

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043106.D
 Acq On : 14 Oct 2025 11:27
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 01:51:55 2025

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

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

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	105309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	342939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313603	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 244329 10.024 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	31189	2.083	ppbv	99
3) Chlorodifluoromethane	1.476	51	33217	2.050	ppbv	96
4) Chloromethane	1.535	50	12185	2.054	ppbv	93
5) Vinyl Chloride	1.583	62	11114	1.911	ppbv	92
6) Bromomethane	1.671	94	6672	2.092	ppbv	95
7) Chloroethane	1.706	64	5008	2.106	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	25897	2.140	ppbv	100
9) Propene	1.486	41	15177	2.112	ppbv	94
10) Heptane	4.982	43	42790	2.078	ppbv	97
11) Trichlorofluoromethane	1.881	101	31114	2.125	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	25091	2.128	ppbv	100
13) Ethanol	1.722	45	6363	2.394	ppbv	95
14) Bromoethene	1.784	108	9087	2.075	ppbv	97
15) Acetone	1.836	43	31756	2.225	ppbv	97
16) 1,3-Butadiene	1.612	39	13668	2.021	ppbv	99
17) tert-Butyl alcohol	2.043	59	40738	2.091	ppbv	96
18) 1,1-Dichloroethene	2.036	96	10794	2.100	ppbv	99
19) Isopropyl Alcohol	1.888	45	18326	2.073	ppbv #	40
20) Methylene Chloride	2.062	84	10694	1.906	ppbv #	82
21) Allyl Chloride	2.098	41	21902	2.090	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	12511	2.036	ppbv	98
23) Vinyl Acetate	2.464	43	48282	2.322	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	25066	2.112	ppbv	99
25) Ethyl Acetate	2.836	43	74929	2.129	ppbv	99
26) Hexane	2.829	57	32595	2.010	ppbv	93
27) Carbon Disulfide	2.153	76	31705	2.134	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	16207	2.196	ppbv	98
29) Chloroform	2.849	83	48367	2.058	ppbv	99
30) Cyclohexane	3.859	84	29270	2.069	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	31925	2.061	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	51049	2.086	ppbv	98
34) 2-Butanone	2.558	43	48458	2.090	ppbv	99
35) Carbon Tetrachloride	3.765	117	51073	2.071	ppbv	97
36) Benzene	3.658	78	70156	2.172	ppbv	98
37) 1,2-Dichloroethane	3.218	62	38767	2.083	ppbv	100
38) Trichloroethene	4.551	130	27272	2.024	ppbv	96
39) 1,2-Dichloropropane	4.315	63	25427	2.151	ppbv	92
40) 1,4-Dioxane	4.584	88	11102m	2.101	ppbv	
41) Tetrahydrofuran	3.059	42	26362	2.037	ppbv	98
42) Bromodichloromethane	4.496	83	54224	2.106	ppbv #	93
43) Methyl Methacrylate	4.878	69	33805	2.051	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	115417	2.137	ppbv	99
45) t-1,3-Dichloropropene	6.416	75	34728	2.109	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
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 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 01:51:55 2025

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

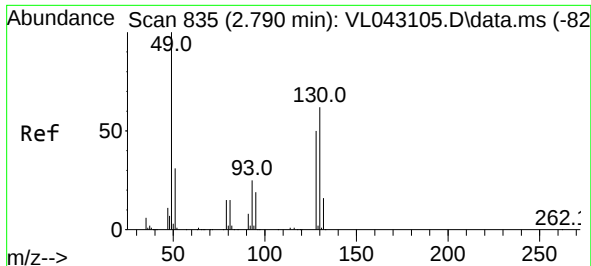
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

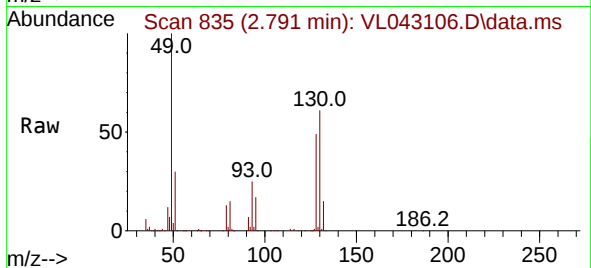
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	41365m	2.105	ppbv	
47) 1,1,2-Trichloroethane	6.584	97	26359	2.067	ppbv	94
48) Dibromochloromethane	7.390	129	45751	2.146	ppbv	99
49) Bromoform	9.484	173	37314	2.153	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	66811	2.089	ppbv	99
51) 2-Hexanone	7.438	43	50642	2.122	ppbv #	99
52) Tetrachloroethene	8.228	164	24183	2.076	ppbv	91
53) Toluene	6.937	91	80660	2.104	ppbv	99
54) 1,2-Dibromoethane	7.655	107	42320	2.103	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.924	131	41712	2.110	ppbv	94
57) Chlorobenzene	8.924	112	62714	2.138	ppbv	97
58) Ethyl Benzene	9.354	91	114403	2.109	ppbv	99
59) m/p-Xylene	9.532	91	185190m	4.311	ppbv	
60) o-Xylene	9.963	91	91223	2.152	ppbv	98
61) Styrene	9.872	104	41631	2.175	ppbv	98
62) Isopropylbenzene	10.539	105	164073	2.142	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	58510	2.061	ppbv	99
64) n-propylbenzene	10.989	120	43648	2.152	ppbv	96
65) tert-Butylbenzene	11.529	119	148300	2.192	ppbv	99
66) Benzyl Chloride	11.617	91	15656	2.072	ppbv	98
67) sec-Butylbenzene	11.769	105	210525	2.193	ppbv	99
69) p-Isopropyltoluene	11.928	119	180060	2.207	ppbv	99
70) n-Butylbenzene	12.284	91	178676	2.222	ppbv	98
71) 2-Chlorotoluene	10.902	91	126551	2.166	ppbv	99
72) 4-Ethyltoluene	11.125	105	113233	2.172	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	92650	2.155	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	104352	2.169	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	62709	2.247	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	60877	2.164	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	57304	2.123	ppbv	97
78) Hexachloro-1,3-Butadiene	13.883	225	46796	2.239	ppbv	98
79) Naphthalene	13.514	128	123642	2.488	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	32308	2.462	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	50394	2.414	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 835
Delta R.T. 0.001 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

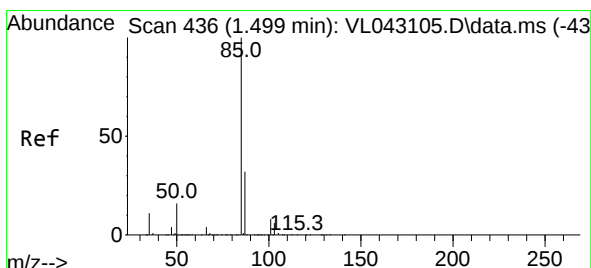
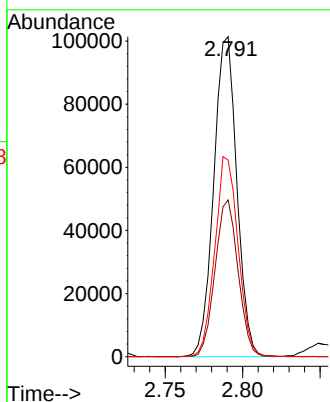
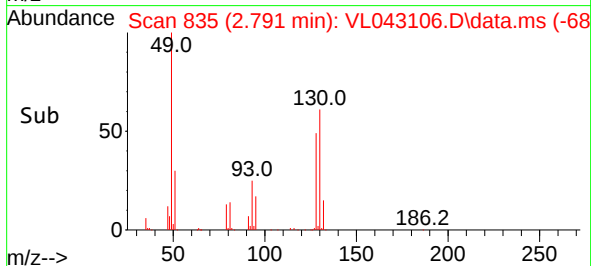
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 49 Resp: 105309
Ion Ratio Lower Upper
49 100
128 48.8 24.4 73.4
130 62.8 31.0 93.0

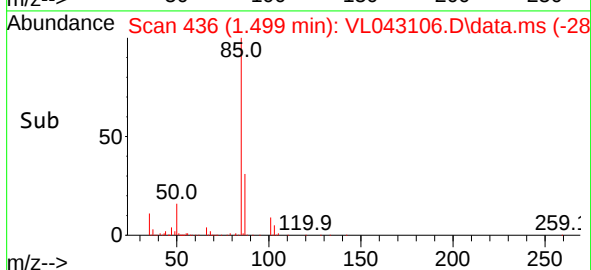
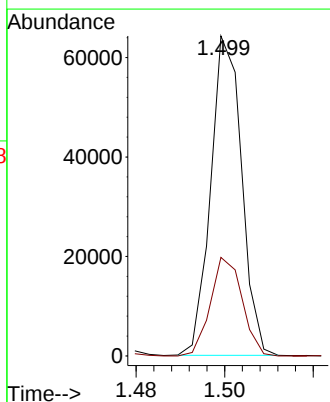
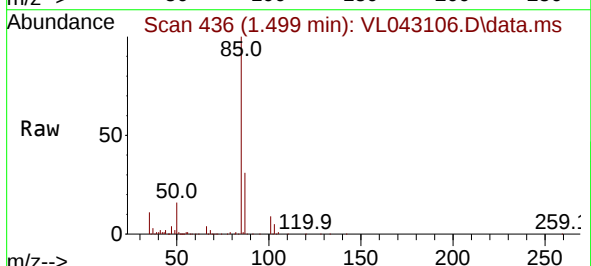
Manual Integrations
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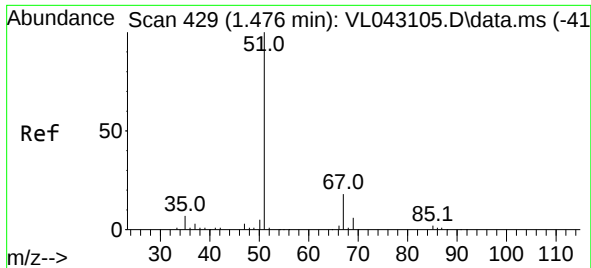
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#2
Dichlorodifluoromethane
Concen: 2.083 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 31189
Ion Ratio Lower Upper
85 100
87 30.9 25.3 37.9





#3

Chlorodifluoromethane

Concen: 2.050 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 51 Resp: 3321

Ion Ratio Lower Upper

51 100

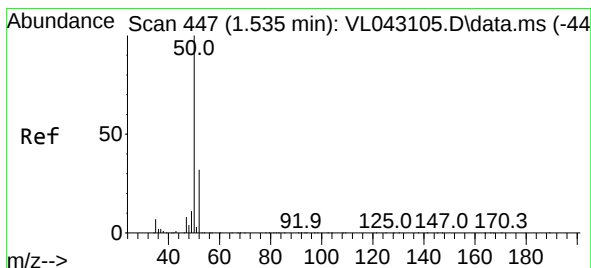
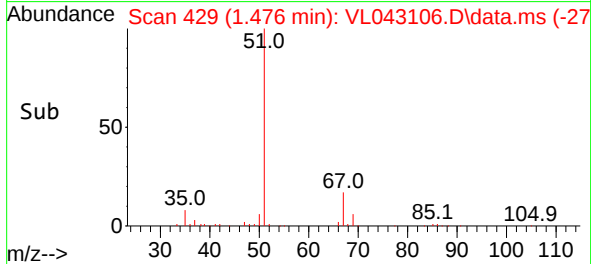
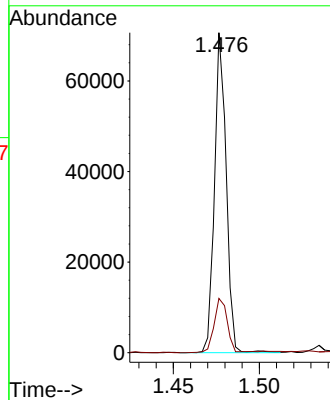
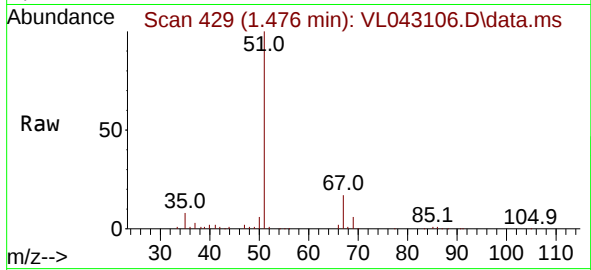
67 20.6 15.1 22.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#4

Chloromethane

Concen: 2.054 ppbv

RT: 1.535 min Scan# 447

Delta R.T. 0.000 min

Lab File: VL043106.D

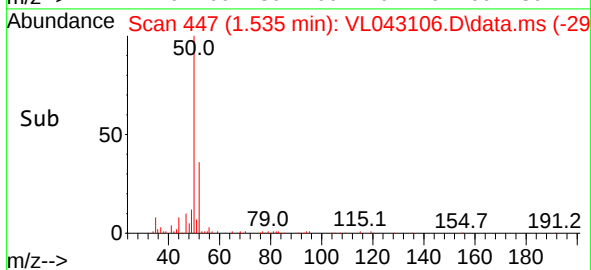
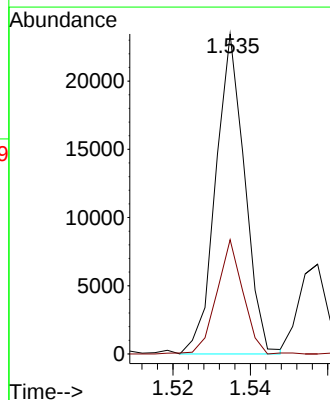
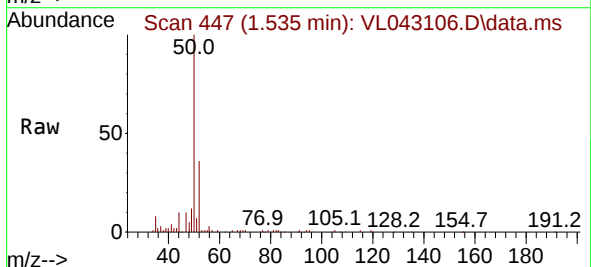
Acq: 14 Oct 2025 11:27

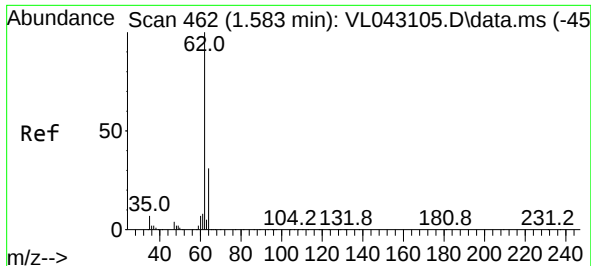
Tgt Ion: 50 Resp: 12185

Ion Ratio Lower Upper

50 100

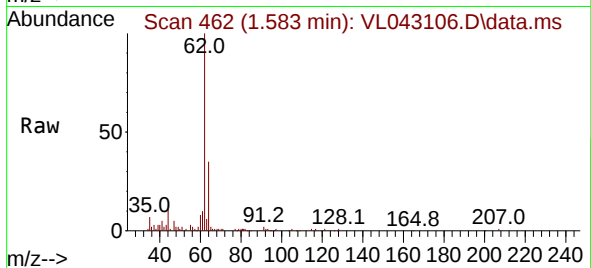
52 35.4 25.2 37.8





#5
 Vinyl Chloride
 Concen: 1.911 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

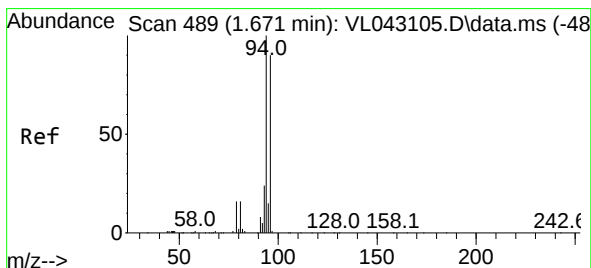
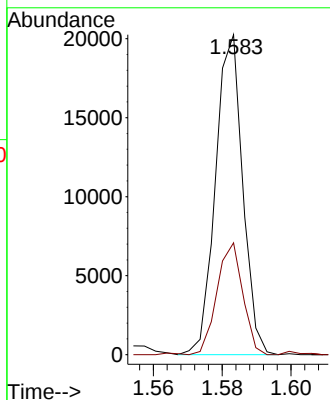
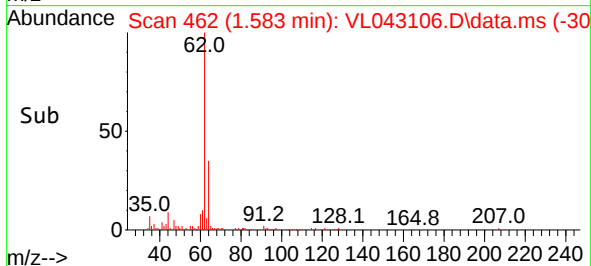
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



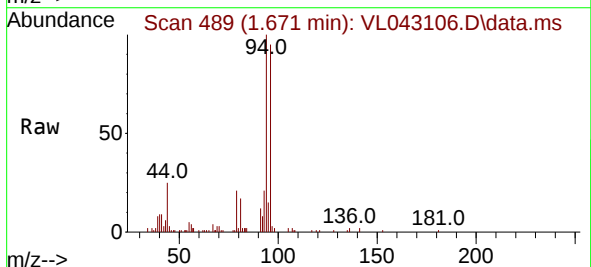
Tgt Ion: 62 Resp: 11114
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.6 36.8

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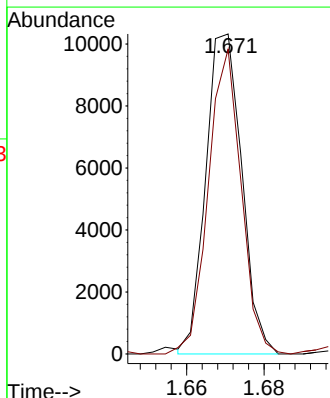
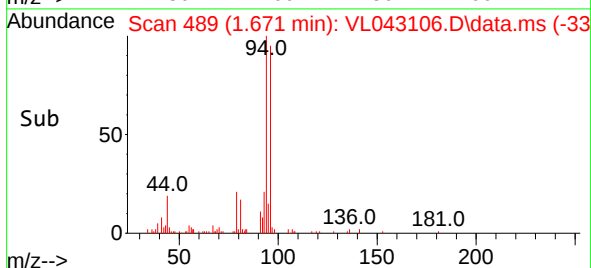
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

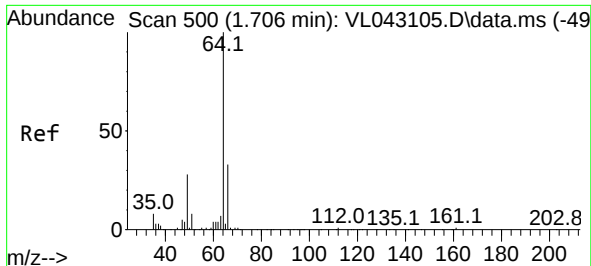


#6
 Bromomethane
 Concen: 2.092 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27



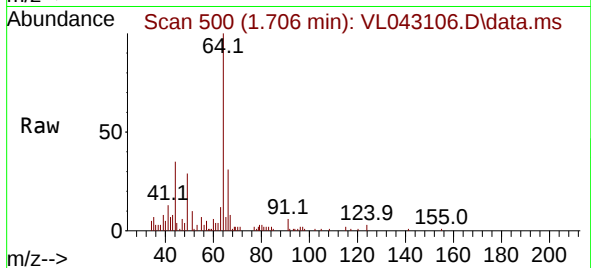
Tgt Ion: 94 Resp: 6672
 Ion Ratio Lower Upper
 94 100
 96 94.6 72.2 108.4





#7
Chloroethane
Concen: 2.106 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

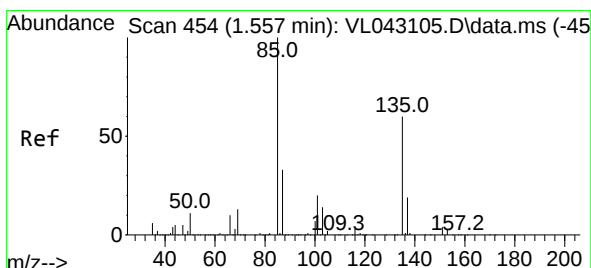
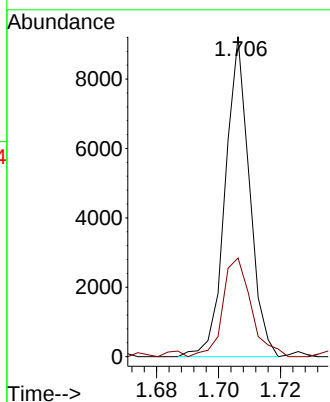
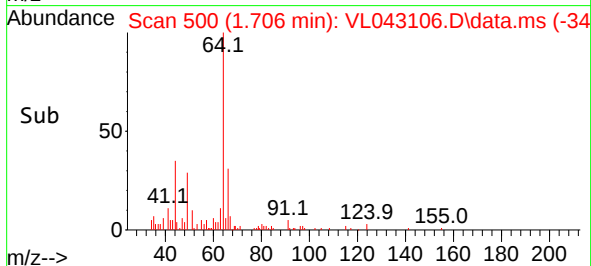
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 5008
Ion Ratio Lower Upper
64 100
66 30.8 26.0 39.0

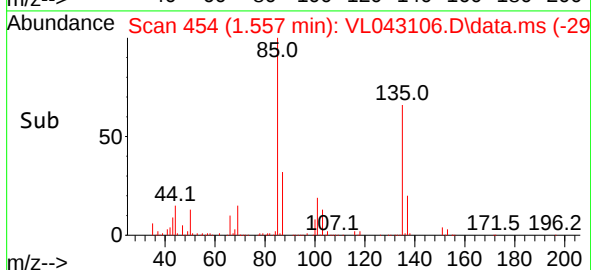
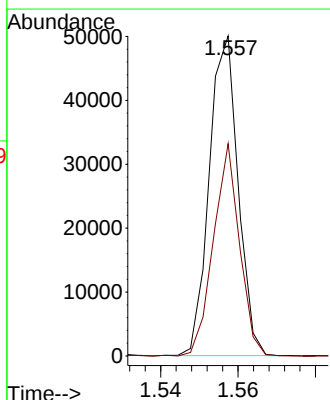
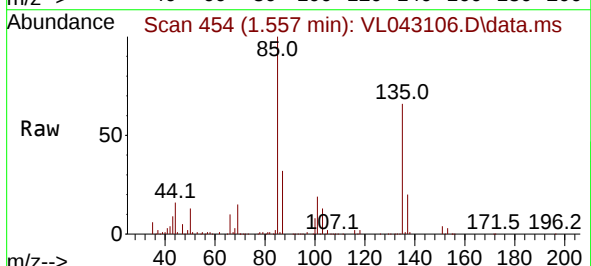
Manual Integrations
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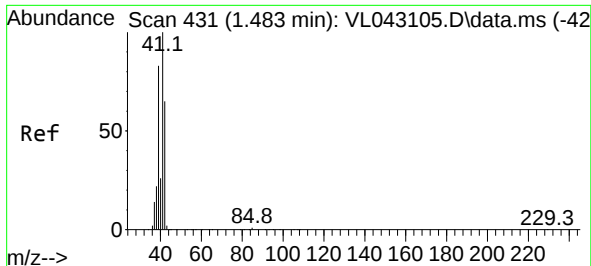
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#8
Dichlorotetrafluoroethane
Concen: 2.140 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 85 Resp: 25897
Ion Ratio Lower Upper
85 100
135 60.1 48.2 72.4





