

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042538.D
 Acq On : 14 May 2025 11:53
 Operator : SY/MD
 Sample : VL0514ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:32:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116911	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.962	114	342869	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	296340	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 260716 10.111 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	177349	9.342	ppbv	98
3) Chlorodifluoromethane	1.476	51	171430	8.861	ppbv	100
4) Chloromethane	1.534	50	69630	8.987	ppbv	100
5) Vinyl Chloride	1.580	62	68261	8.610	ppbv	94
6) Bromomethane	1.667	94	37101	9.854	ppbv	94
7) Chloroethane	1.706	64	28035	8.956	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	146902	8.993	ppbv	100
9) Propene	1.486	41	58217	13.876	ppbv #	1
10) Heptane	4.981	43	171029	10.667	ppbv	97
11) Trichlorofluoromethane	1.877	101	183595	10.054	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	148178	10.103	ppbv	100
13) Ethanol	1.722	45	8751	7.754	ppbv	98
14) Bromoethene	1.784	108	51275	9.589	ppbv	99
15) Acetone	1.835	43	152999	8.119	ppbv	99
16) 1,3-Butadiene	1.609	39	76378	9.092	ppbv	97
17) tert-Butyl alcohol	2.039	59	172075	9.968	ppbv	99
18) 1,1-Dichloroethene	2.036	96	63992	9.955	ppbv	99
19) Isopropyl Alcohol	1.887	45	97672	9.624	ppbv	100
20) Methylene Chloride	2.062	84	56851	8.739	ppbv	96
21) Allyl Chloride	2.098	41	120871	9.772	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	72704	9.669	ppbv	95
23) Vinyl Acetate	2.463	43	184141	9.415	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	146965	10.102	ppbv	98
25) Ethyl Acetate	2.836	43	312927	9.540	ppbv	100
26) Hexane	2.829	57	138195	10.262	ppbv	97
27) Carbon Disulfide	2.153	76	181278	10.428	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	84826	11.338	ppbv	97
29) Chloroform	2.852	83	247796	8.872	ppbv	99
30) Cyclohexane	3.858	84	119963	10.850	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	145273	9.553	ppbv	95
32) 1,1,1-Trichloroethane	3.370	97	255956	8.881	ppbv	99
34) 2-Butanone	2.557	43	197074	8.720	ppbv	98
35) Carbon Tetrachloride	3.768	117	277335	8.997	ppbv	98
36) Benzene	3.661	78	293547	9.661	ppbv	99
37) 1,2-Dichloroethane	3.221	62	193600	8.932	ppbv	100
38) Trichloroethene	4.551	130	122351	9.261	ppbv	97
39) 1,2-Dichloropropane	4.315	63	103541	9.148	ppbv	88
40) 1,4-Dioxane	4.583	88	47286	10.292	ppbv #	99
41) Tetrahydrofuran	3.056	42	101765	10.403	ppbv	98
42) Bromodichloromethane	4.493	83	263548	9.111	ppbv	98
43) Methyl Methacrylate	4.884	69	106126	10.429	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	476041	9.887	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	132911	10.223	ppbv	96

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Manual Integrations
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 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:32:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

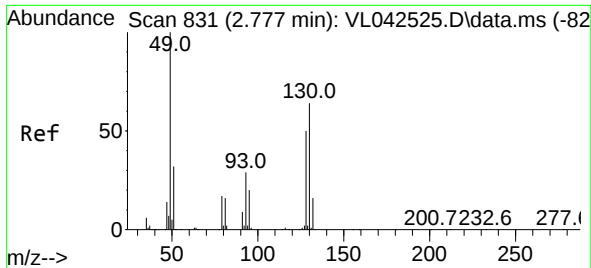
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	160141	10.239	ppbv	92
47) 1,1,2-Trichloroethane	6.587	97	119517	8.967	ppbv	97
48) Dibromochloromethane	7.389	129	215320	9.676	ppbv	98
49) Bromoform	9.487	173	177871	9.740	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	268277	10.107	ppbv	99
51) 2-Hexanone	7.438	43	221041	11.195	ppbv #	99
52) Tetrachloroethene	8.228	164	104385	8.979	ppbv	91
53) Toluene	6.940	91	320104	10.735	ppbv	100
54) 1,2-Dibromoethane	7.658	107	181316	9.315	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	166531	9.064	ppbv	98
57) Chlorobenzene	8.924	112	275176	9.248	ppbv	99
58) Ethyl Benzene	9.357	91	466684	11.554	ppbv	94
59) m/p-Xylene	9.555	91	794877m	22.159	ppbv	
60) o-Xylene	9.969	91	395533	11.290	ppbv	100
61) Styrene	9.875	104	152625	11.763	ppbv	98
62) Isopropylbenzene	10.542	105	572300	10.847	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	248344	8.734	ppbv	99
64) n-propylbenzene	10.992	120	149437	11.156	ppbv	100
65) tert-Butylbenzene	11.532	119	527031	10.878	ppbv	100
66) Benzyl Chloride	11.617	91	67242	10.445	ppbv	99
67) sec-Butylbenzene	11.772	105	733606	10.561	ppbv	100
69) p-Isopropyltoluene	11.927	119	635567	11.129	ppbv	99
70) n-Butylbenzene	12.283	91	632577	11.210	ppbv	100
71) 2-Chlorotoluene	10.904	91	439880	11.010	ppbv	99
72) 4-Ethyltoluene	11.128	105	496655	11.428	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	415787	10.984	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	471038	10.114	ppbv	91
75) 1,3-Dichlorobenzene	11.610	146	282203	9.675	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	274722	9.900	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	269587	8.948	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	219747	8.506	ppbv	99
79) Naphthalene	13.513	128	437553	13.557	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	278888	14.972	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219152	11.164	ppbv	99

