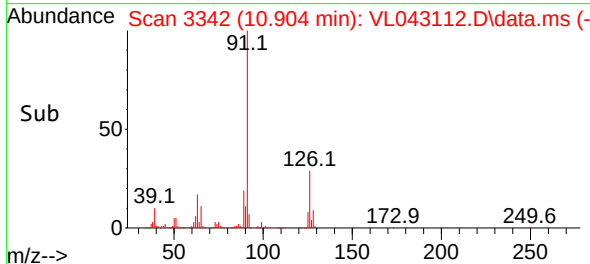
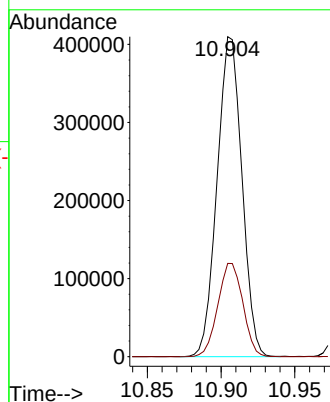
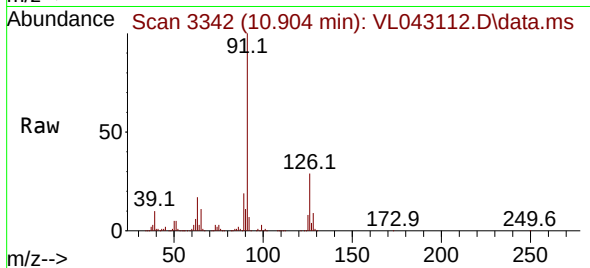
#71
2-Chlorotoluene
Concen: 8.828 ppbv
RT: 10.904 min Scan# 3342
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Instrument : MSVOA_L
ClientSampleId : ICVVL101425

Tgt Ion: 91 Resp: 479799
Ion Ratio Lower Upper
91 100
126 29.3 12.0 48.0

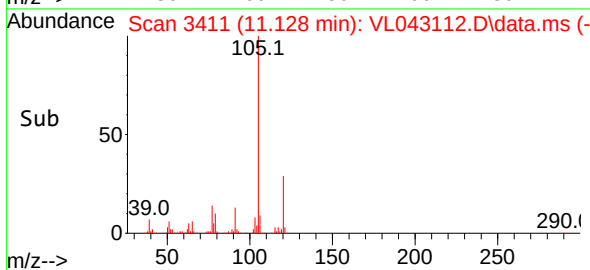
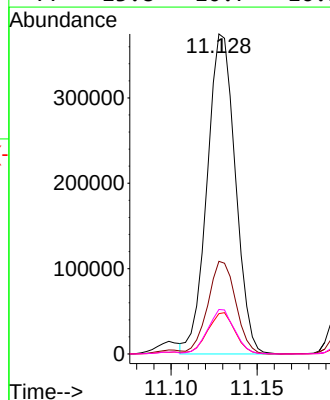
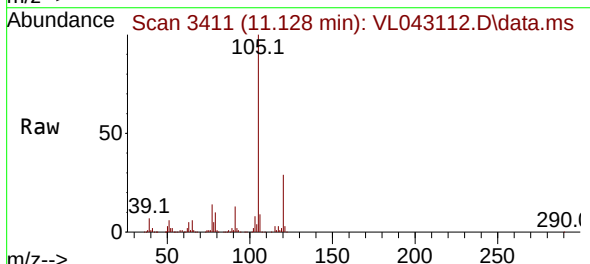
Manual Integrations
APPROVED

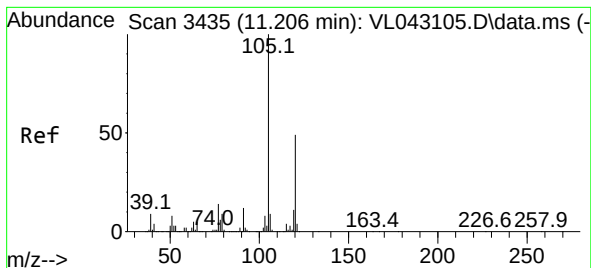
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
4-Ethyltoluene
Concen: 8.807 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 427034
Ion Ratio Lower Upper
105 100
120 29.8 24.2 36.4
91 13.1 10.0 15.0
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 8.874 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