#9

Propene

Concen: 2.112 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 1517

Ion Ratio Lower Upper

41 100

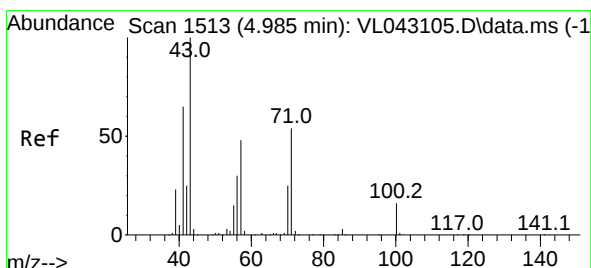
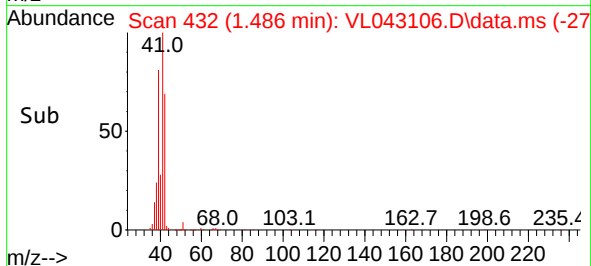
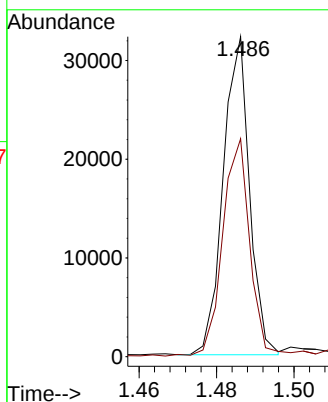
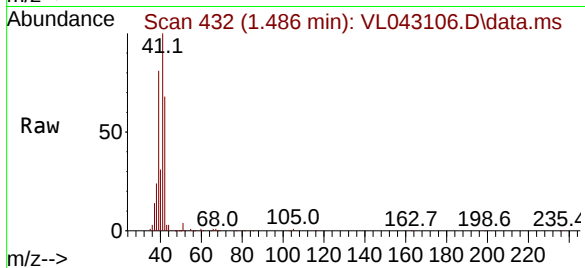
42 74.0 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#10

Heptane

Concen: 2.078 ppbv

RT: 4.982 min Scan# 1512

Delta R.T. -0.003 min

Lab File: VL043106.D

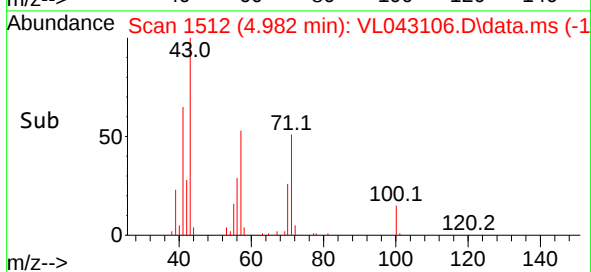
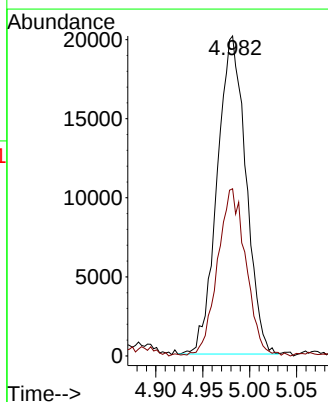
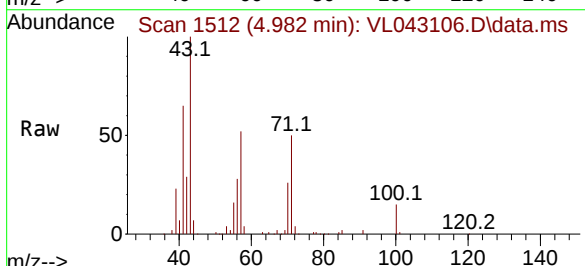
Acq: 14 Oct 2025 11:27

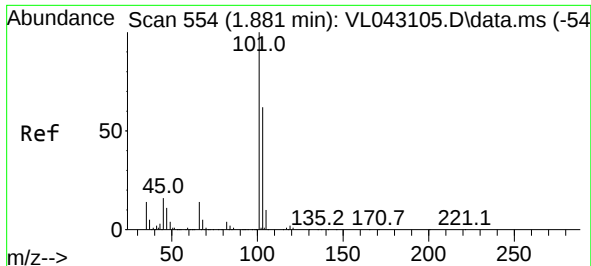
Tgt Ion: 43 Resp: 42790

Ion Ratio Lower Upper

43 100

57 52.8 40.8 61.2





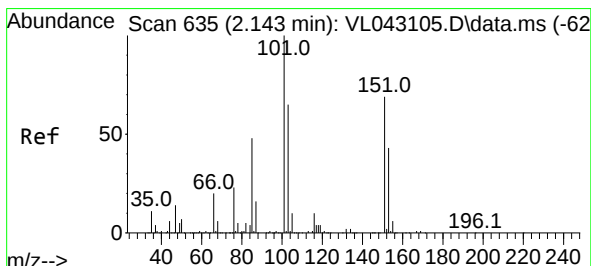
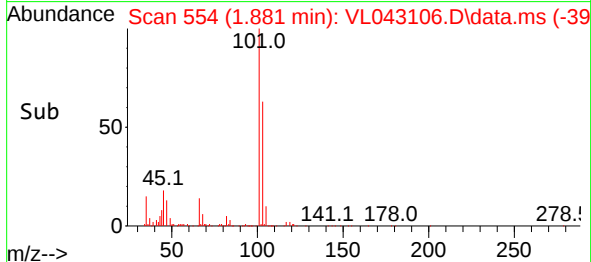
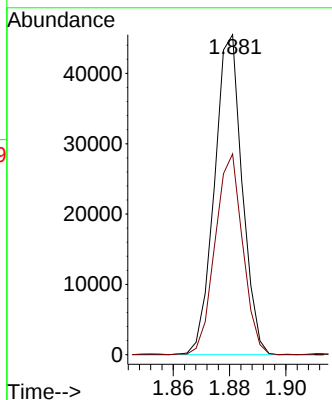
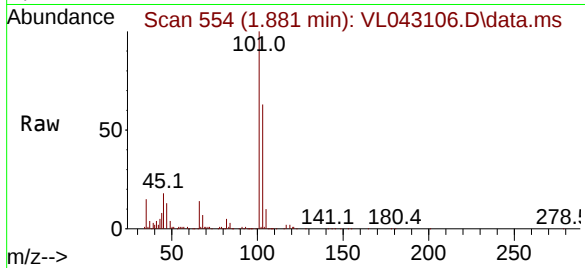
#11
Trichlorofluoromethane
Concen: 2.125 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:101 Resp: 31114
Ion Ratio Lower Upper
101 100
103 62.8 49.3 73.9

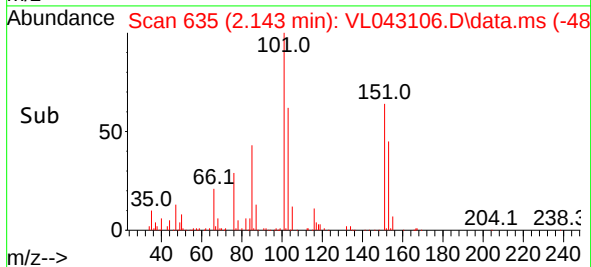
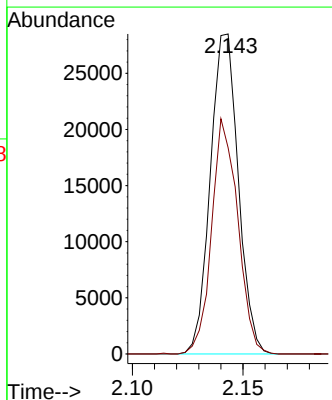
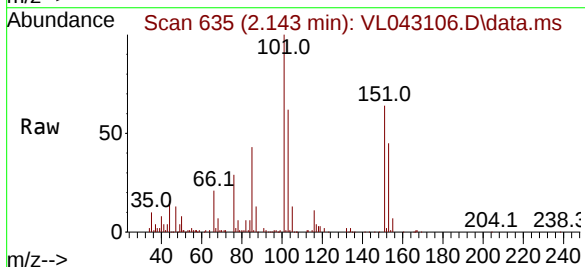
Manual Integrations
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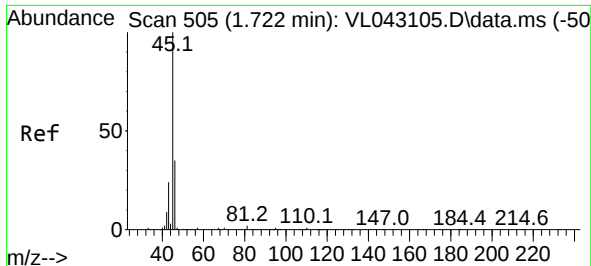
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.128 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

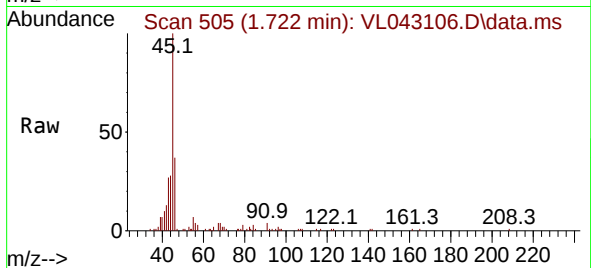
Tgt Ion:101 Resp: 25091
Ion Ratio Lower Upper
101 100
151 68.5 54.7 82.1





#13
Ethanol
Concen: 2.394 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

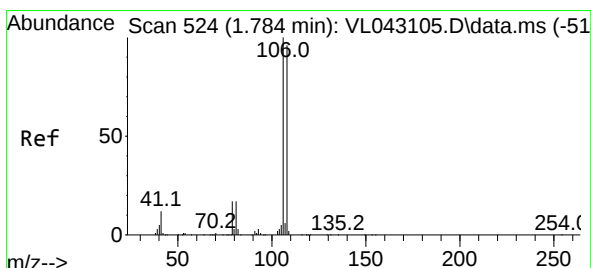
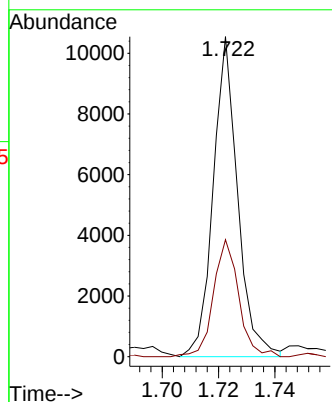
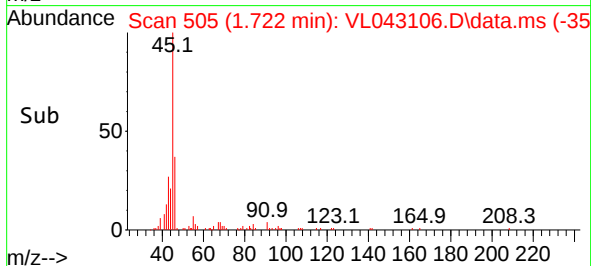
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



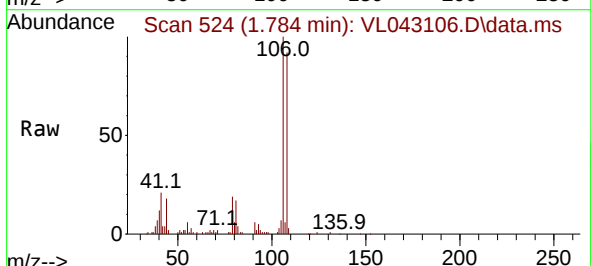
Tgt Ion: 45 Resp: 636
Ion Ratio Lower Upper
45 100
46 39.6 14.7 58.9

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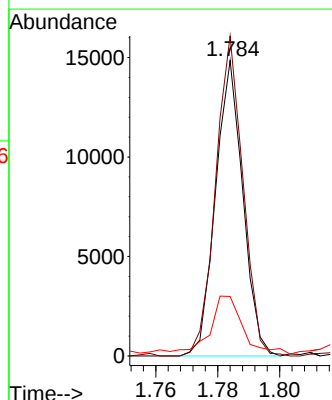
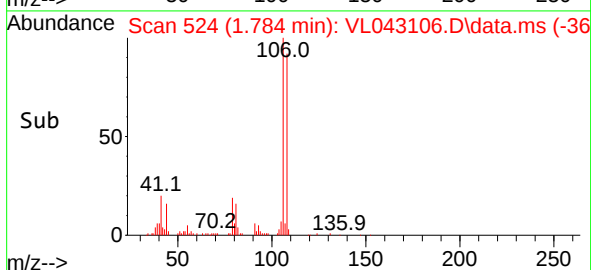
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

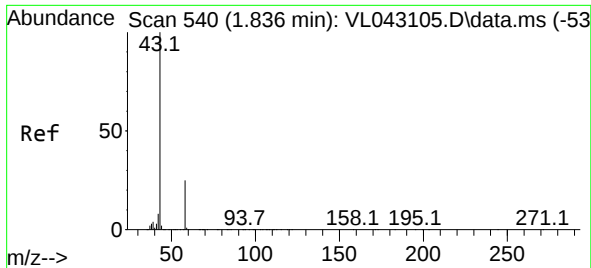


#14
Bromoethene
Concen: 2.075 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



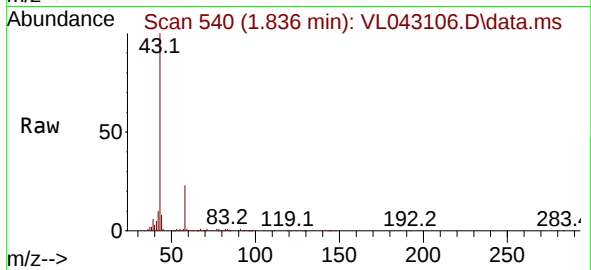
Tgt Ion:108 Resp: 9087
Ion Ratio Lower Upper
108 100
106 109.1 84.4 126.6
79 19.1 15.3 22.9





#15
Acetone
Concen: 2.225 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

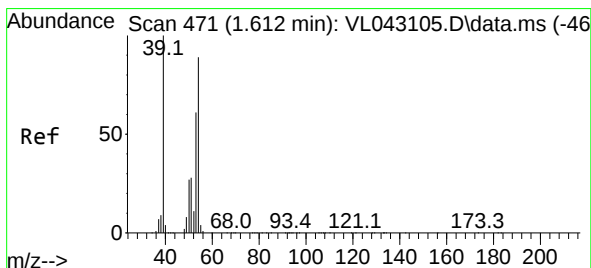
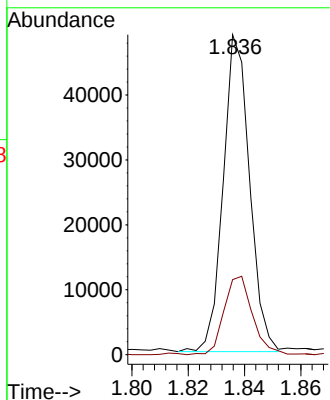
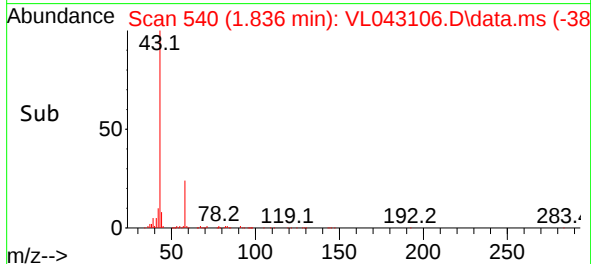
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



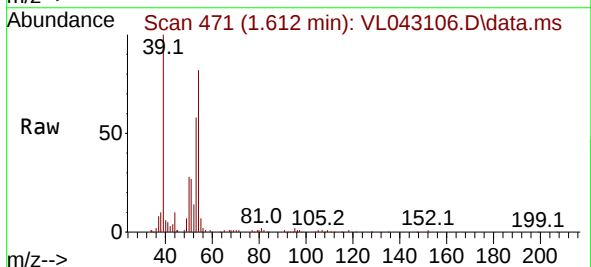
Tgt Ion: 43 Resp: 31750
Ion Ratio Lower Upper
43 100
58 27.3 20.8 31.2

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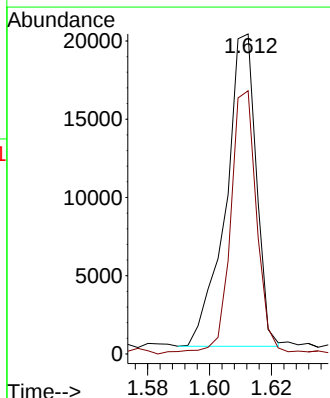
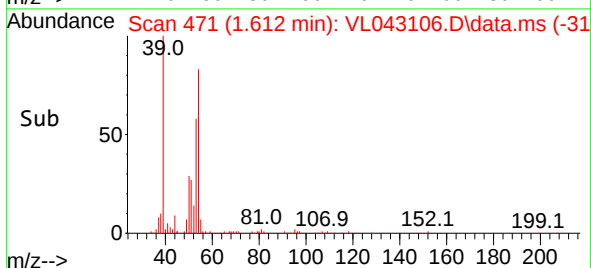
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

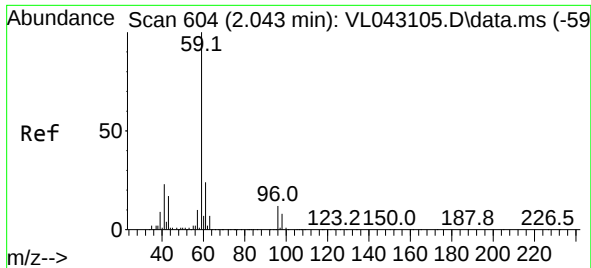


#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



Tgt Ion: 39 Resp: 13668
Ion Ratio Lower Upper
39 100
54 74.3 59.0 88.4





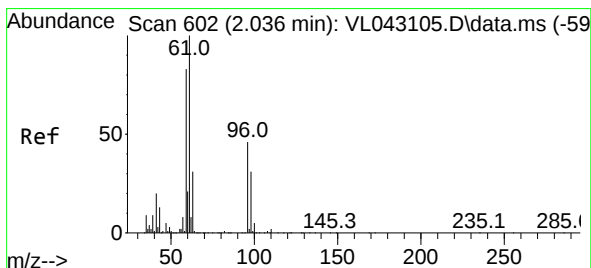
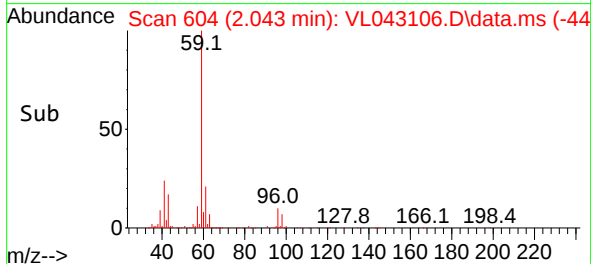
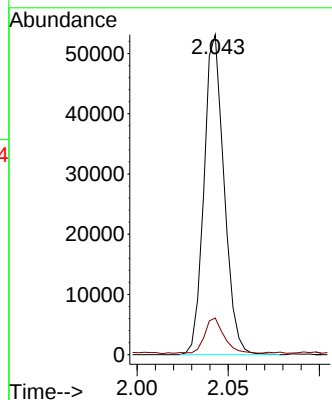
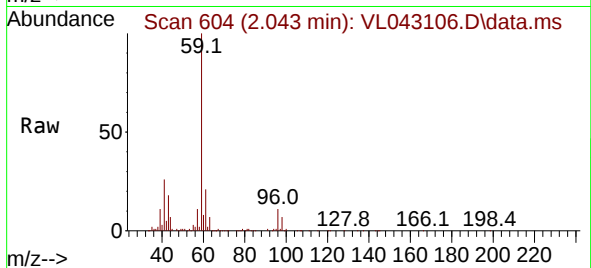
#17
tert-Butyl alcohol
Concen: 2.091 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 40738
Ion Ratio Lower Upper
59 100
57 11.9 8.2 12.4

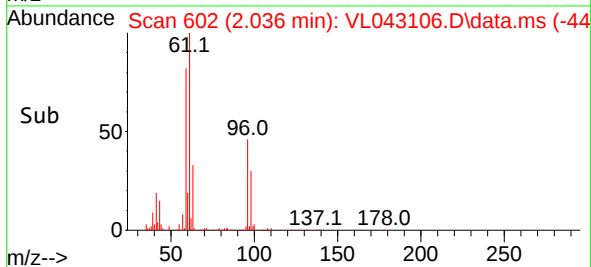
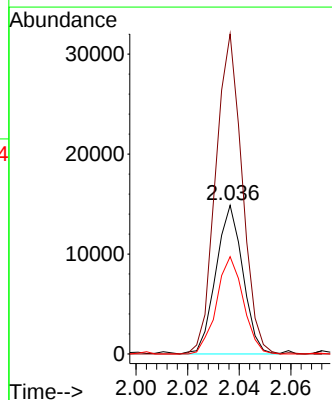
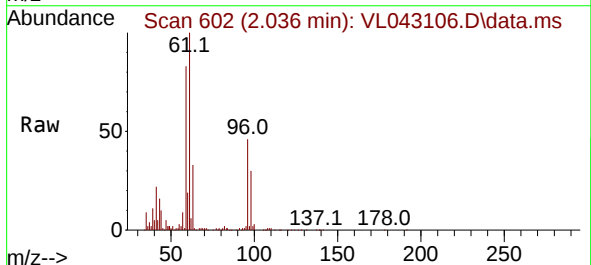
Manual Integrations
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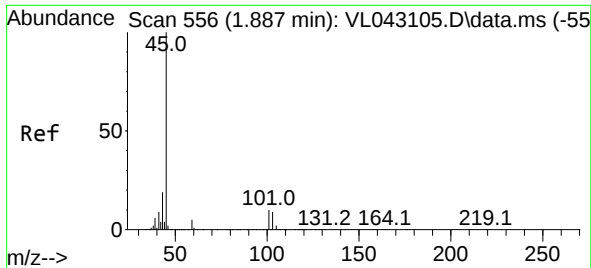
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#18
1,1-Dichloroethene
Concen: 2.100 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

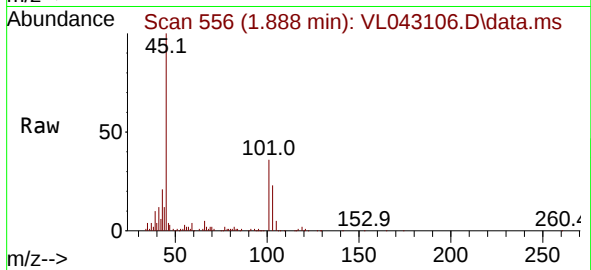
Tgt Ion: 96 Resp: 10794
Ion Ratio Lower Upper
96 100
61 215.2 173.4 260.0
98 65.4 53.2 79.8





#19
Isopropyl Alcohol
Concen: 2.073 ppbv
RT: 1.888 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