Tgt Ion:105 Resp: 354875

Ion Ratio Lower Upper

105 100

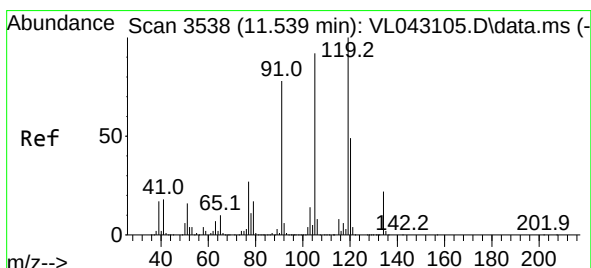
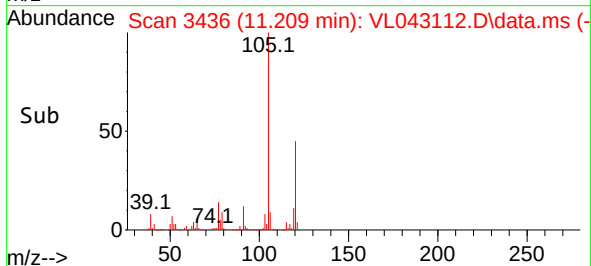
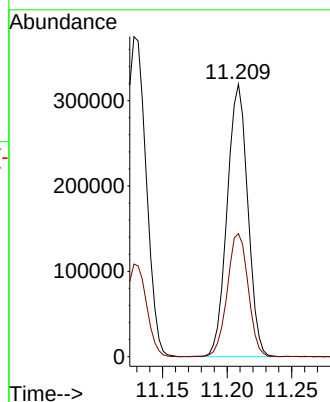
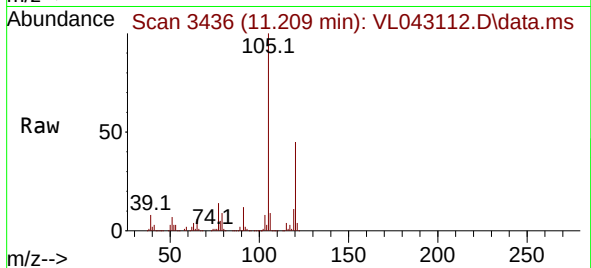
120 45.2 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.324 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Tgt Ion:105 Resp: 372506

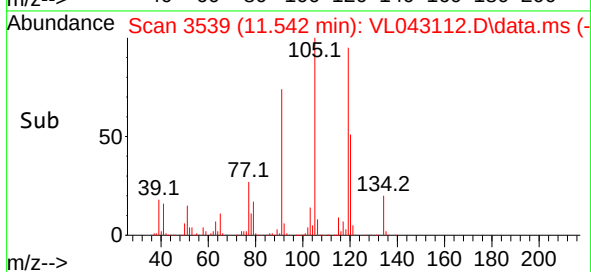
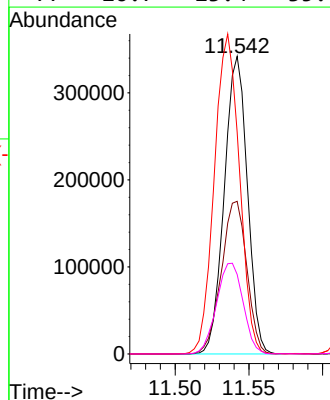
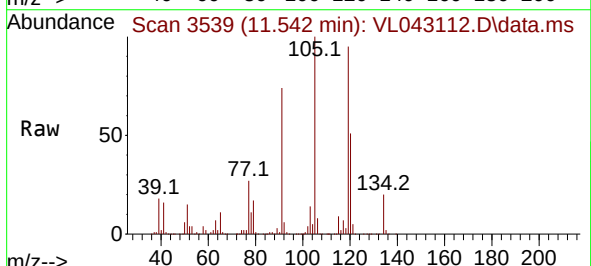
Ion Ratio Lower Upper