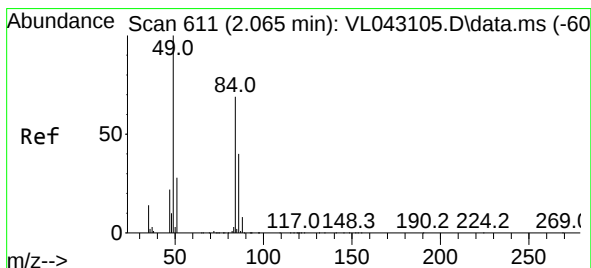
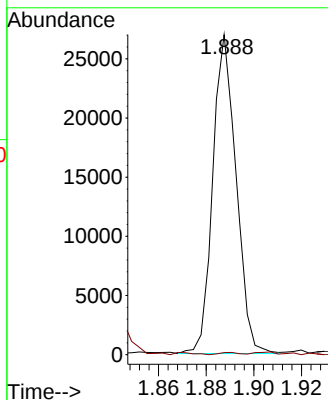
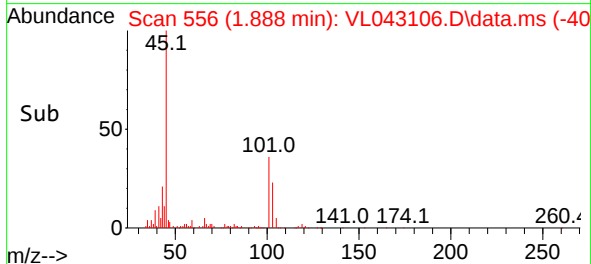
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



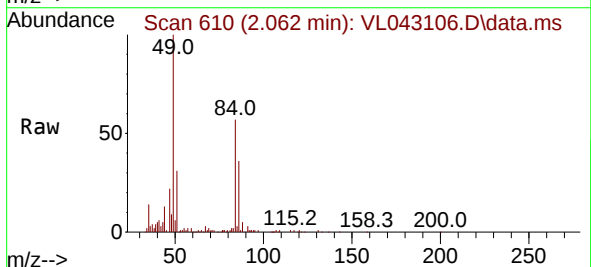
Tgt Ion: 45 Resp: 18320
Ion Ratio Lower Upper
45 100
58 2.3 31.3 46.9

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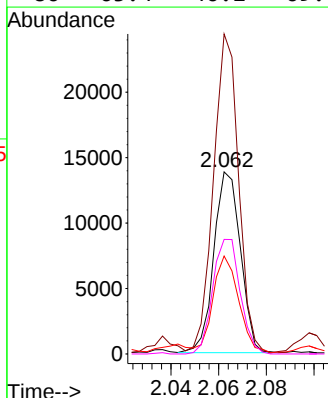
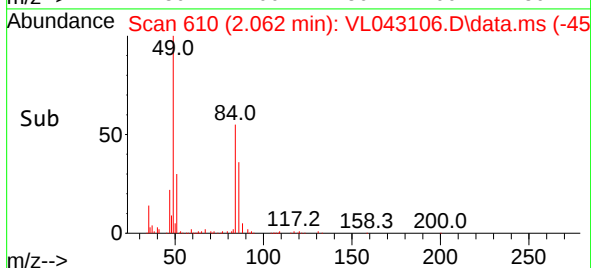
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

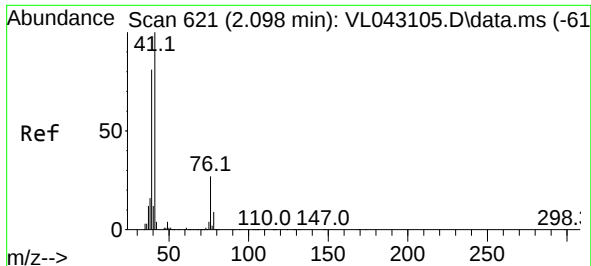


#20
Methylene Chloride
Concen: 1.906 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



Tgt Ion: 84 Resp: 10694
Ion Ratio Lower Upper
84 100
49 175.6 116.6 175.0#
51 53.2 34.8 52.2#
86 63.4 46.2 69.4





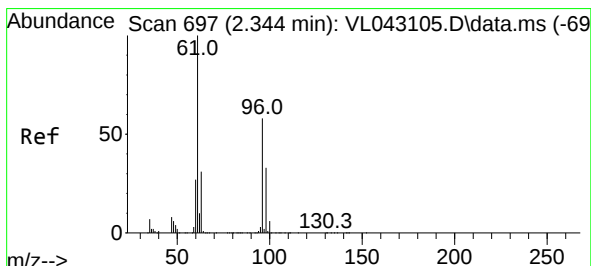
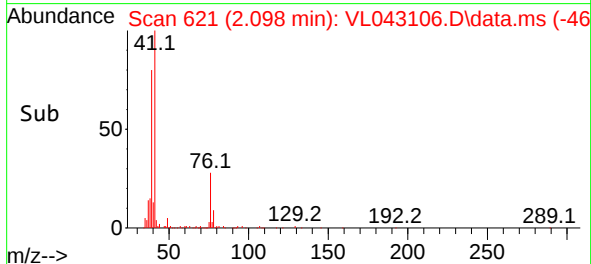
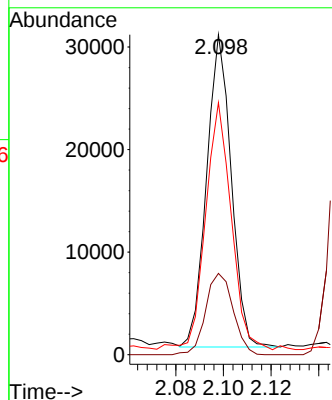
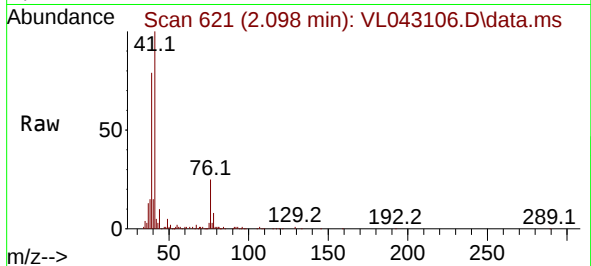
#21
 Allyl Chloride
 Concen: 2.090 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 2190
 Ion Ratio Lower Upper
 41 100
 76 28.9 21.5 32.3
 39 83.1 60.8 91.2

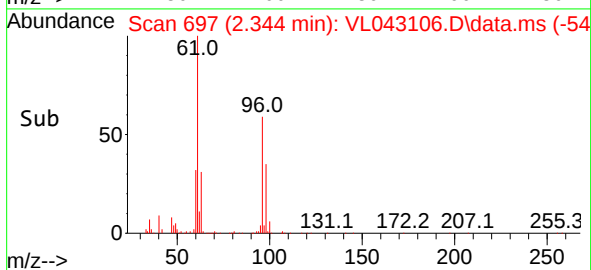
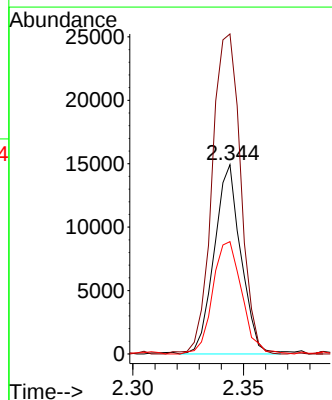
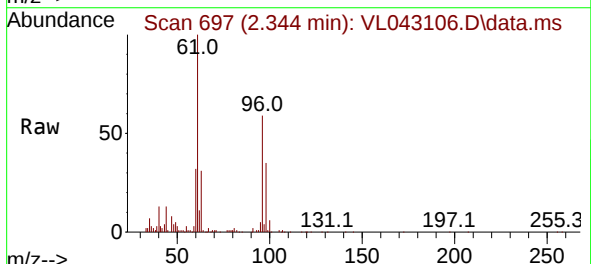
Manual Integrations
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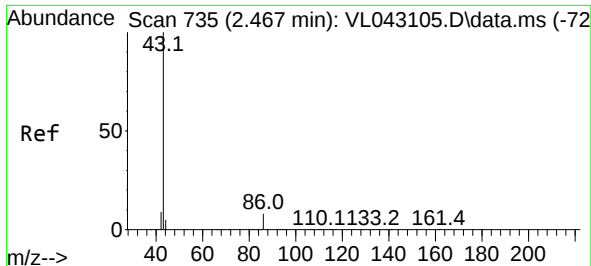
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.036 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

Tgt Ion: 96 Resp: 12511
 Ion Ratio Lower Upper
 96 100
 61 169.0 137.0 205.6
 98 59.3 45.5 68.3





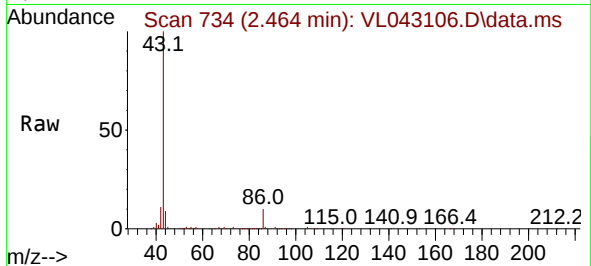
#23
 Vinyl Acetate
 Concen: 2.322 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

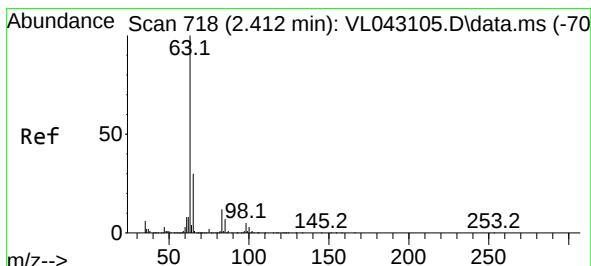
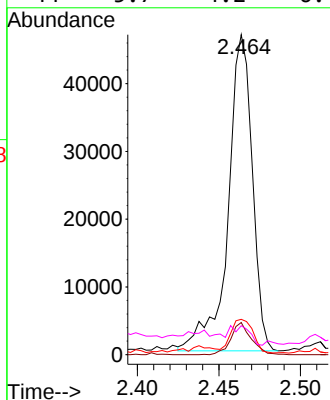
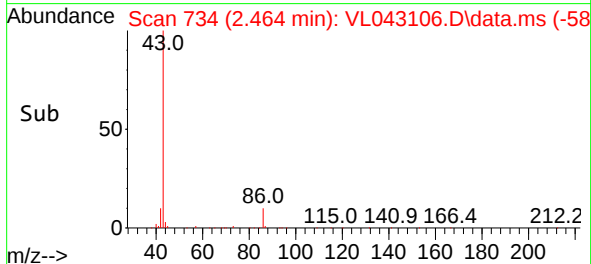


Tgt Ion: 43 Resp: 4828
 Ion Ratio Lower Upper
 43 100
 86 10.1 6.2 9.2
 42 10.6 7.6 11.4
 44 5.7 4.2 6.4

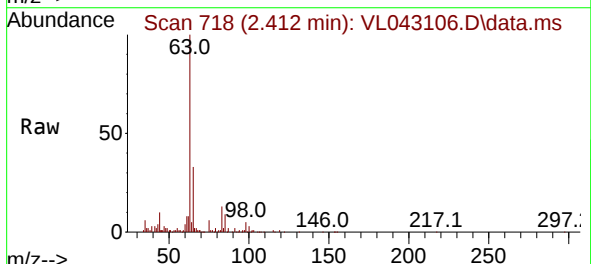
Manual Integrations

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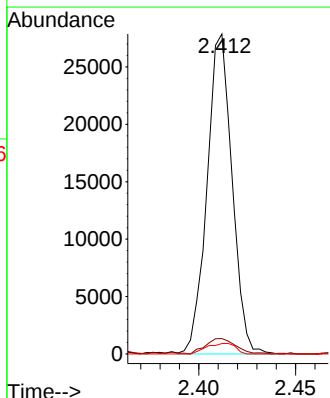
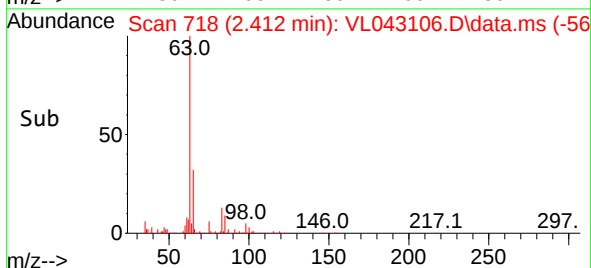
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

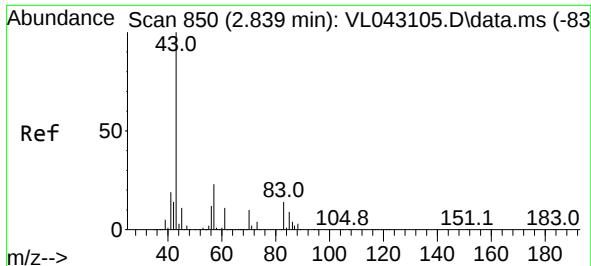


#24
 1,1-Dichloroethane
 Concen: 2.112 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27



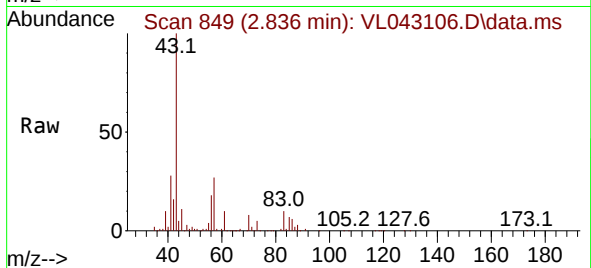
Tgt Ion: 63 Resp: 25066
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.6 7.8
 100 3.2 1.5 4.4





#25
Ethyl Acetate
Concen: 2.129 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

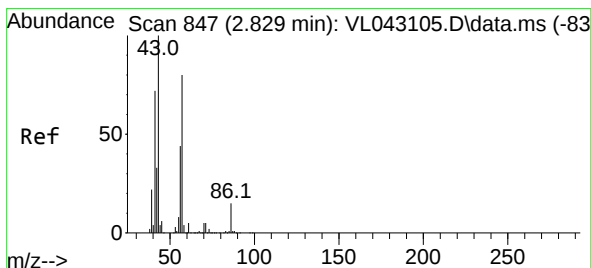
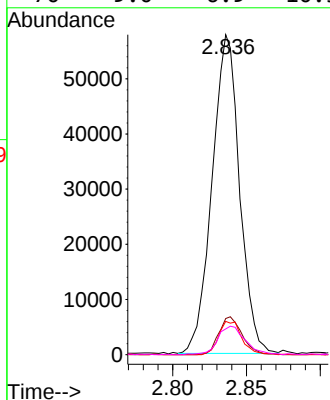
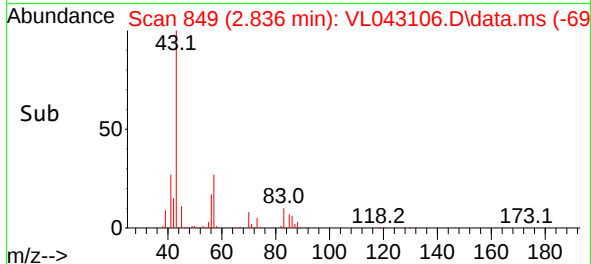
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 43 Resp: 74929
Ion Ratio Lower Upper
43 100
45 10.1 7.8 11.8
61 8.9 7.0 10.6
70 9.0 6.9 10.3

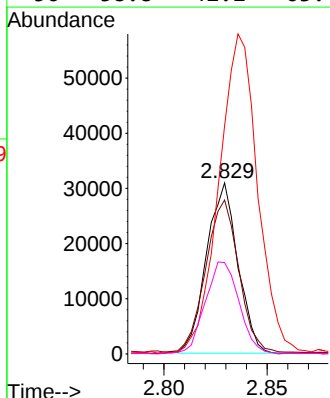
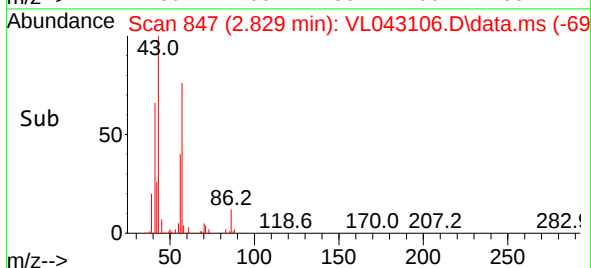
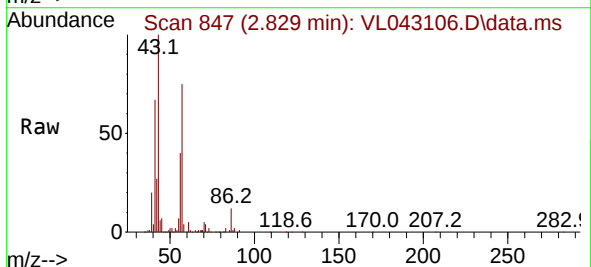
Manual Integrations
APPROVED

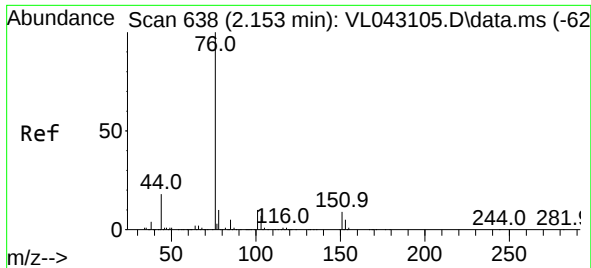
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#26
Hexane
Concen: 2.010 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 57 Resp: 32595
Ion Ratio Lower Upper
57 100
41 96.4 71.4 107.0
43 233.0 178.5 267.7
56 58.8 42.2 63.4





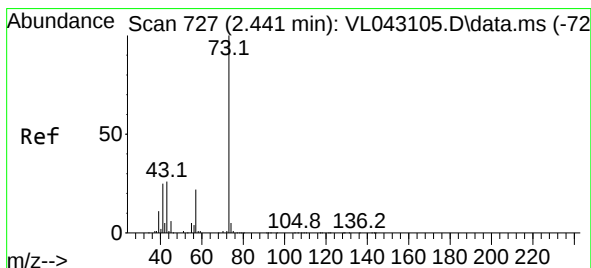
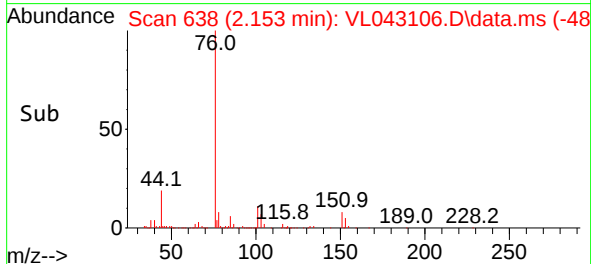
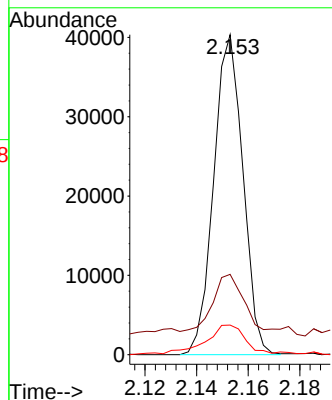
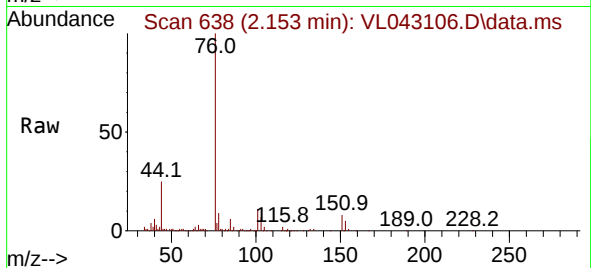
#27
Carbon Disulfide
Concen: 2.134 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 3170
Ion Ratio Lower Upper
76 100
44 23.1 16.7 25.1
78 13.6 9.3 13.9

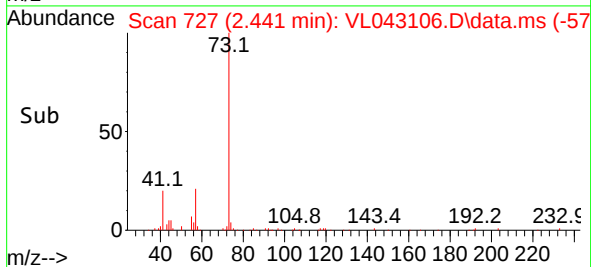
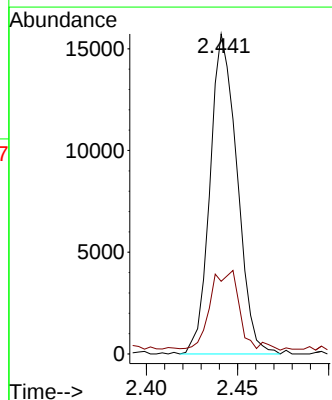
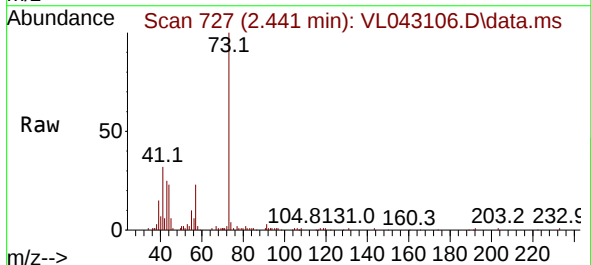
Manual Integrations
APPROVED

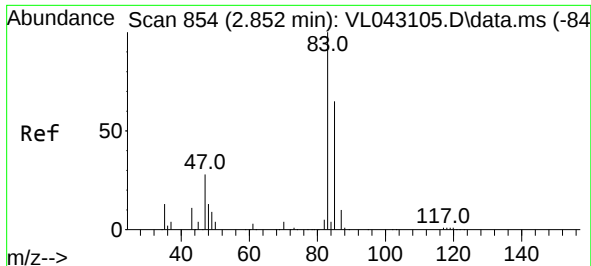
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#28
Methyl tert-Butyl Ether
Concen: 2.196 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 73 Resp: 16207
Ion Ratio Lower Upper
73 100
57 26.6 20.5 30.7





#29

Chloroform

Concen: 2.058 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 4836

Ion Ratio Lower Upper

83 100

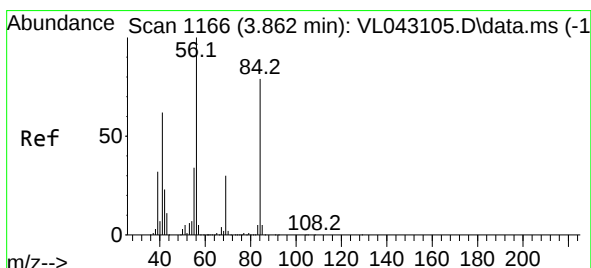
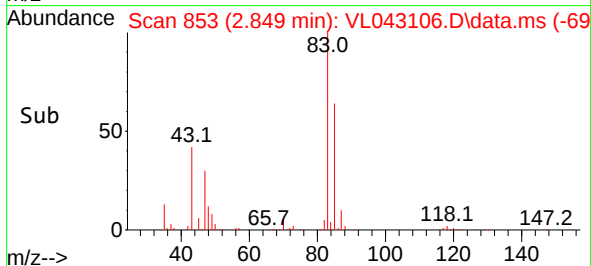
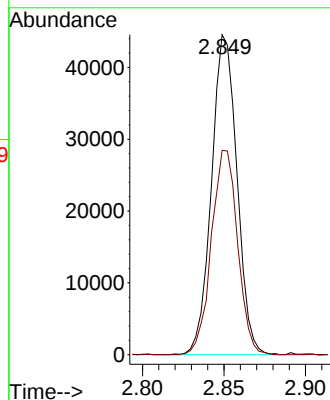
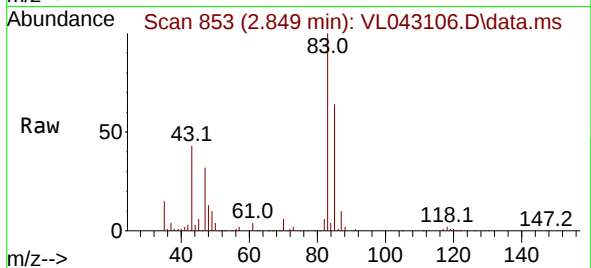
85 63.9 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#30