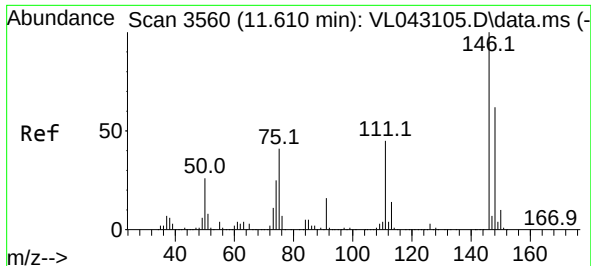
105 100

120 51.3 42.8 64.2

91 74.4 68.3 102.5

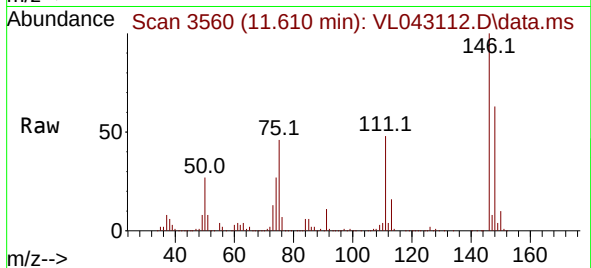
77 26.7 23.4 35.0





#75
1,3-Dichlorobenzene
Concen: 8.454 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51

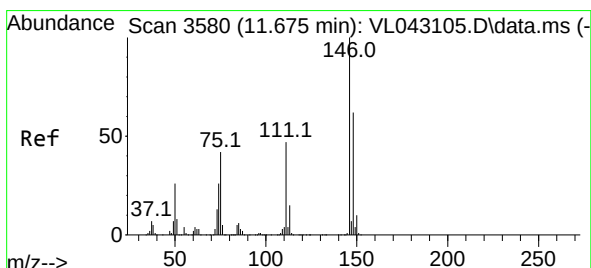
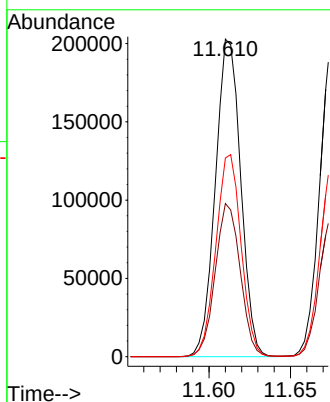
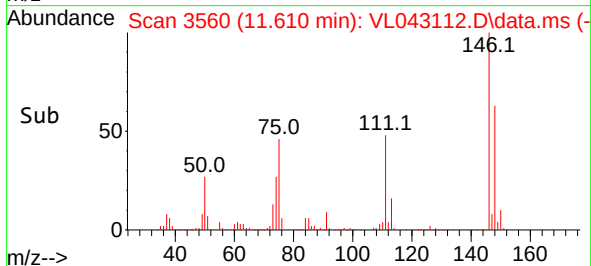
Instrument :
MSVOA_1
ClientSampleId :
ICVVL101425



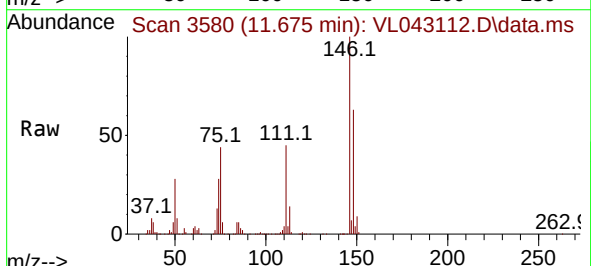
Tgt Ion:146 Resp: 21942
Ion Ratio Lower Upper
146 100
111 47.6 23.3 69.9
148 63.3 31.6 95.0

Manual Integrations
APPROVED

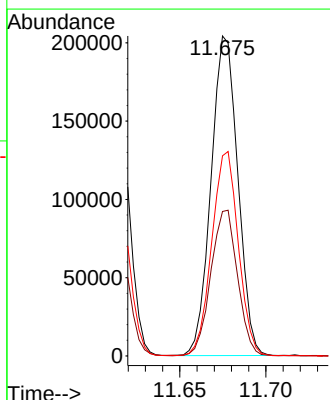
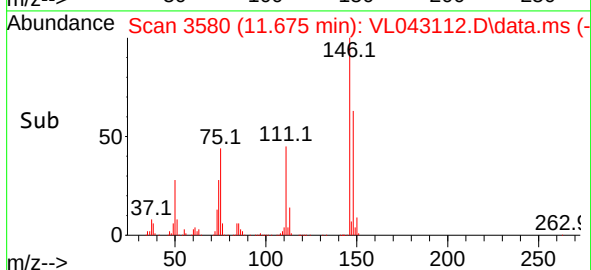
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

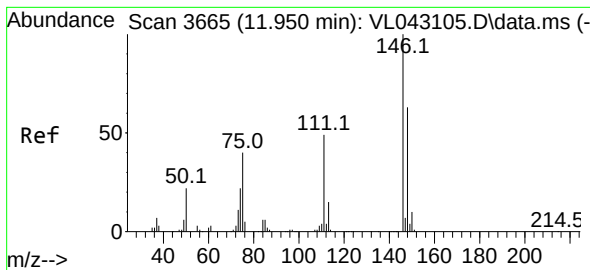


#76
1,4-Dichlorobenzene
Concen: 8.458 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043112.D
Acq: 14 Oct 2025 14:51



Tgt Ion:146 Resp: 221364
Ion Ratio Lower Upper
146 100
111 45.7 22.4 67.0
148 63.6 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 8.132 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

Tgt Ion:146 Resp: 204178

Ion Ratio Lower Upper

146 100

111 48.8 24.0 72.0

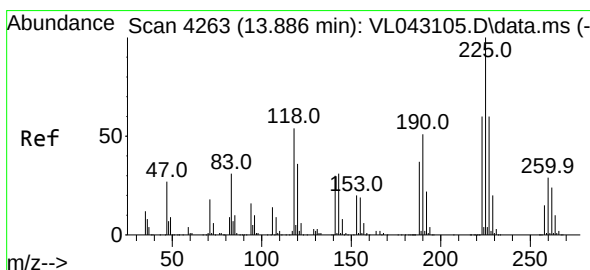
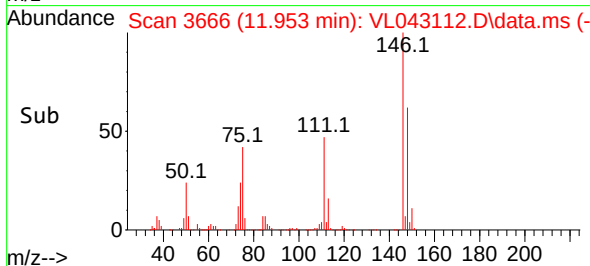
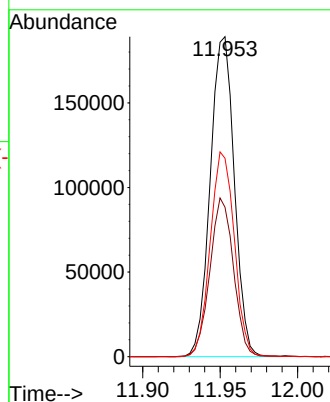
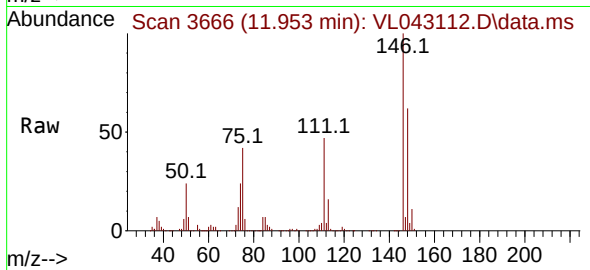
148 64.1 31.1 93.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.440 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