Cyclohexane

Concen: 2.069 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

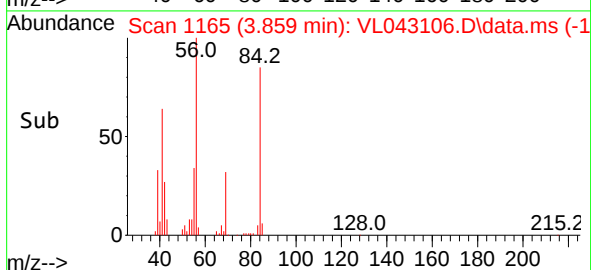
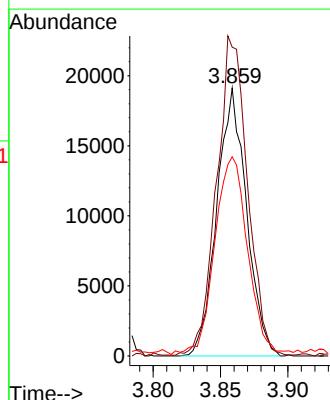
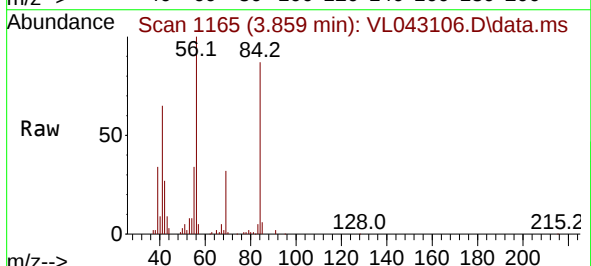
Tgt Ion: 84 Resp: 29270

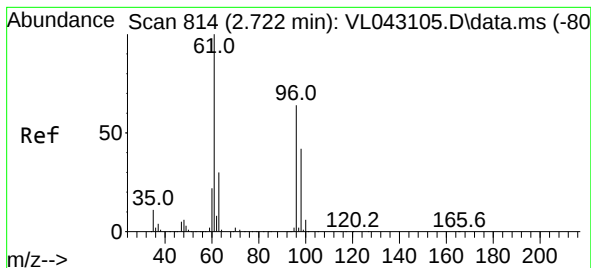
Ion Ratio Lower Upper

84 100

56 125.6 100.9 151.3

41 79.0 63.8 95.6





#31

cis-1,2-Dichloroethene

Concen: 2.061 ppbv

RT: 2.723 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

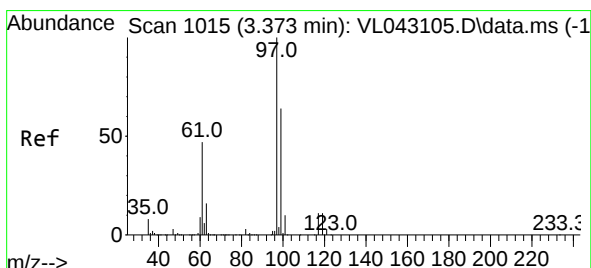
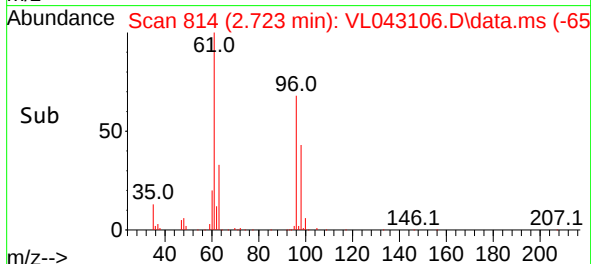
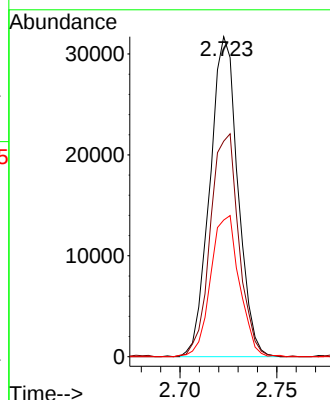
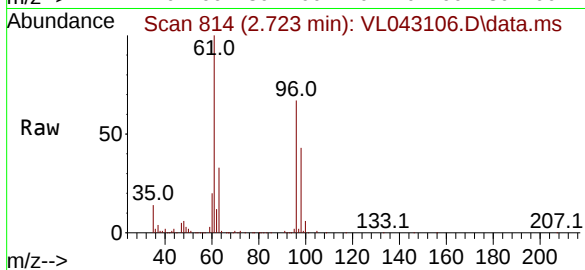
VSTDICC002

Tgt Ion:	61	Resp:	3192
Ion Ratio	Lower	Upper	
61	100		
96	67.3	51.0	76.6
98	42.3	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: 2.086 ppbv

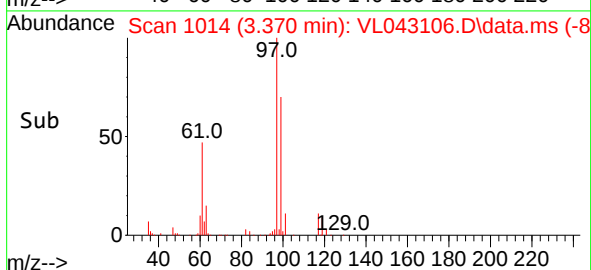
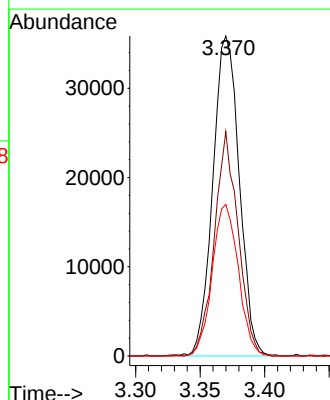
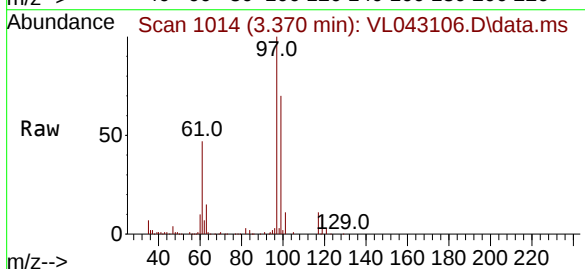
RT: 3.370 min Scan# 1014

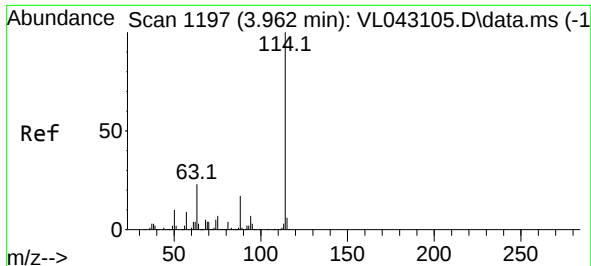
Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

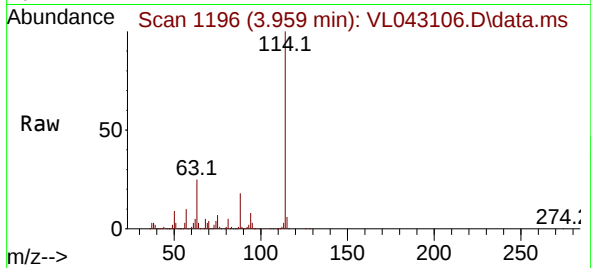
Tgt Ion:	97	Resp:	51049
Ion Ratio	Lower	Upper	
97	100		
99	62.8	51.3	76.9
61	46.9	38.4	57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

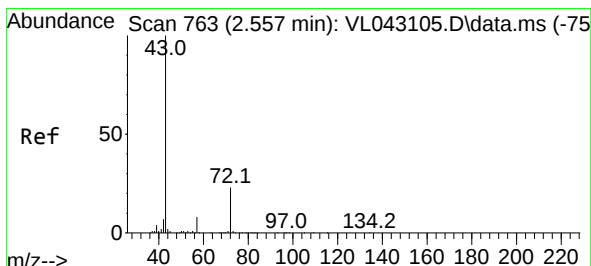
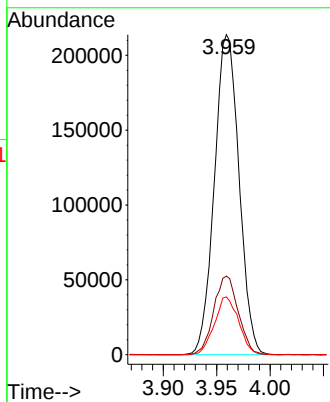
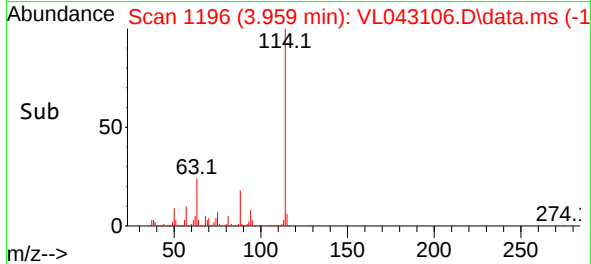
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 342939
Ion Ratio Lower Upper
114 100
63 24.5 19.3 28.9
88 17.8 13.9 20.9

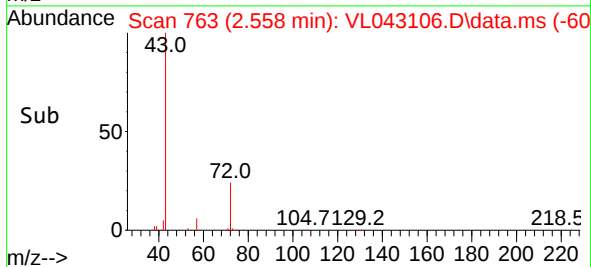
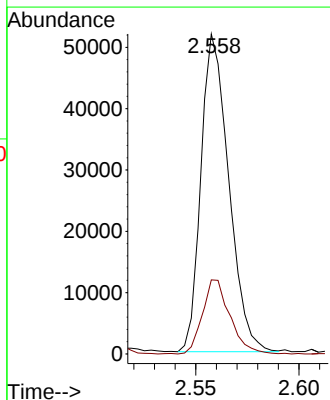
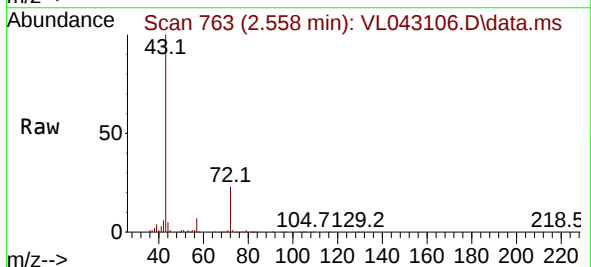
Manual Integrations
APPROVED

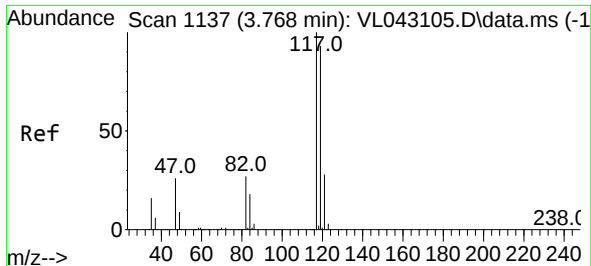
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#34
2-Butanone
Concen: 2.090 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

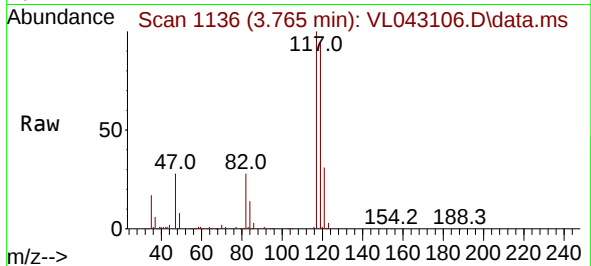
Tgt Ion: 43 Resp: 48458
Ion Ratio Lower Upper
43 100
72 23.3 18.4 27.6





#35
Carbon Tetrachloride
Concen: 2.071 ppbv
RT: 3.765 min Scan# 1137
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

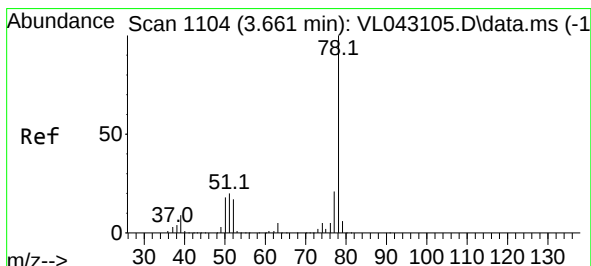
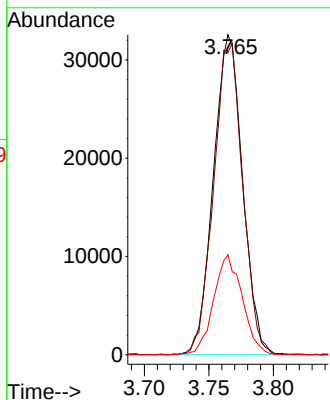
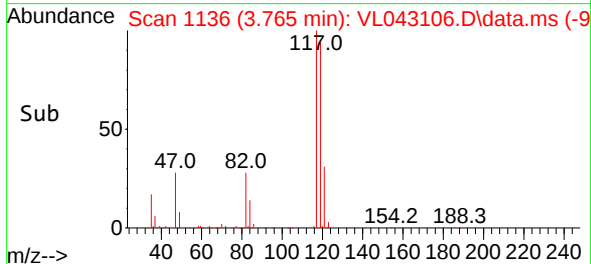
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



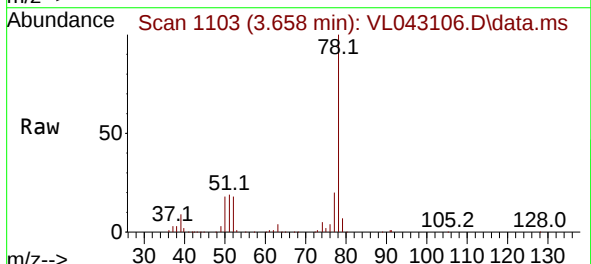
Tgt Ion: 117 Resp: 5107
Ion Ratio Lower Upper
117 100
119 94.2 74.1 111.1
121 31.3 22.2 33.2

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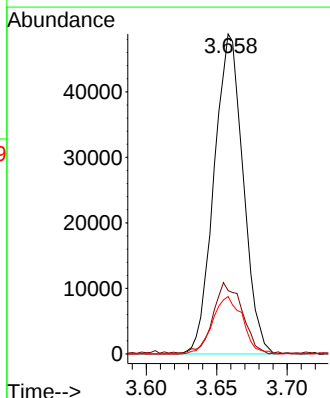
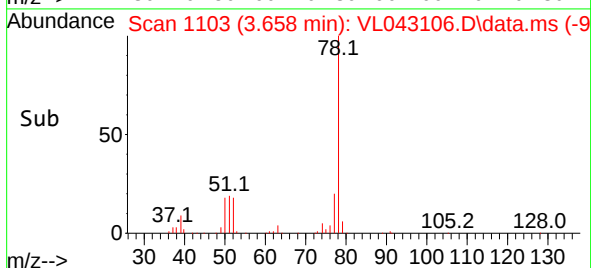
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

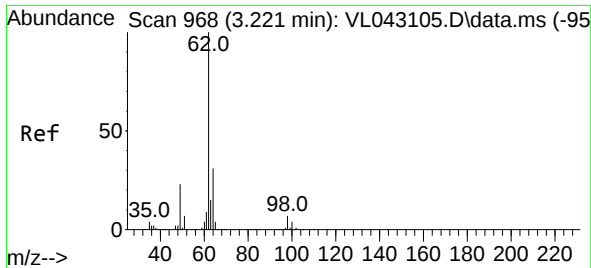


#36
Benzene
Concen: 2.172 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



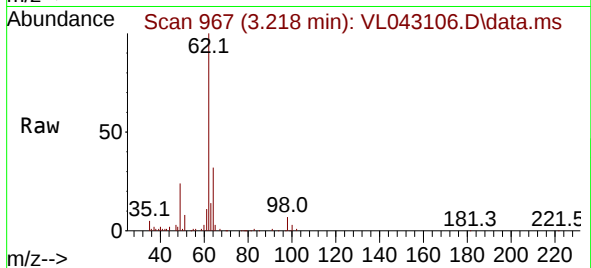
Tgt Ion: 78 Resp: 70156
Ion Ratio Lower Upper
78 100
77 19.5 17.0 25.6
50 18.0 14.6 22.0





#37
1,2-Dichloroethane
Concen: 2.083 ppbv
RT: 3.218 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

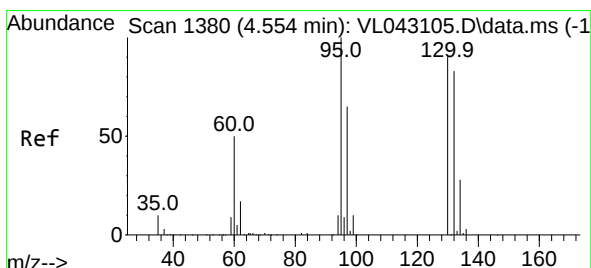
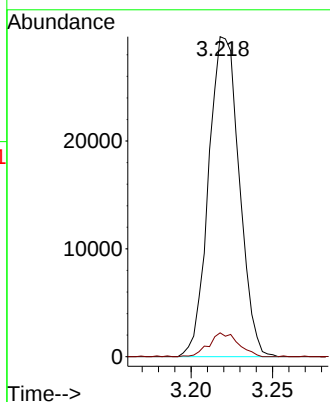
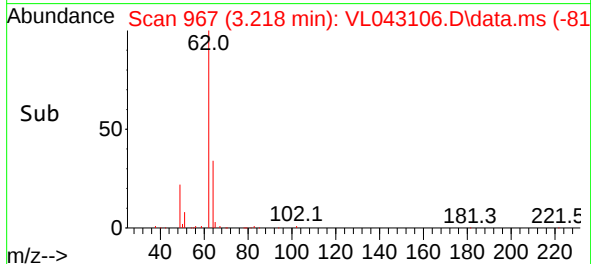
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 62 Resp: 3876
Ion Ratio Lower Upper
62 100
98 7.3 5.8 8.6

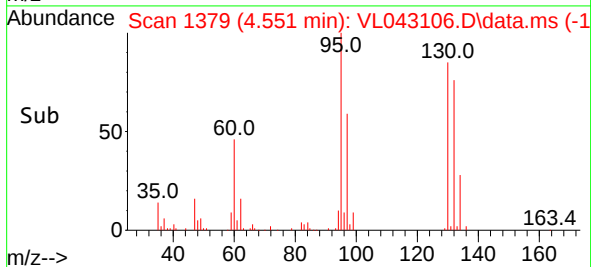
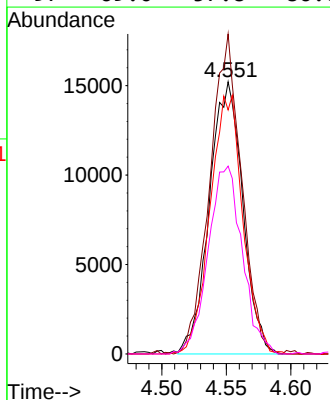
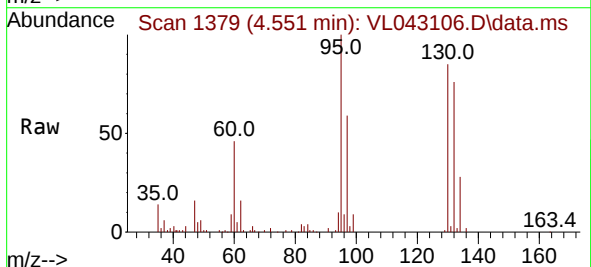
Manual Integrations
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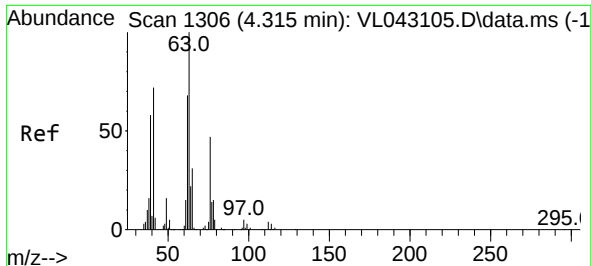
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 2.024 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:130 Resp: 27272
Ion Ratio Lower Upper
130 100
95 117.1 88.6 133.0
132 89.0 73.4 110.0
97 69.0 57.8 86.6





#39

1,2-Dichloropropane

Concen: 2.151 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

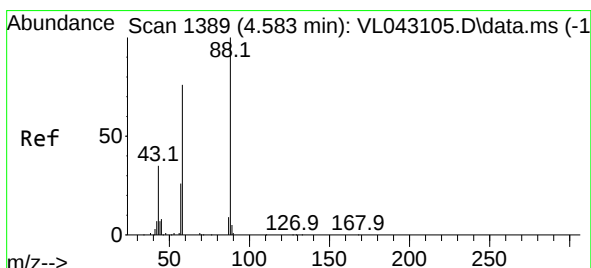
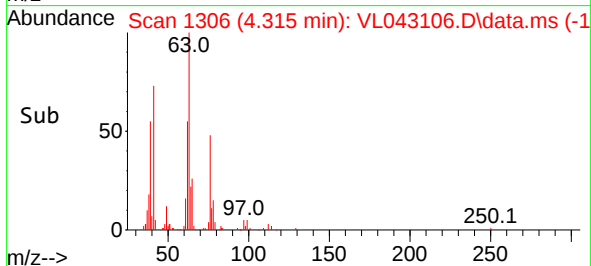
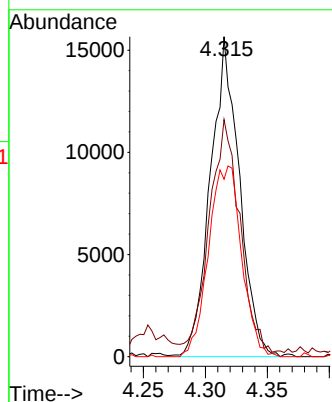
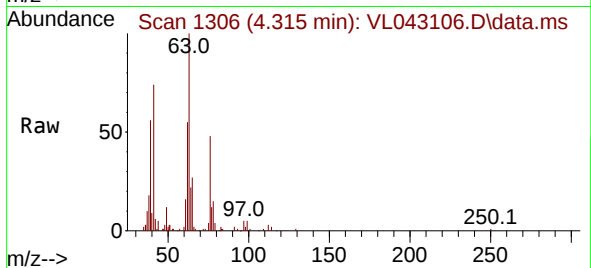
VSTDICC002

Tgt Ion:	63	Resp:	2542
Ion	Ratio	Lower	Upper
63	100		
41	72.3	58.0	87.0
62	55.5	54.7	82.1

Manual Integrations

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



#40

1,4-Dioxane

Concen: 2.101 ppbv m

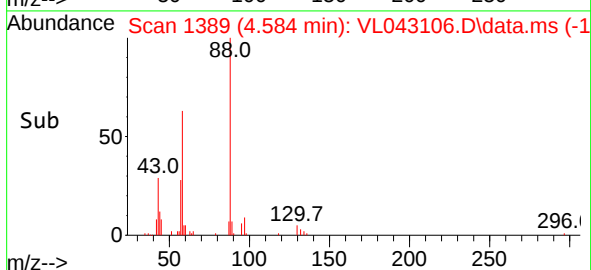
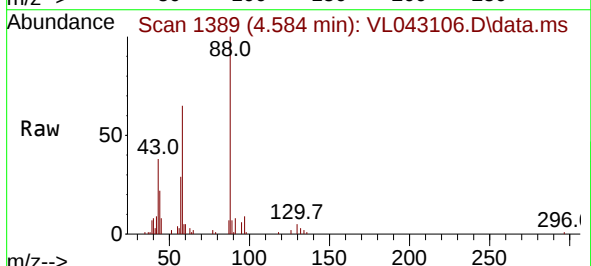
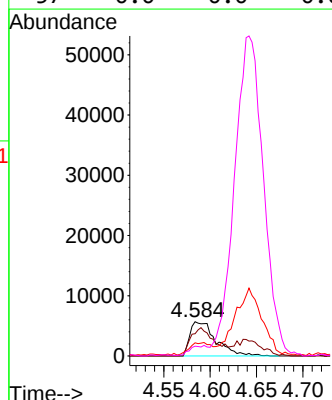
RT: 4.584 min Scan# 1389

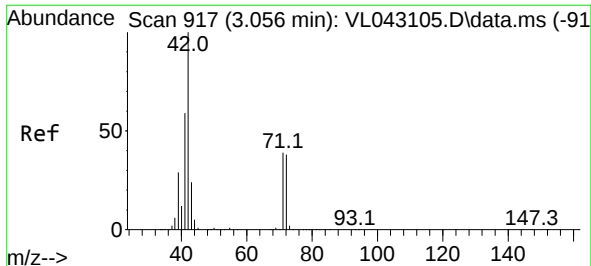
Delta R.T. 0.000 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

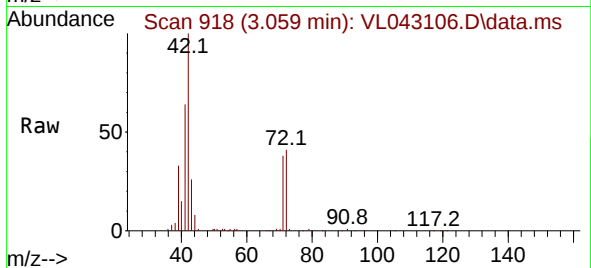
Tgt Ion:	88	Resp:	11102
Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	0.0	24.0	36.0#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 2.037 ppbv
RT: 3.059 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

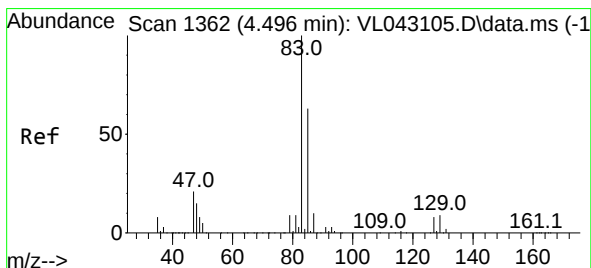
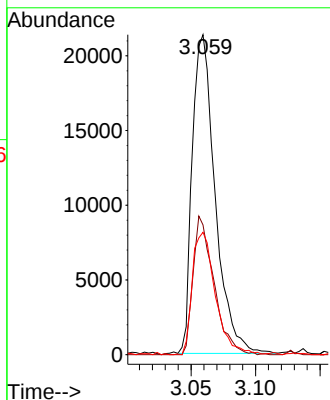
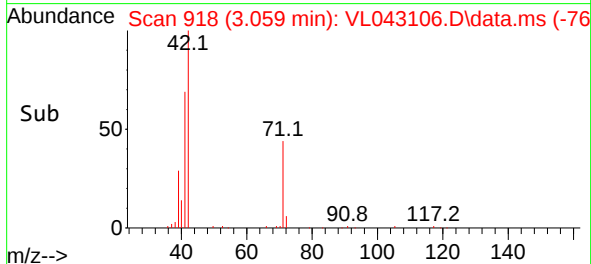
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 26362
Ion Ratio Lower Upper
42 100
72 39.7 31.3 46.9
71 39.4 30.4 45.6

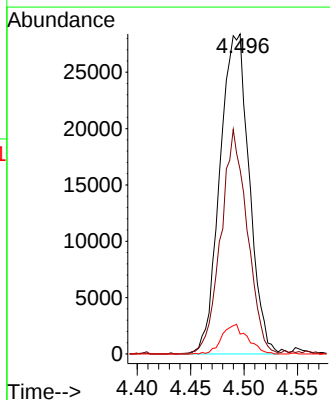
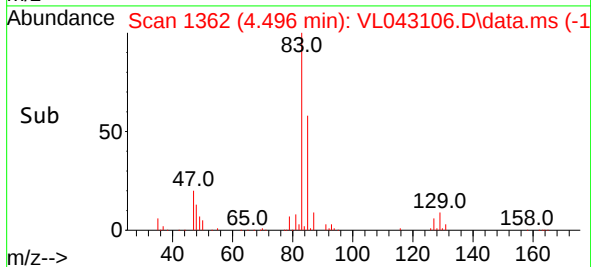
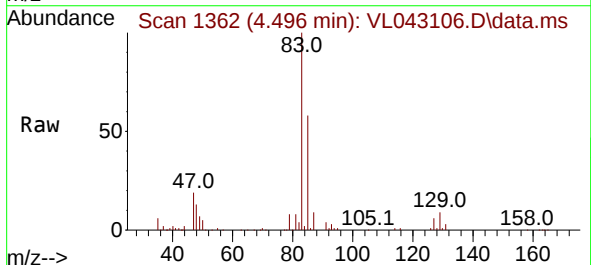
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#42
Bromodichloromethane
Concen: 2.106 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 83 Resp: 54224
Ion Ratio Lower Upper
83 100
85 57.6 50.6 75.8
127 6.2 6.3 9.5#





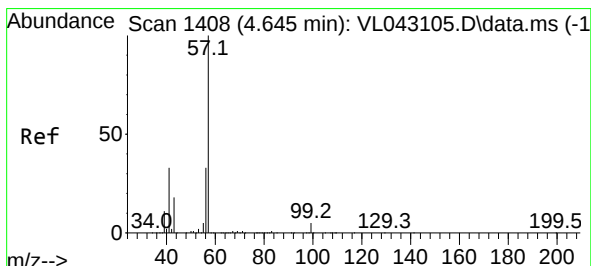
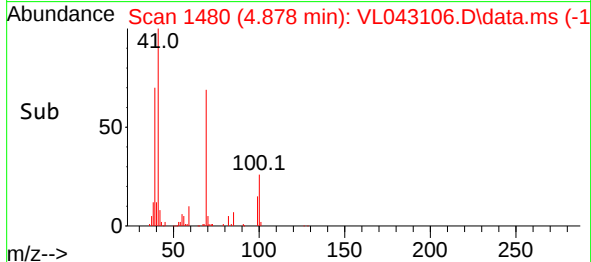
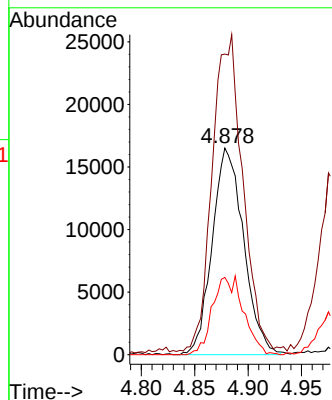
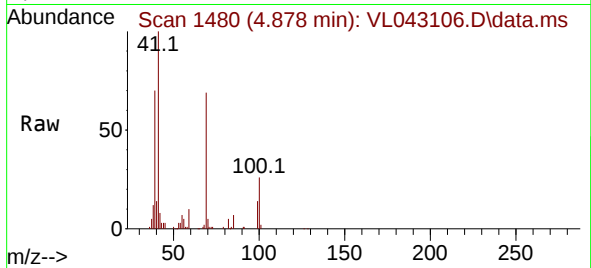
#43
Methyl Methacrylate
Concen: 2.051 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 69 Resp: 3380
Ion Ratio Lower Upper
69 100
41 151.4 120.5 180.7
100 37.3 29.0 43.4

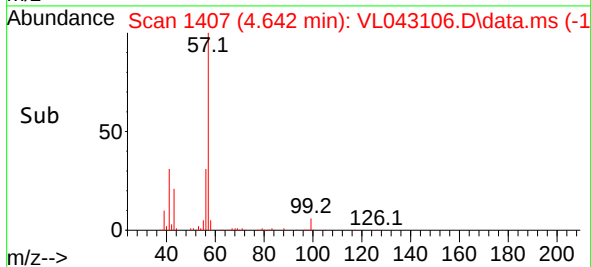
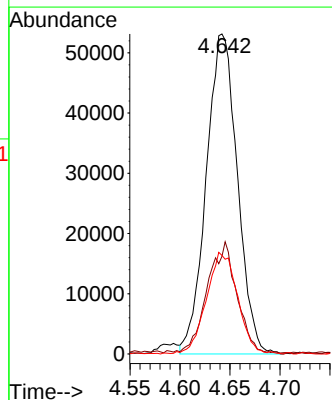
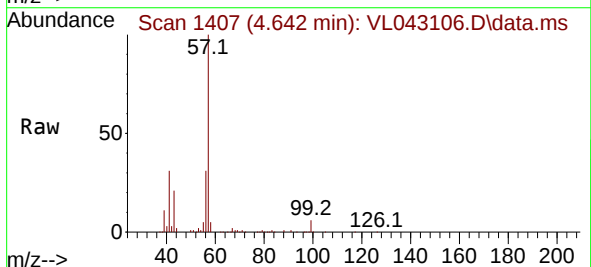
Manual Integrations
APPROVED

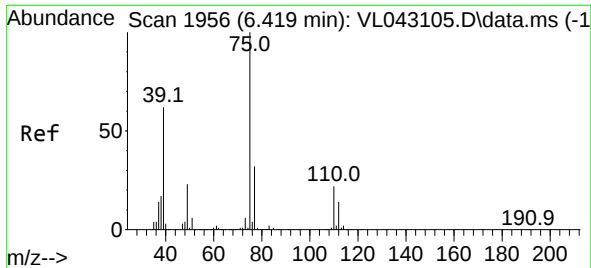
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#44
2,2,4-Trimethylpentane
Concen: 2.137 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

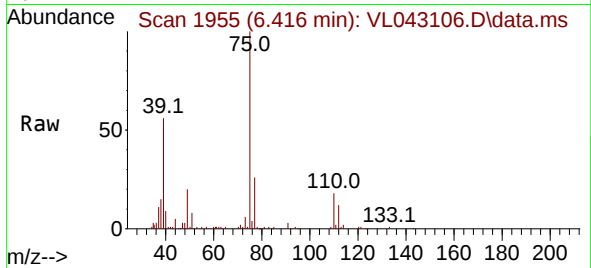
Tgt Ion: 57 Resp: 115417
Ion Ratio Lower Upper
57 100
41 34.0 26.3 39.5
56 31.9 25.9 38.9





#45
t-1,3-Dichloropropene
Concen: 2.109 ppbv
RT: 6.416 min Scan# 1956
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

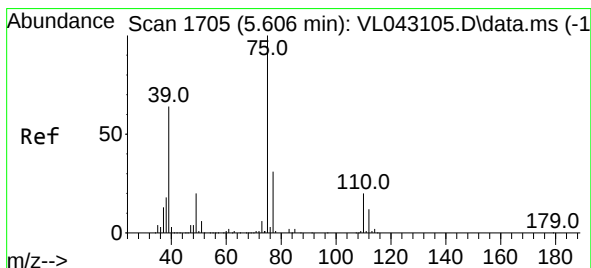
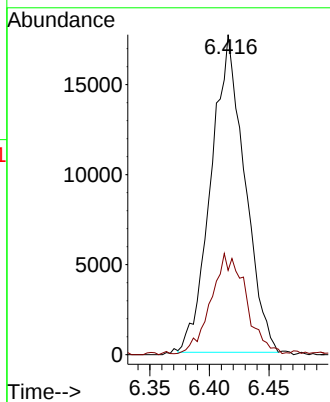
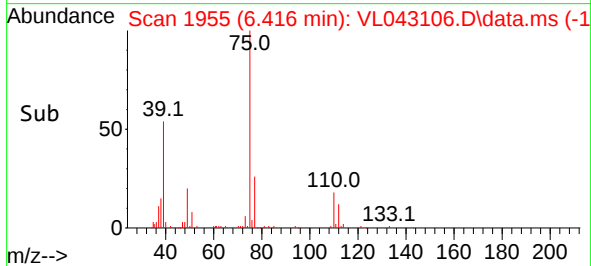
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 75 Resp: 34728
Ion Ratio Lower Upper
75 100
77 26.3 25.4 38.2

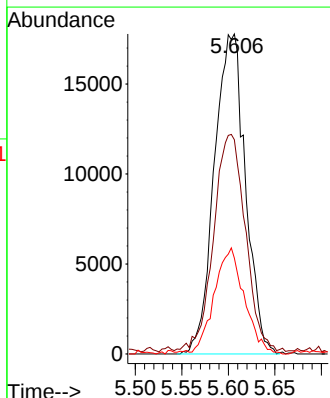
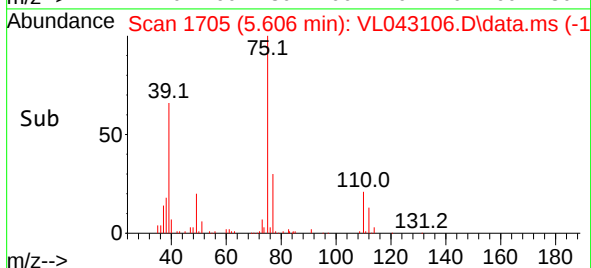
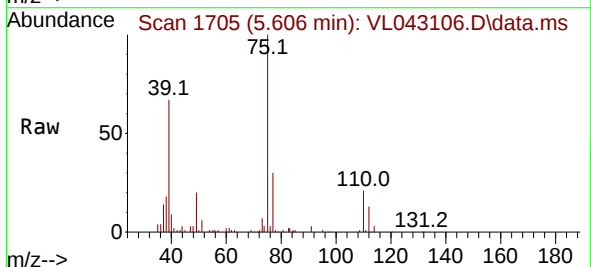
Manual Integrations
APPROVED

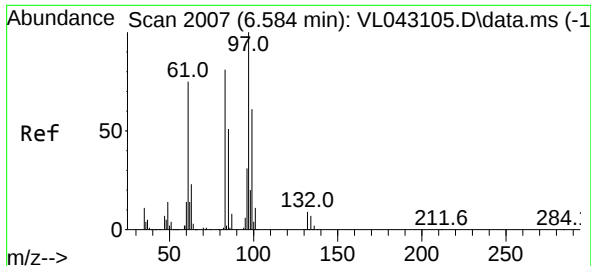
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#46
cis-1,3-Dichloropropene
Concen: 2.105 ppbv m
RT: 5.606 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

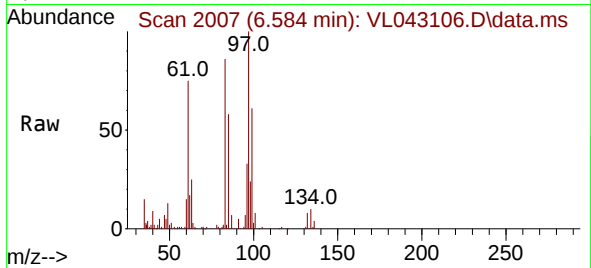
Tgt Ion: 75 Resp: 41365
Ion Ratio Lower Upper
75 100
39 66.9 51.0 76.6
77 30.0 25.0 37.4





#47
1,1,2-Trichloroethane
Concen: 2.067 ppbv
RT: 6.584 min Scan# 2007
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

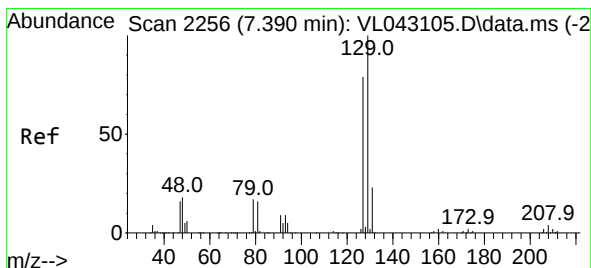
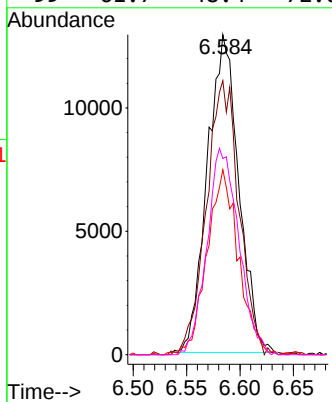
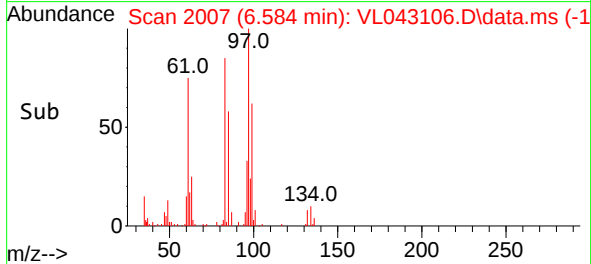
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 97	Resp: 2635
Ion Ratio	Lower Upper
97 100	
83 86.2	64.6 96.8
85 58.2	40.6 60.8
99 61.7	48.4 72.6

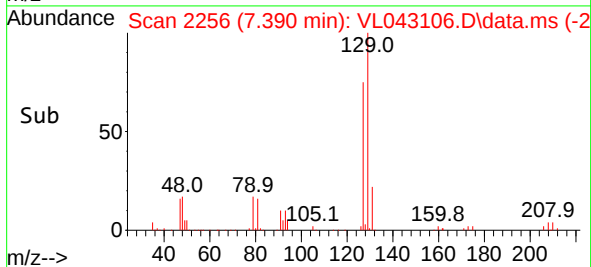
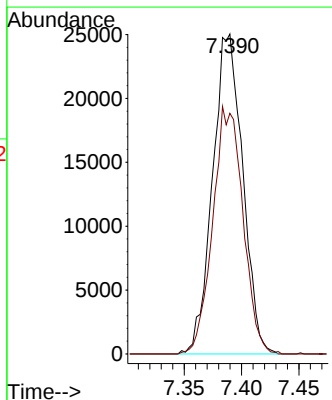
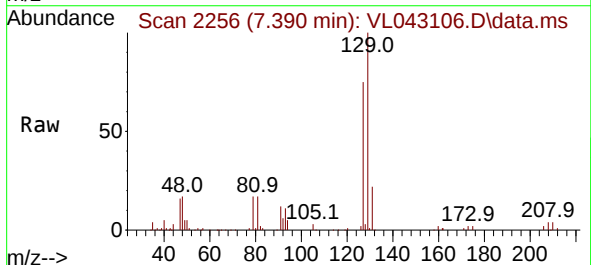
Manual Integrations
APPROVED

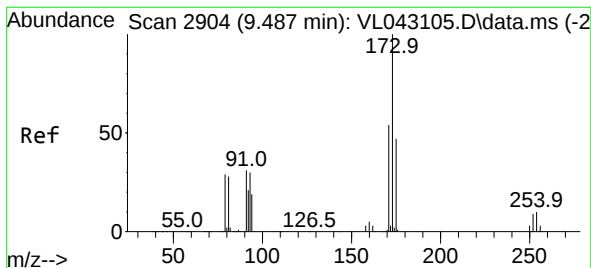
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#48
Dibromochloromethane
Concen: 2.146 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:129	Resp: 45751
Ion Ratio	Lower Upper
129 100	
127 77.3	39.3 117.9





#49

Bromoform

Concen: 2.153 ppbv

RT: 9.484 min Scan# 2904

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

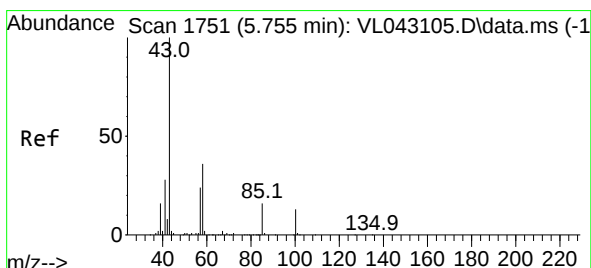
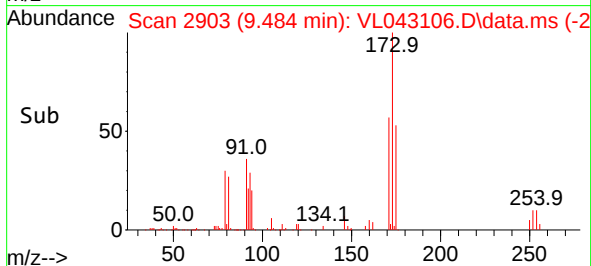
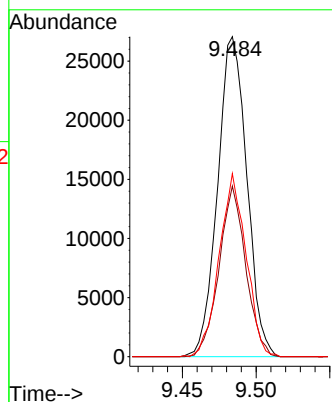
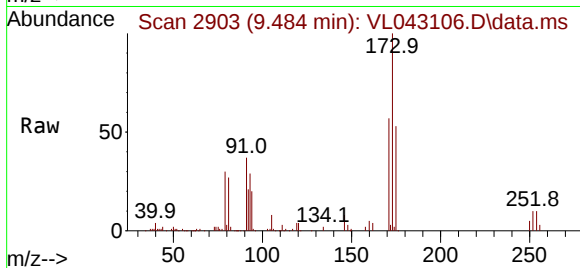
VSTDICC002

Tgt Ion:	173	Resp:	37314
Ion Ratio	Lower	Upper	
173	100		
175	48.7	38.8	58.2
171	52.7	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: 2.089 ppbv