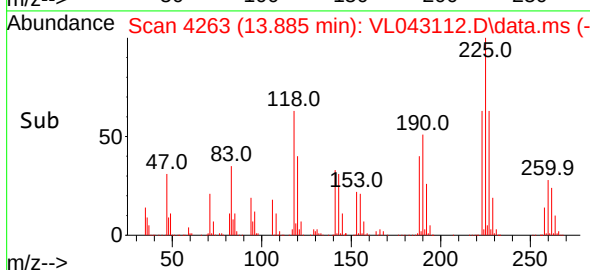
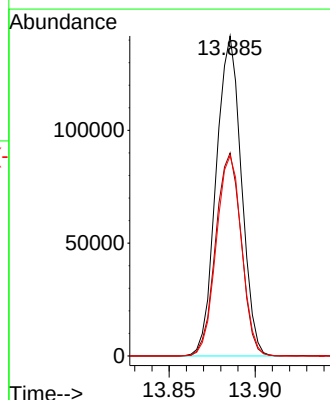
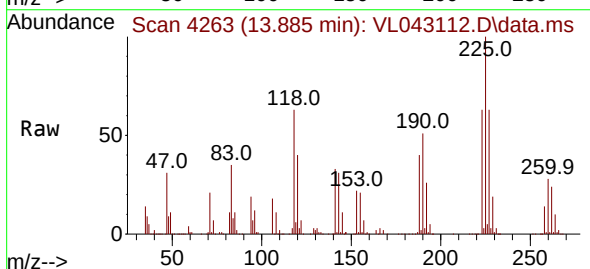
Tgt Ion:225 Resp: 144646

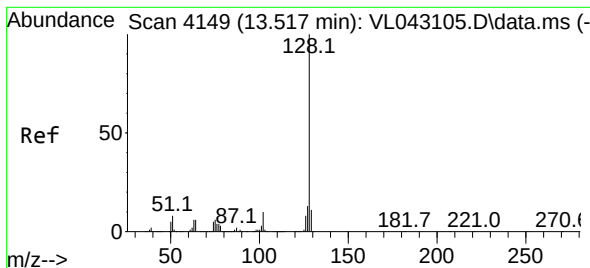
Ion Ratio Lower Upper

225 100

223 64.1 50.2 75.4

227 62.9 49.6 74.4





#79

Naphthalene

Concen: 8.334 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL101425

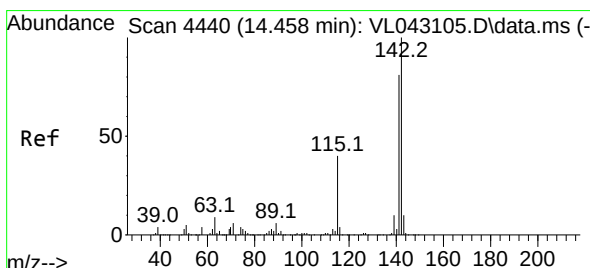
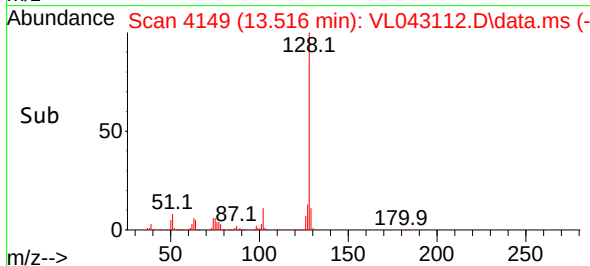
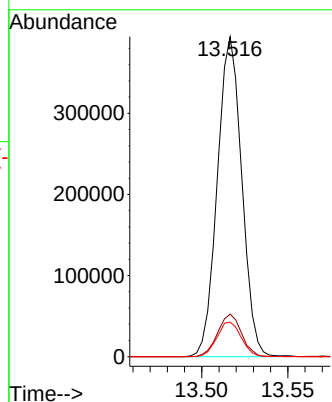
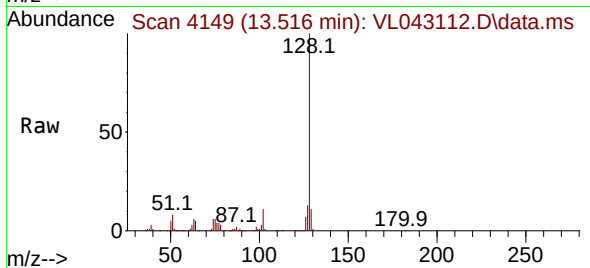
Tgt Ion:128 Resp: 389814