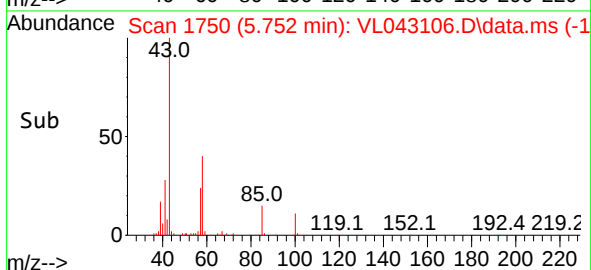
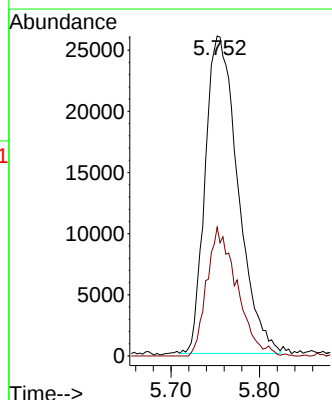
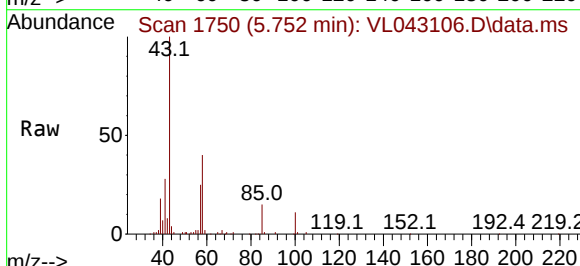
RT: 5.752 min Scan# 1750

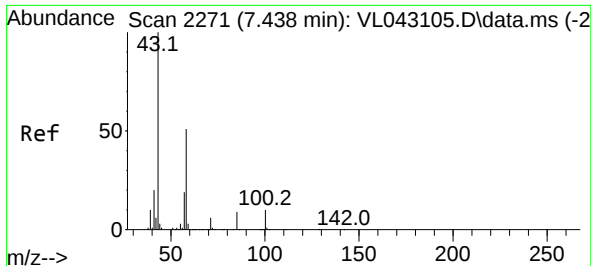
Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Tgt Ion:	43	Resp:	66811
Ion Ratio	Lower	Upper	
43	100		
58	37.2	29.1	43.7





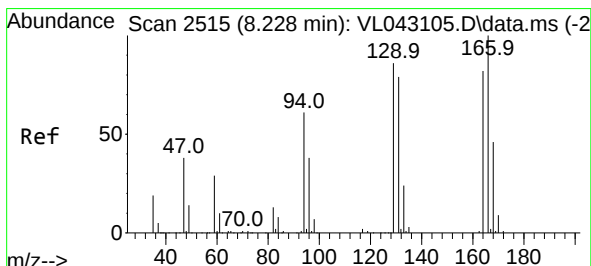
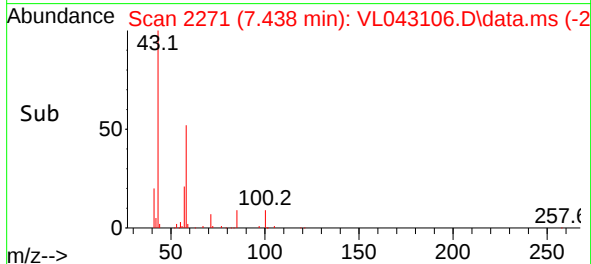
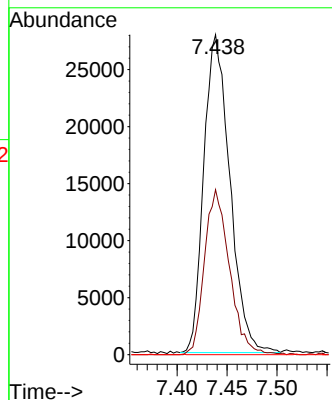
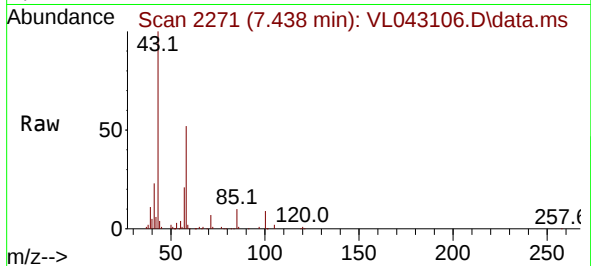
#51
2-Hexanone
Concen: 2.122 ppbv
RT: 7.438 min Scan# 2271
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 5064
Ion Ratio Lower Upper
43 100
58 49.8 40.4 60.6
98 0.0 0.1 0.1

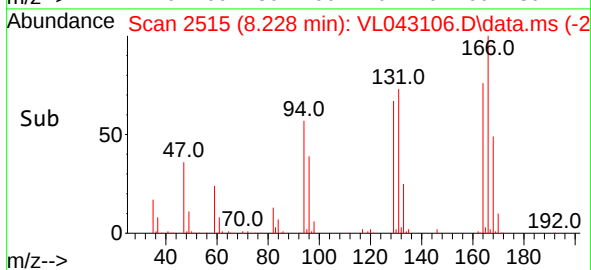
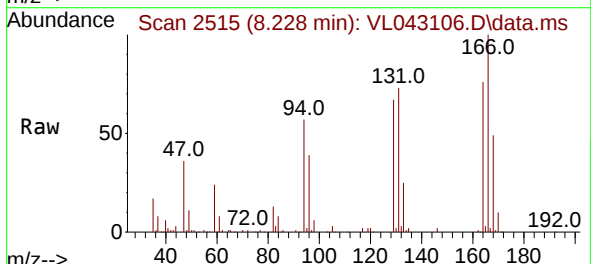
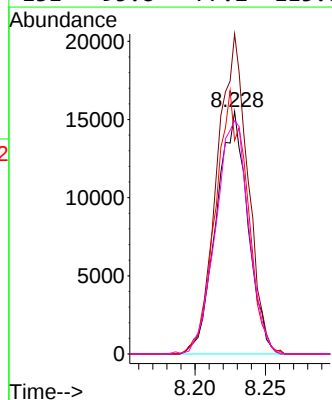
Manual Integrations
APPROVED

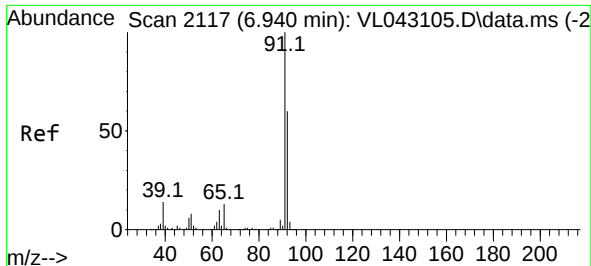
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#52
Tetrachloroethene
Concen: 2.076 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

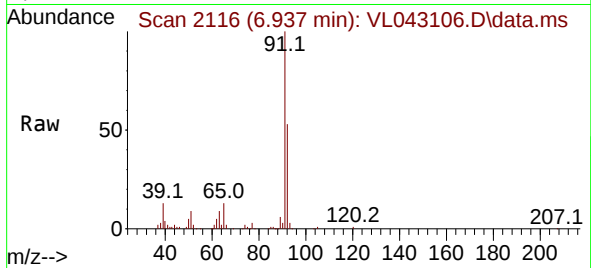
Tgt Ion:164 Resp: 24183
Ion Ratio Lower Upper
164 100
166 132.0 97.6 146.4
129 88.0 84.5 126.7
131 95.8 77.2 115.8





#53
Toluene
Concen: 2.104 ppbv
RT: 6.937 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

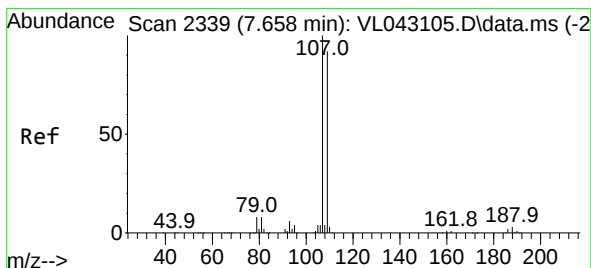
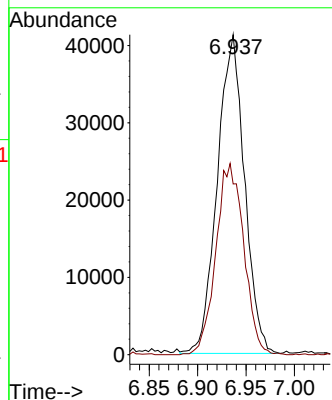
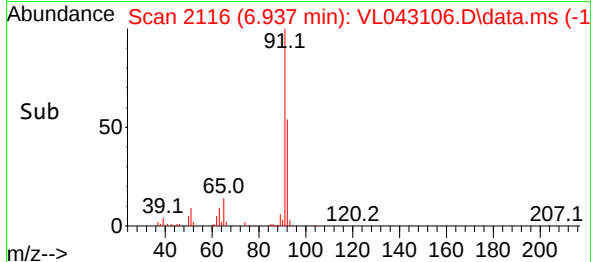
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 91 Resp: 80660
Ion Ratio Lower Upper
91 100
92 61.5 48.8 73.2

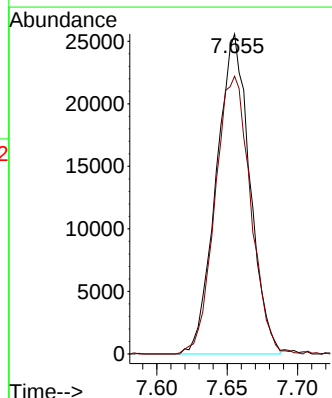
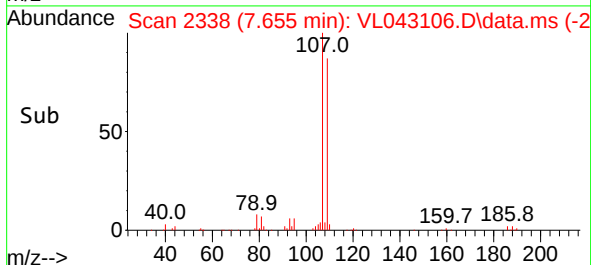
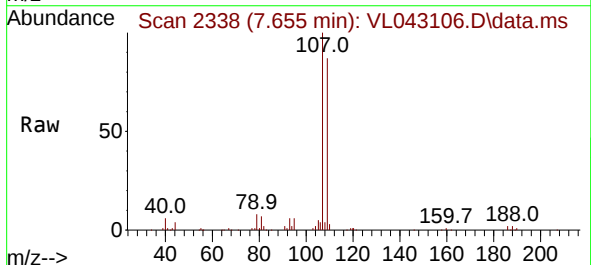
Manual Integrations
APPROVED

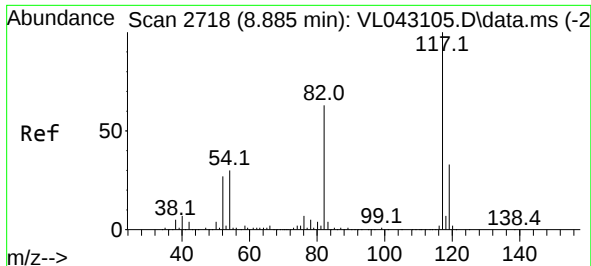
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#54
1,2-Dibromoethane
Concen: 2.103 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:107 Resp: 42320
Ion Ratio Lower Upper
107 100
109 86.5 73.4 110.2





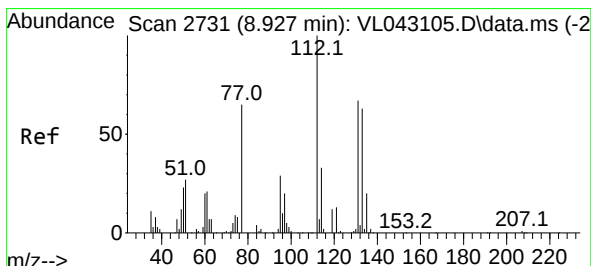
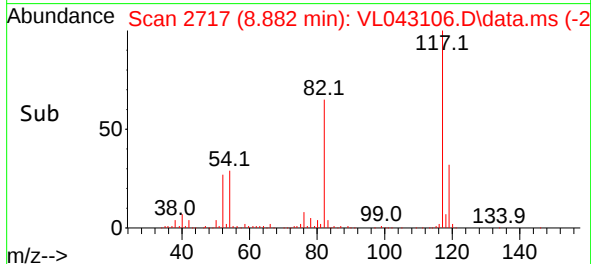
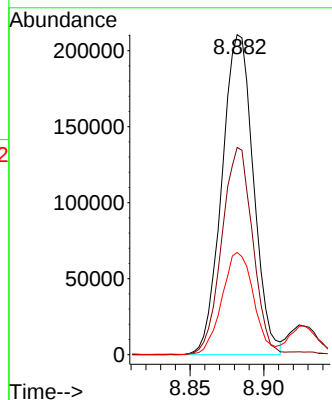
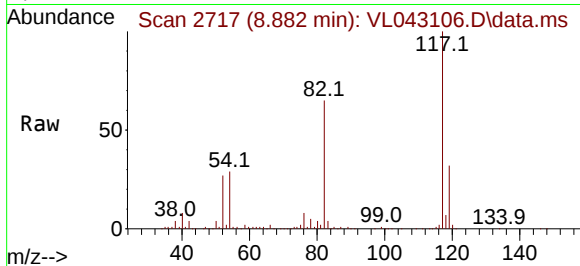
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:117 Resp: 31360
Ion Ratio Lower Upper
117 100
82 63.9 53.8 80.8
119 32.3 25.4 38.0

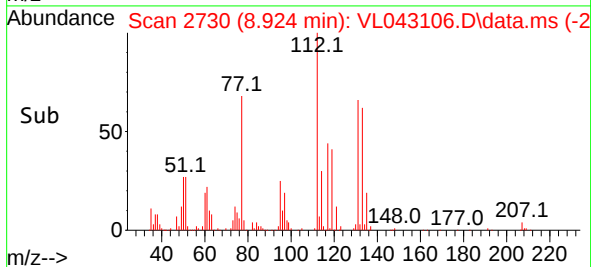
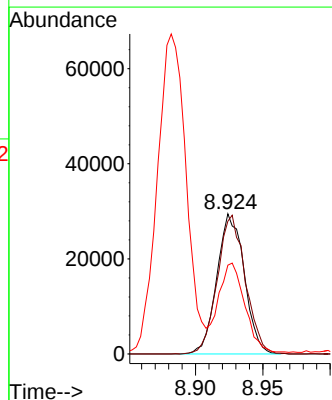
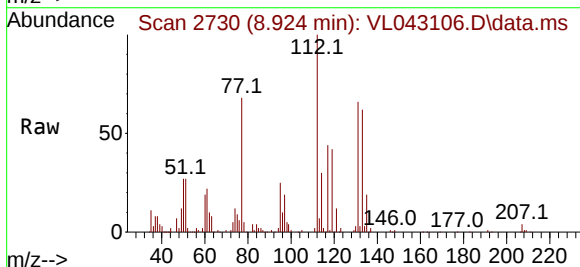
Manual Integrations
APPROVED

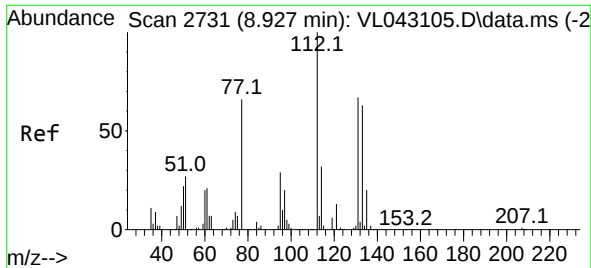
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 2.110 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:131 Resp: 41712
Ion Ratio Lower Upper
131 100
133 101.2 75.7 113.5
119 59.2 50.6 76.0





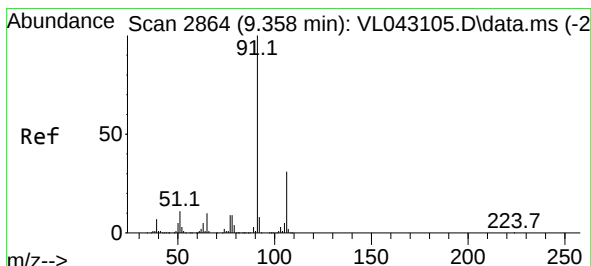
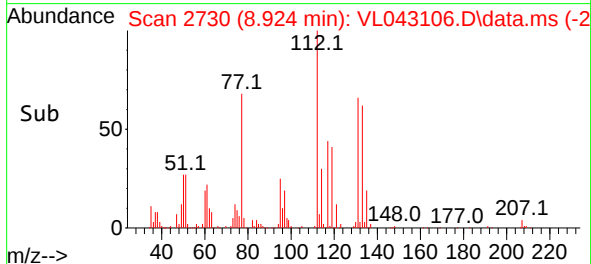
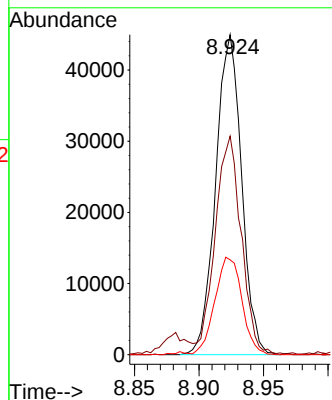
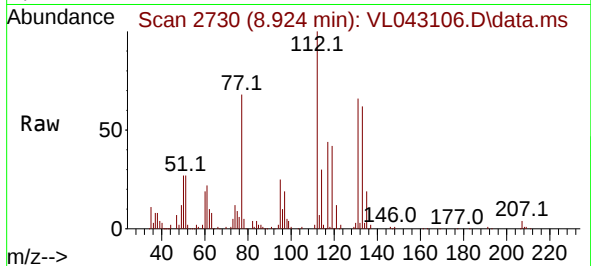
#57
Chlorobenzene
Concen: 2.138 ppbv
RT: 8.924 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 62714
Ion Ratio Lower Upper
112 100
77 67.8 53.3 79.9
114 29.6 29.3 35.8

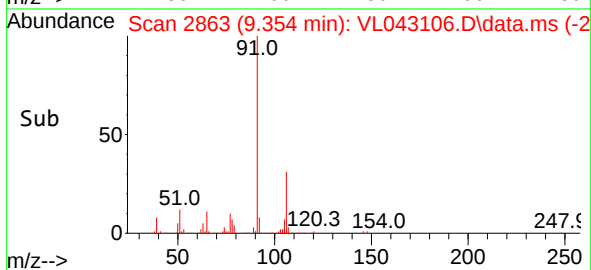
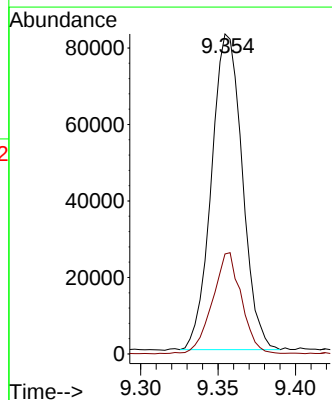
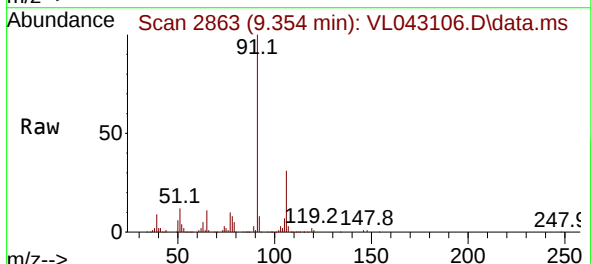
Manual Integrations
APPROVED

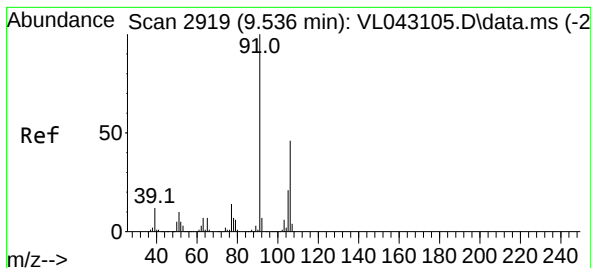
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#58
Ethyl Benzene
Concen: 2.109 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion: 91 Resp: 114403
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2





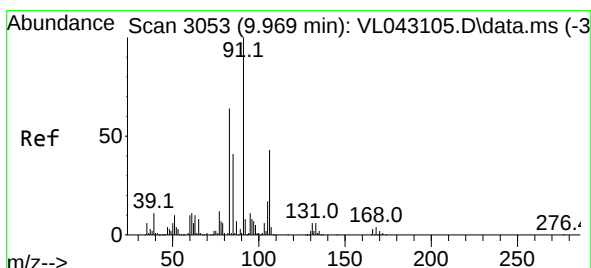
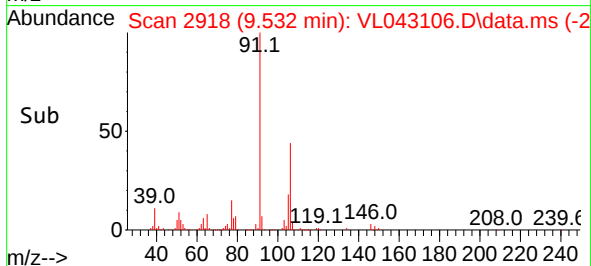
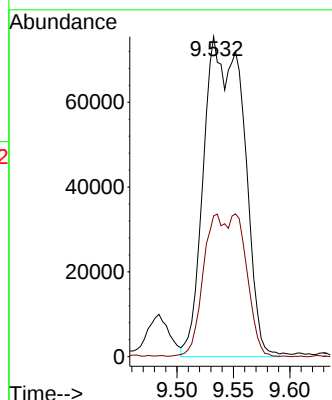
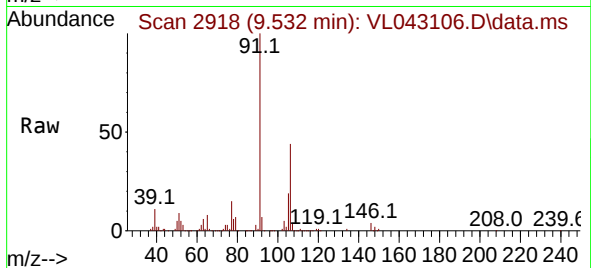
#59
m/p-Xylene
Concen: 4.311 ppbv m
RT: 9.532 min Scan# 2919
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 185190
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0

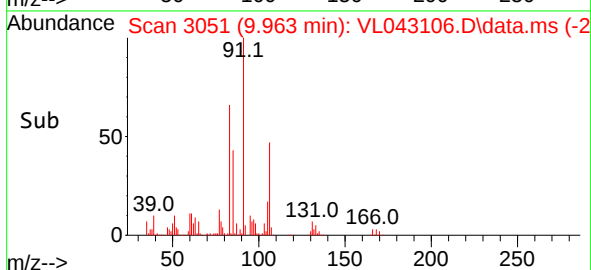
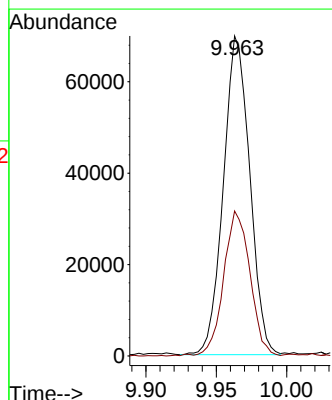
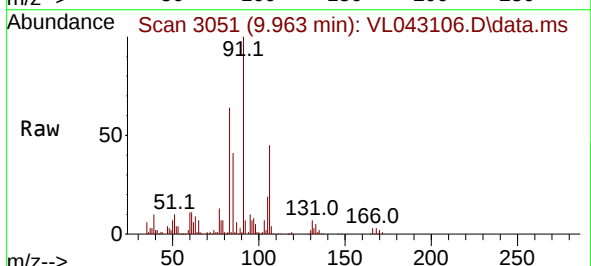
Manual Integrations
APPROVED

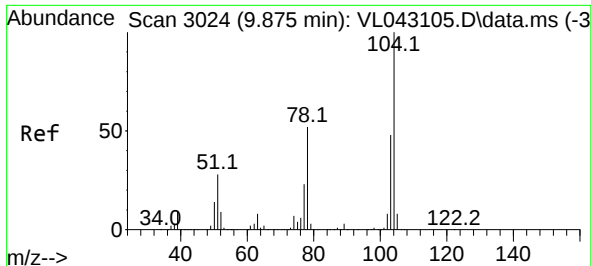
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#60
o-Xylene
Concen: 2.152 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

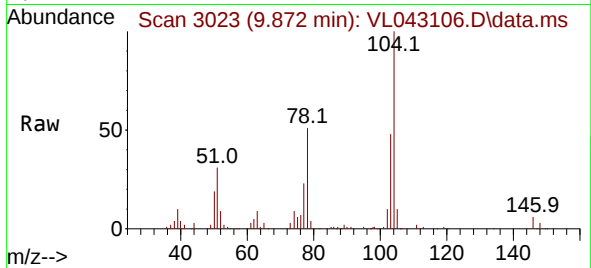
Tgt Ion: 91 Resp: 91223
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8





#61
Styrene
Concen: 2.175 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

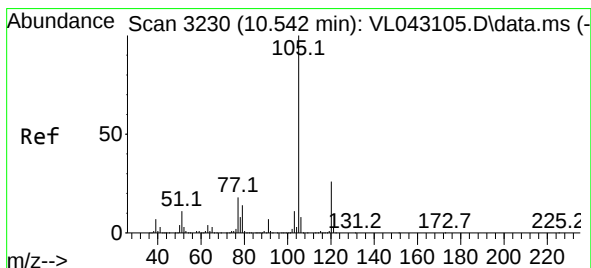
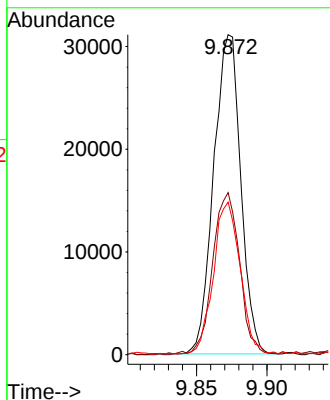
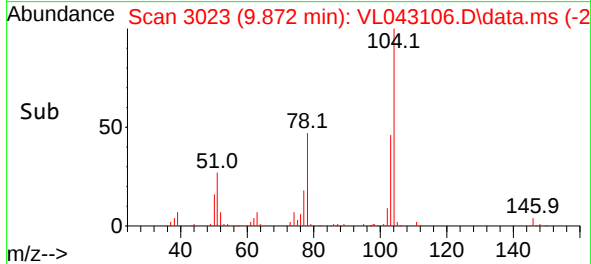
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



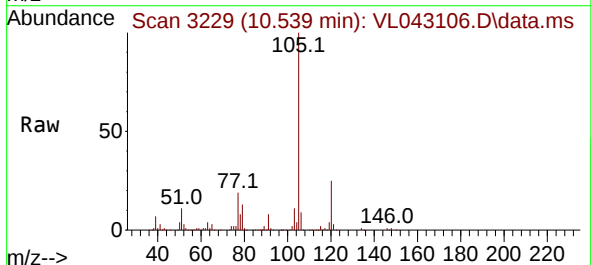
Tgt Ion:104 Resp: 4163
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.2
103 47.4 36.9 55.3

Manual Integrations
APPROVED

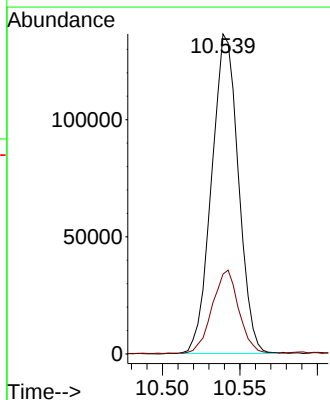
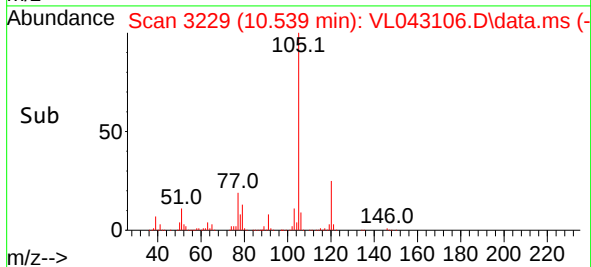
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

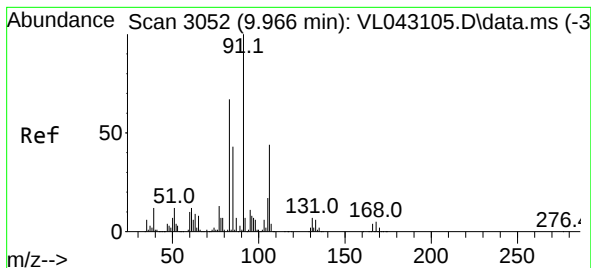


#62
Isopropylbenzene
Concen: 2.142 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



Tgt Ion:105 Resp: 164073
Ion Ratio Lower Upper
105 100
120 26.1 20.2 30.4





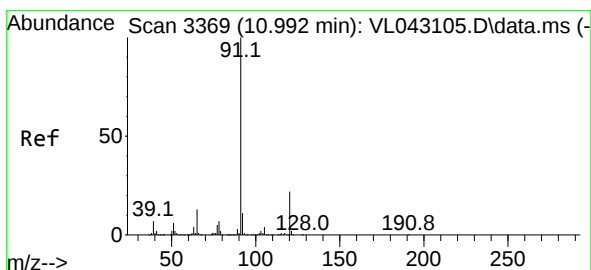
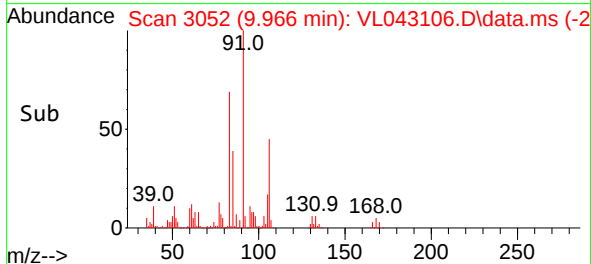
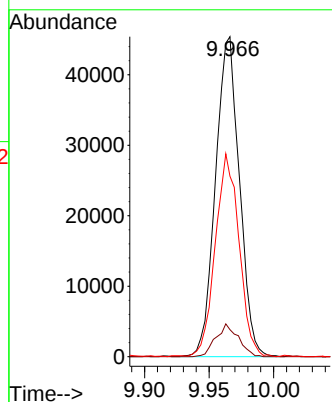
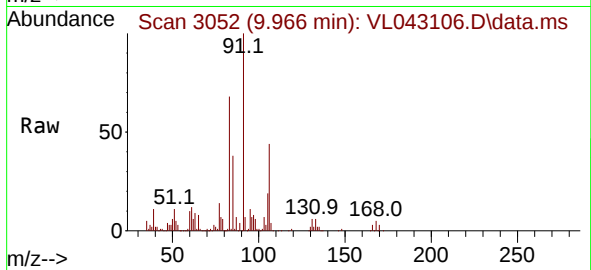
#63
1,1,2,2-Tetrachloroethane
Concen: 2.061 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 58510
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 63.2 32.0 96.0

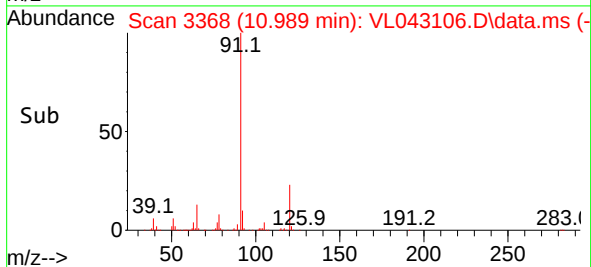
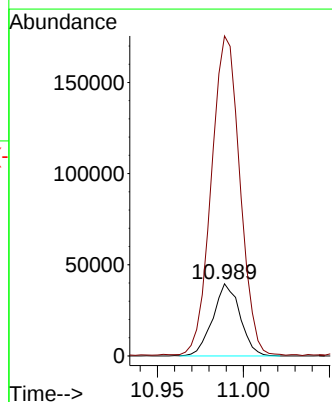
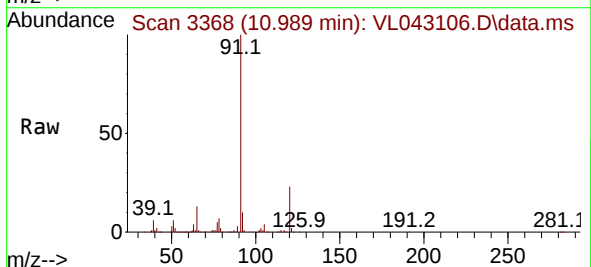
Manual Integrations
APPROVED

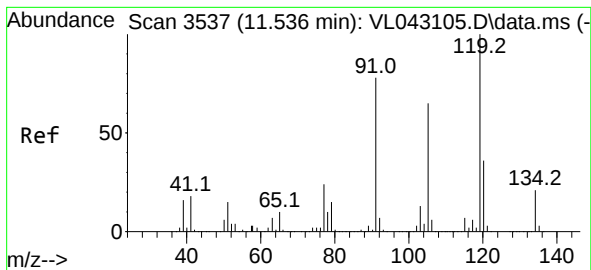
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#64
n-propylbenzene
Concen: 2.152 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

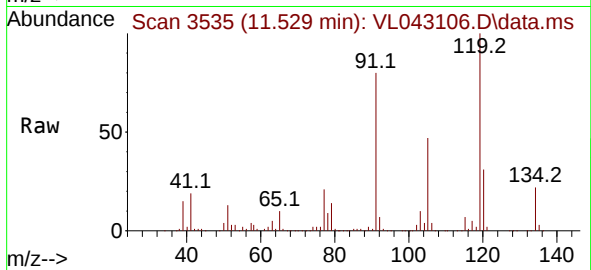
Tgt Ion:120 Resp: 43648
Ion Ratio Lower Upper
120 100
91 462.4 361.6 542.4





#65
tert-Butylbenzene
Concen: 2.192 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

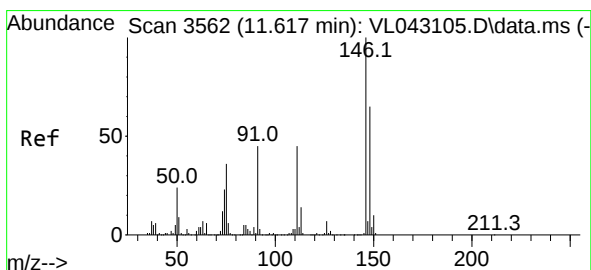
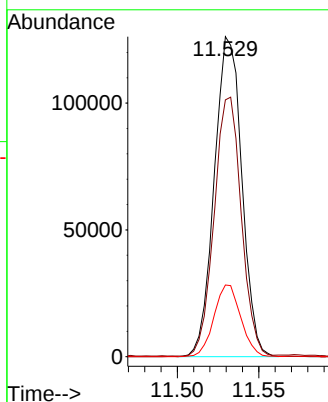
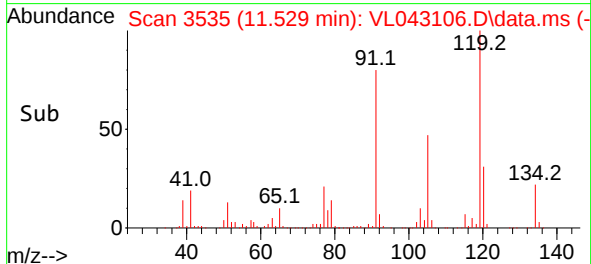
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



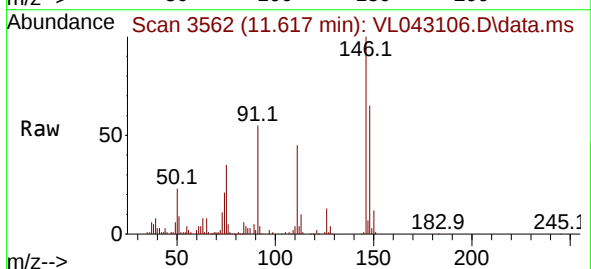
Tgt Ion: 119 Resp: 148300
Ion Ratio Lower Upper
119 100
91 80.2 63.4 95.0
134 22.0 17.3 25.9

Manual Integrations
APPROVED

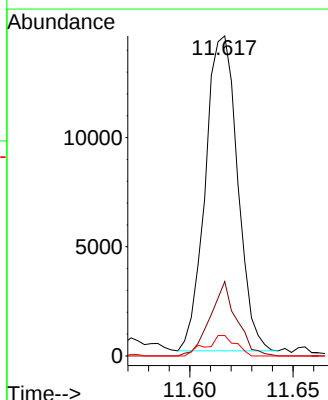
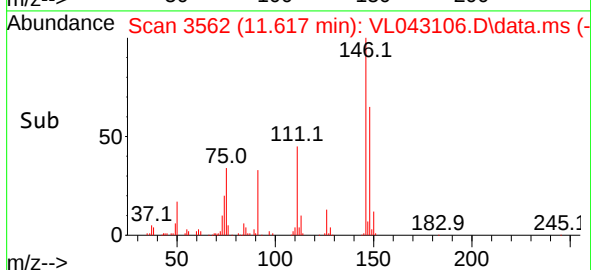
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

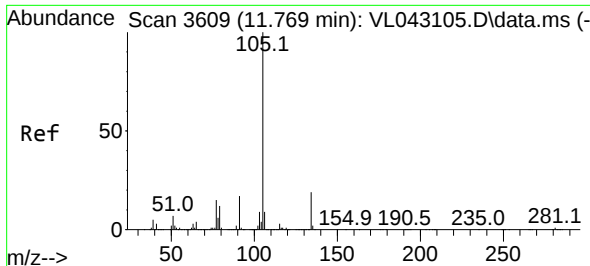


#66
Benzyl Chloride
Concen: 2.072 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



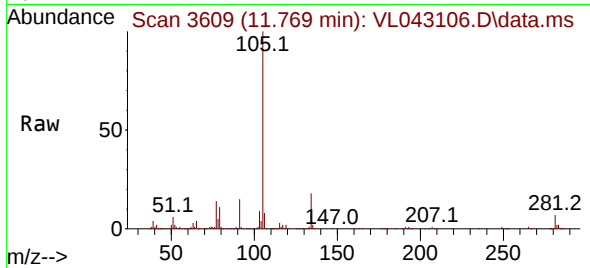
Tgt Ion: 91 Resp: 15656
Ion Ratio Lower Upper
91 100
126 19.2 14.6 22.0
128 5.9 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 2.193 ppbv
 RT: 11.769 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

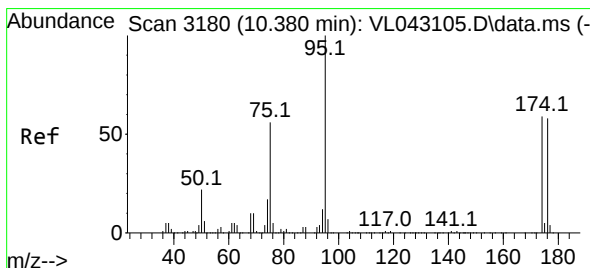
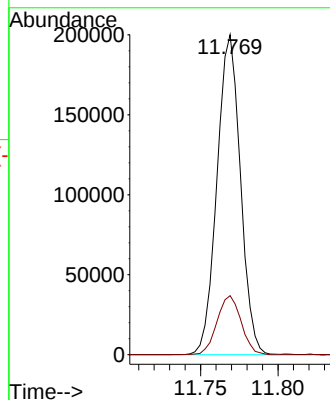
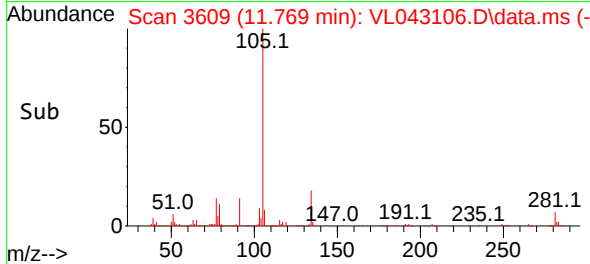
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



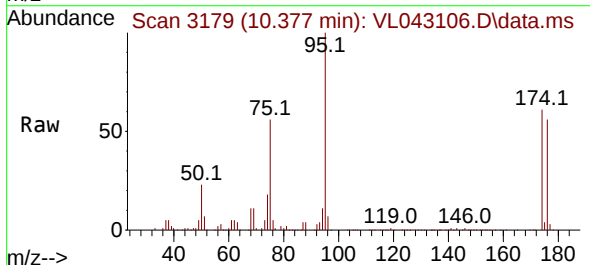
Tgt Ion:105 Resp: 210529
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3

Manual Integrations
 APPROVED

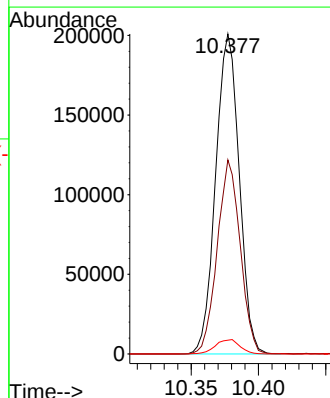
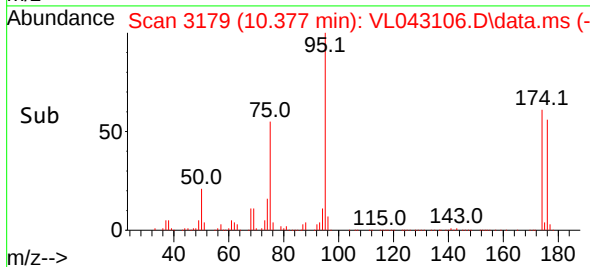
Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

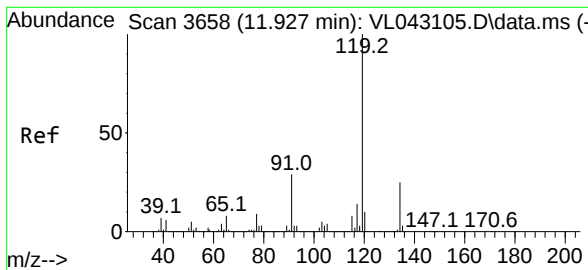


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.024 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27



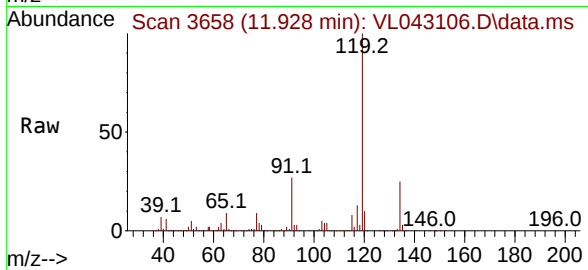
Tgt Ion: 95 Resp: 244329
 Ion Ratio Lower Upper
 95 100
 174 59.2 48.3 72.5
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 2.207 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

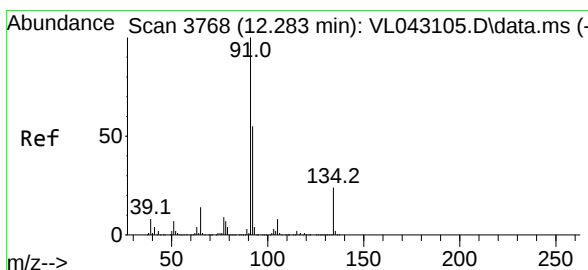
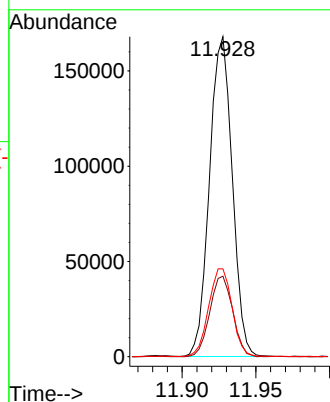
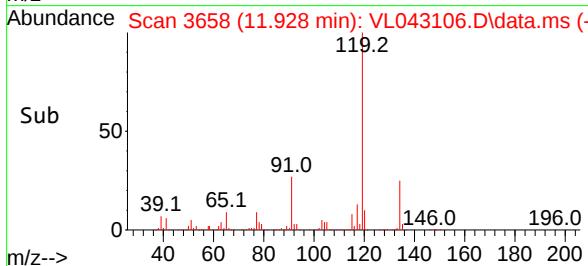
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



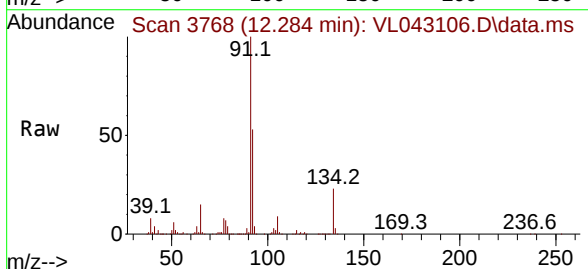
Tgt Ion:119 Resp: 180060
Ion Ratio Lower Upper
119 100
134 25.4 20.3 30.5
91 29.0 22.6 33.8

Manual Integrations
APPROVED

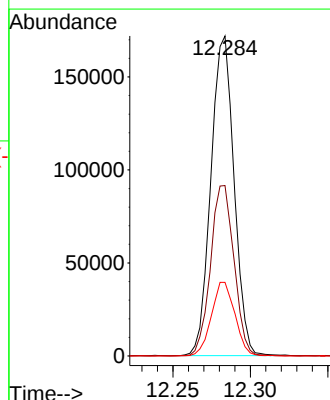
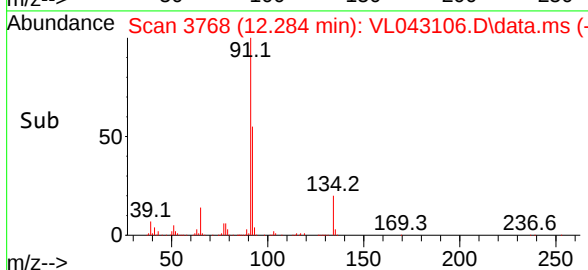
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

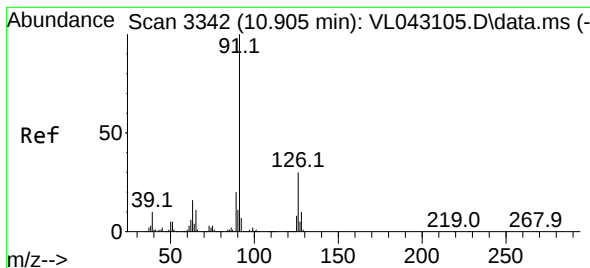


#70
n-Butylbenzene
Concen: 2.222 ppbv
RT: 12.284 min Scan# 3768
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



Tgt Ion: 91 Resp: 178676
Ion Ratio Lower Upper
91 100
92 54.2 44.5 66.7
134 23.4 19.3 28.9