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	9.1	13.7

Manual Integrations

APPROVED

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



#80

Naphthalene,2-methyl-

Concen: 10.146 ppbv

RT: 14.458 min Scan# 4440

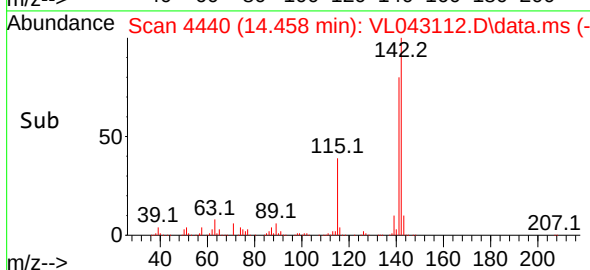
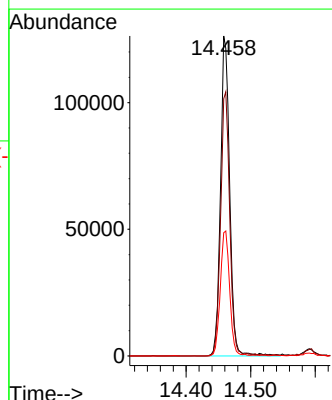
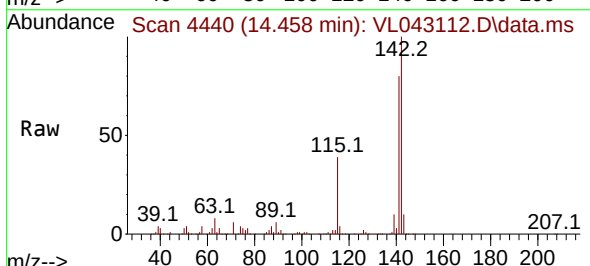
Delta R.T. -0.000 min

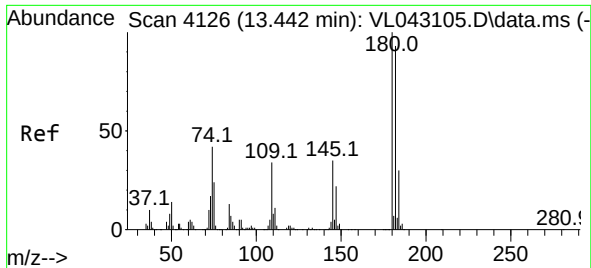
Lab File: VL043112.D

Acq: 14 Oct 2025 14:51

Tgt Ion:142 Resp: 123632

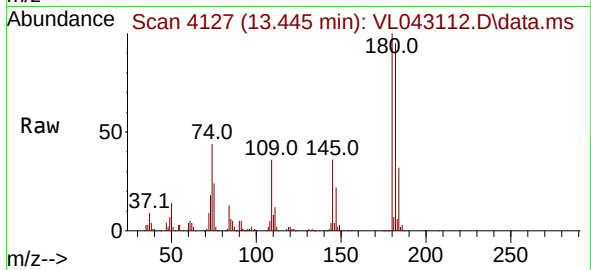
Ion	Ratio	Lower	Upper
142	100		
141	83.1	64.6	97.0
115	40.3	30.2	45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.373 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043112.D
 Acq: 14 Oct 2025 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL101425



Tgt Ion:180 Resp: 16255
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.5 113.3
 184 30.4 23.9 35.9

Manual Integrations
 APPROVED

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