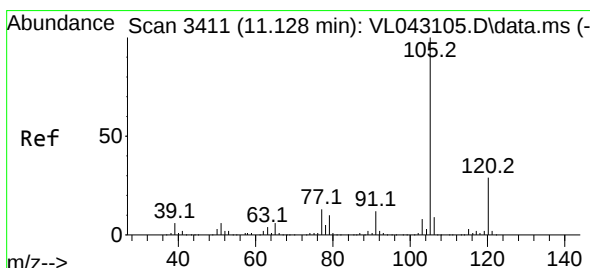
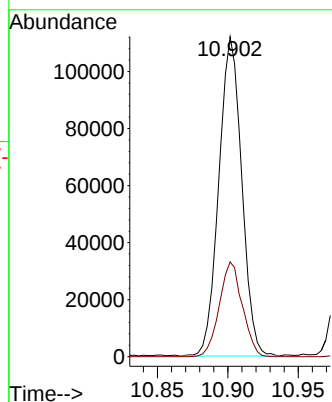
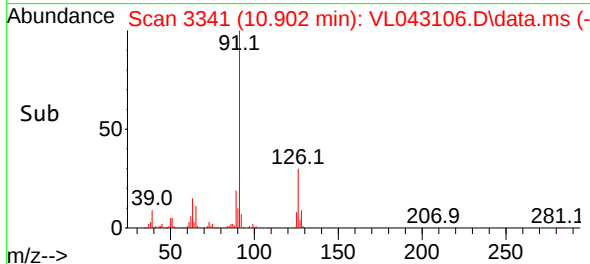
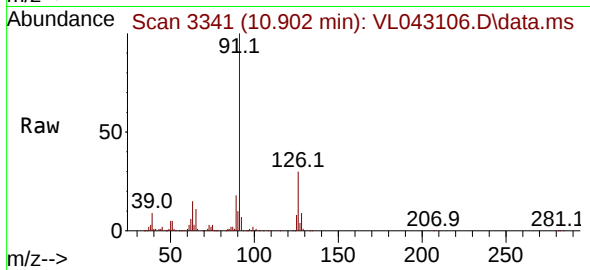
#71
2-Chlorotoluene
Concen: 2.166 ppbv
RT: 10.902 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 12655
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.0

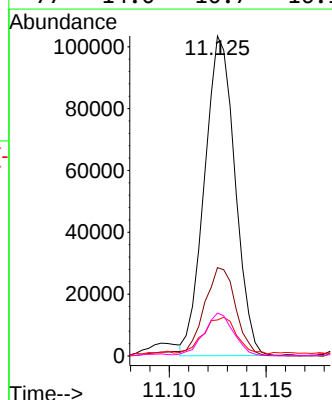
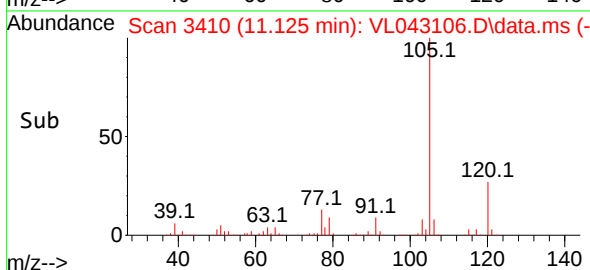
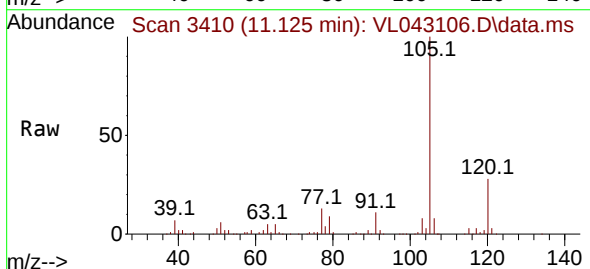
Manual Integrations
APPROVED

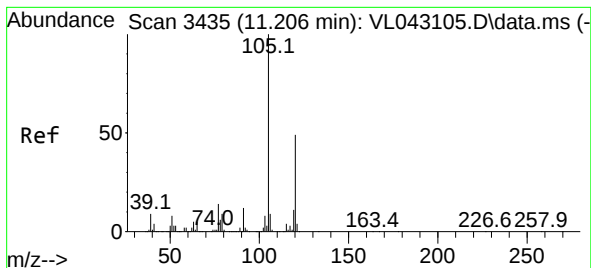
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#72
4-Ethyltoluene
Concen: 2.172 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 113233
Ion Ratio Lower Upper
105 100
120 29.8 24.2 36.4
91 14.8 10.0 15.0
77 14.0 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 2.155 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 92650

Ion Ratio Lower Upper

105 100

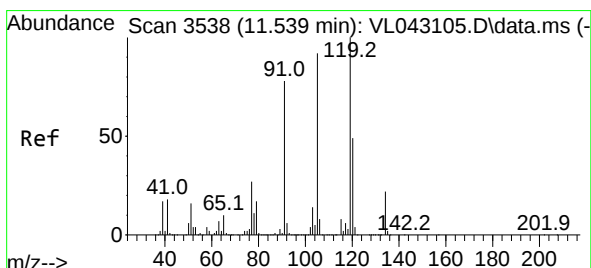
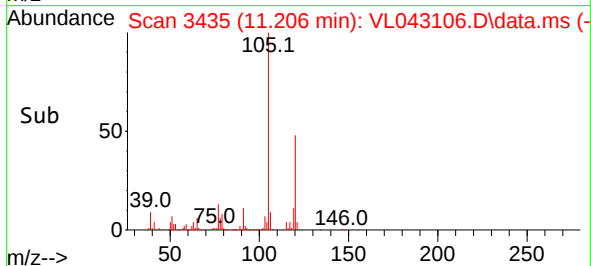
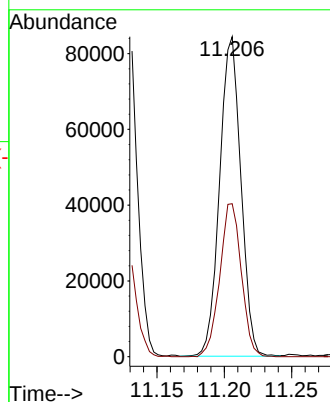
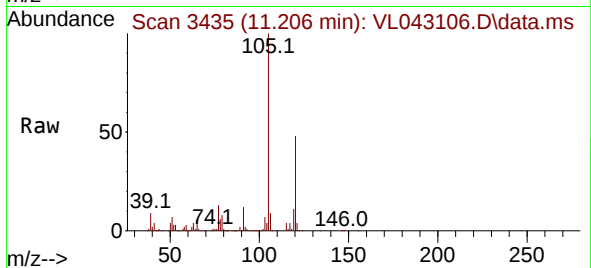
120 47.9 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.169 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Tgt Ion:105 Resp: 104352

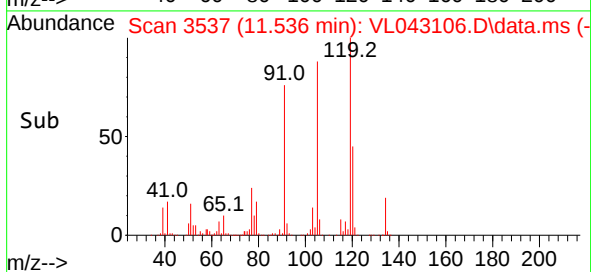
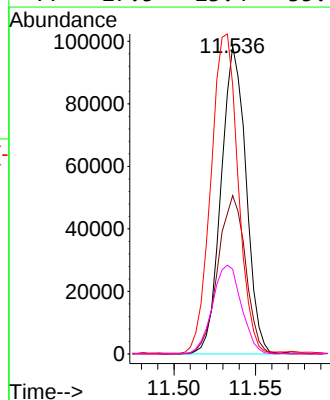
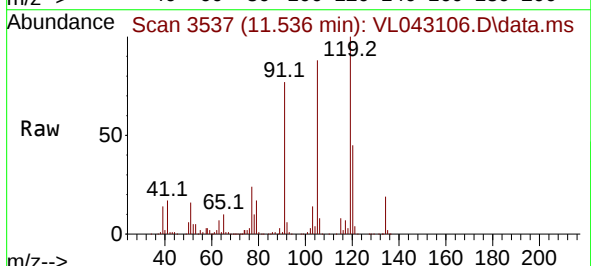
Ion Ratio Lower Upper

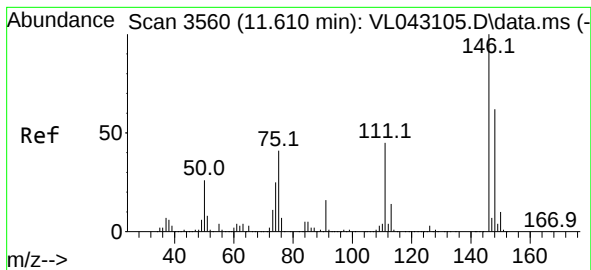
105 100

120 51.4 42.8 64.2

91 87.0 68.3 102.5

77 27.5 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 2.247 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:146 Resp: 62709

Ion Ratio Lower Upper

146 100

111 45.8 23.3 69.9

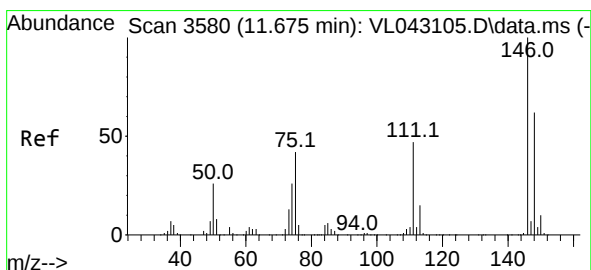
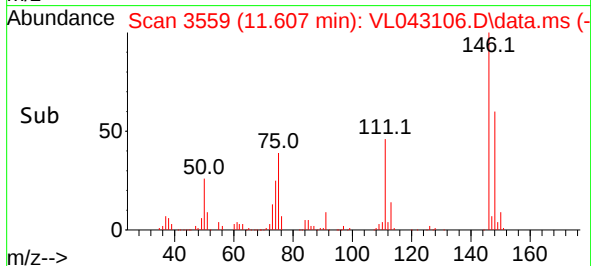
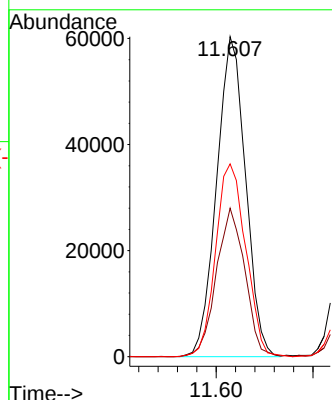
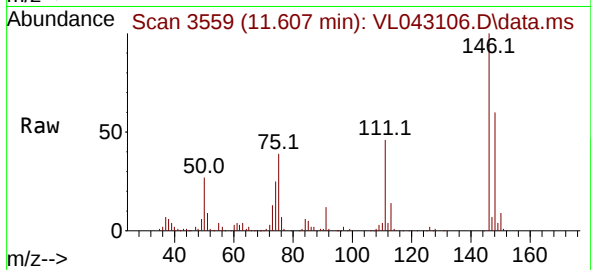
148 62.6 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025

Supervised By :Mahesh Dadoda 10/16/2025



#76

1,4-Dichlorobenzene

Concen: 2.164 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. -0.003 min

Lab File: VL043106.D

Acq: 14 Oct 2025 11:27

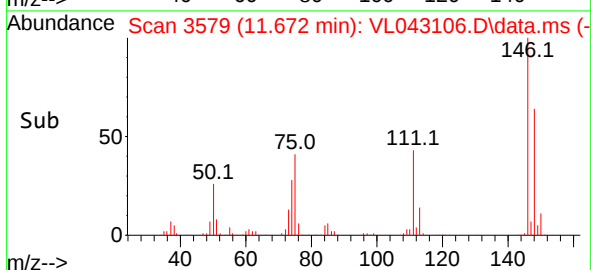
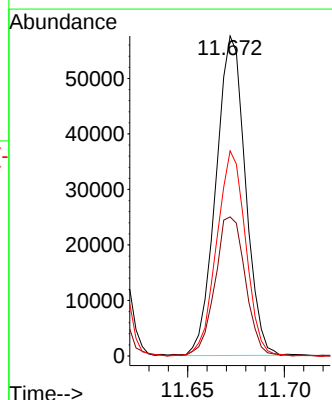
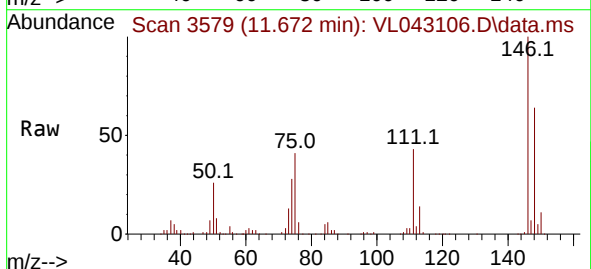
Tgt Ion:146 Resp: 60877

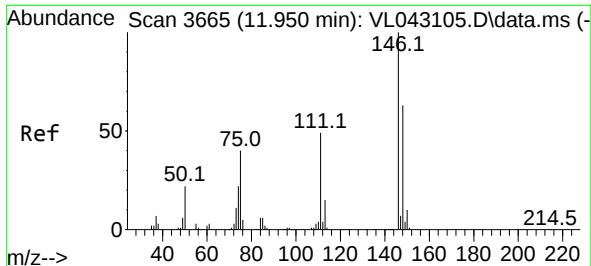
Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.0

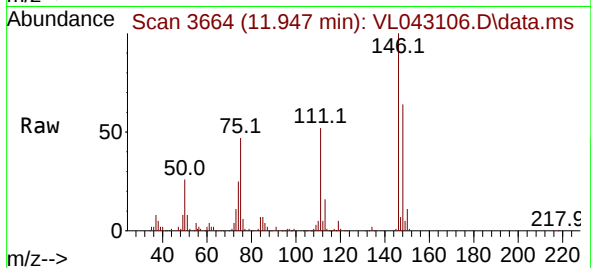
148 63.3 31.6 94.7





#77
1,2-Dichlorobenzene
Concen: 2.123 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

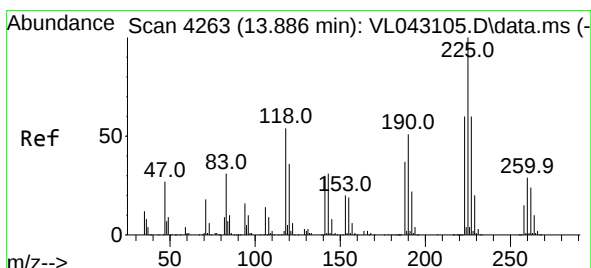
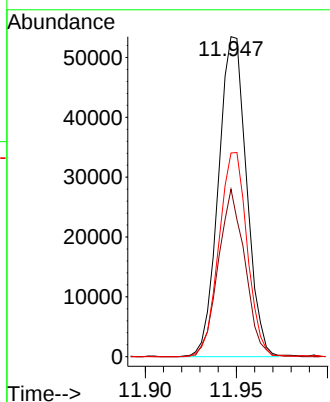
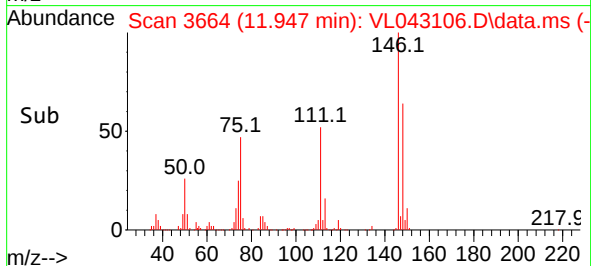
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



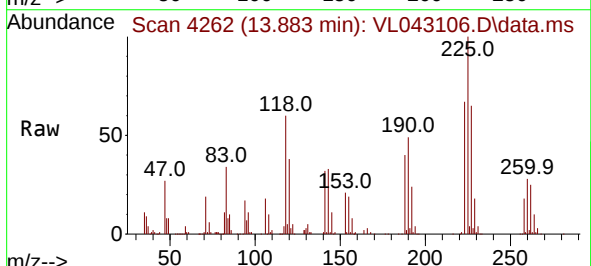
Tgt Ion:146 Resp: 57304
Ion Ratio Lower Upper
146 100
111 49.7 24.0 72.0
148 64.3 31.1 93.3

Manual Integrations
APPROVED

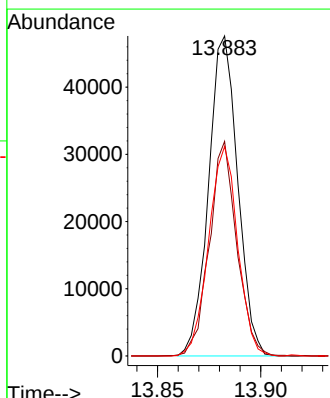
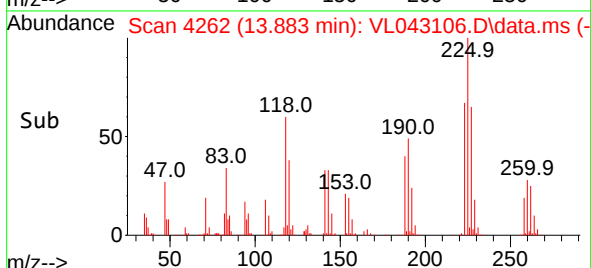
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025

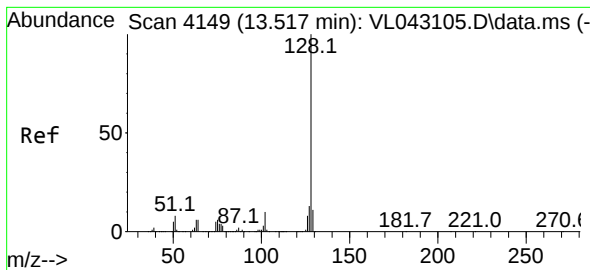


#78
Hexachloro-1,3-Butadiene
Concen: 2.239 ppbv
RT: 13.883 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



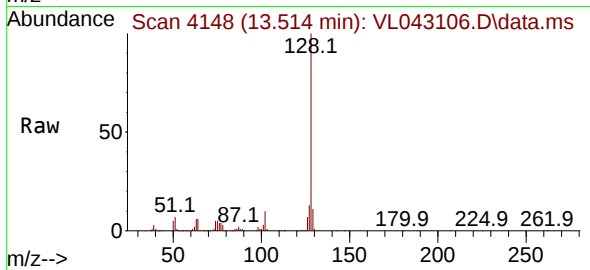
Tgt Ion:225 Resp: 46796
Ion Ratio Lower Upper
225 100
223 63.2 50.2 75.4
227 65.2 49.6 74.4





#79
Naphthalene
Concen: 2.488 ppbv
RT: 13.514 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27

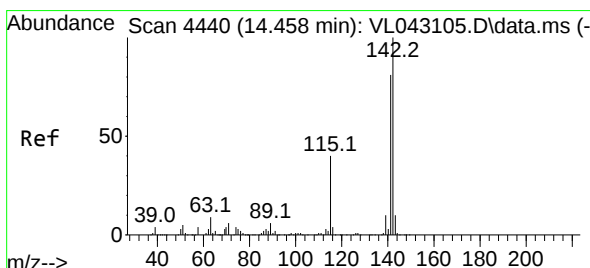
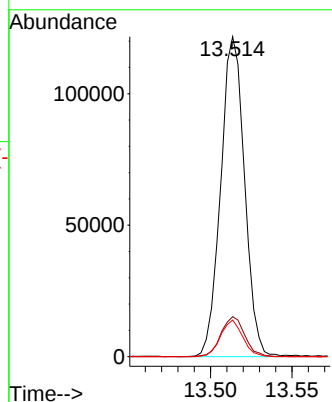
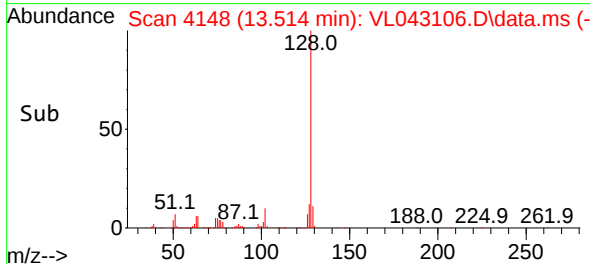
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



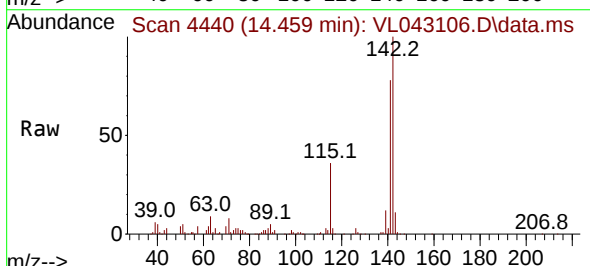
Tgt Ion:128 Resp: 12364
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.4 9.1 13.7

Manual Integrations
APPROVED

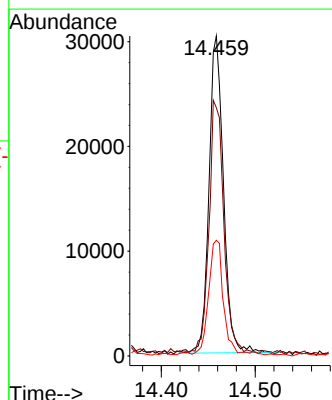
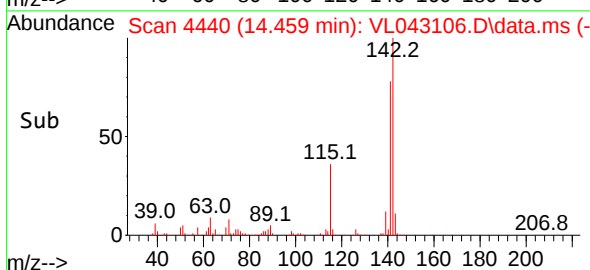
Reviewed By :Semsettin Yesilyurt 10/16/2025
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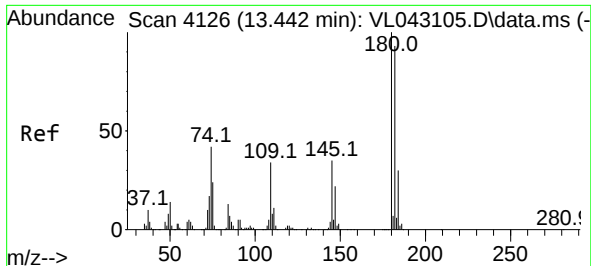


#80
Naphthalene,2-methyl-
Concen: 2.462 ppbv
RT: 14.459 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL043106.D
Acq: 14 Oct 2025 11:27



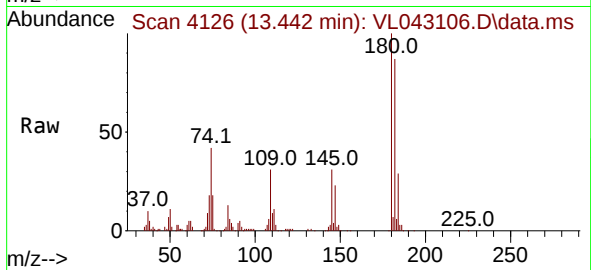
Tgt Ion:142 Resp: 32308
Ion Ratio Lower Upper
142 100
141 82.6 64.6 97.0
115 39.7 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.414 ppbv
 RT: 13.442 min Scan# 4126
 Delta R.T. 0.000 min
 Lab File: VL043106.D
 Acq: 14 Oct 2025 11:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:	180	Resp:	50394
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.5	113.3
184	30.6	23.9	35.9

Manual Integrations
 APPROVED

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 Supervised By :Mahesh Dadoda 10/16/2025