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue May 13 02:07:03 2025
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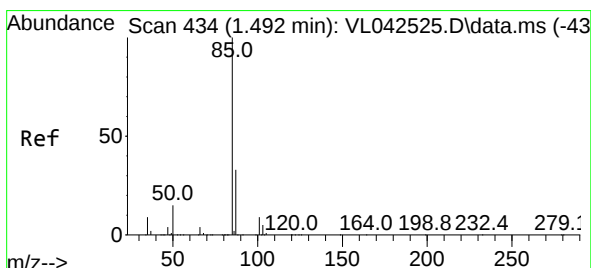
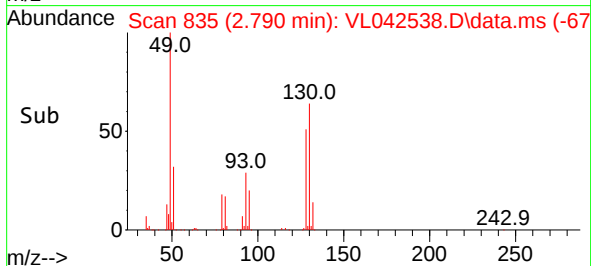
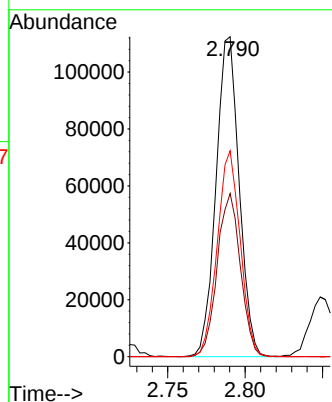
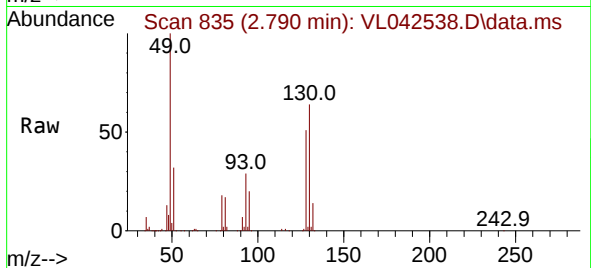
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 49 Resp: 11691
Ion Ratio Lower Upper
49 100
128 51.1 24.9 74.6
130 63.8 32.5 97.5

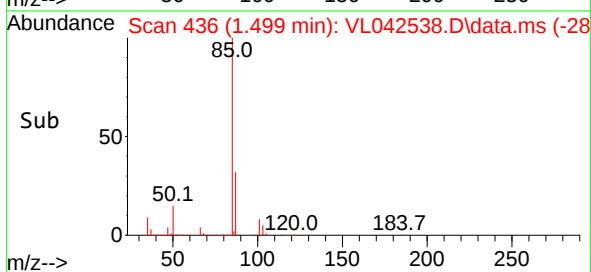
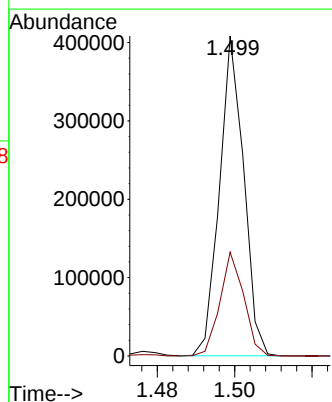
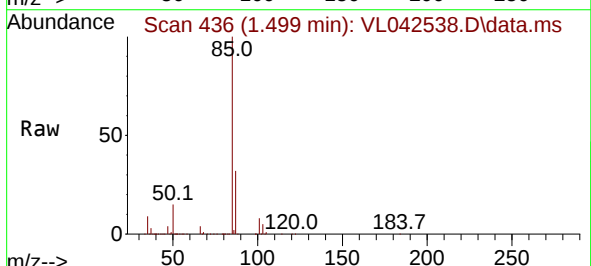
Manual Integrations
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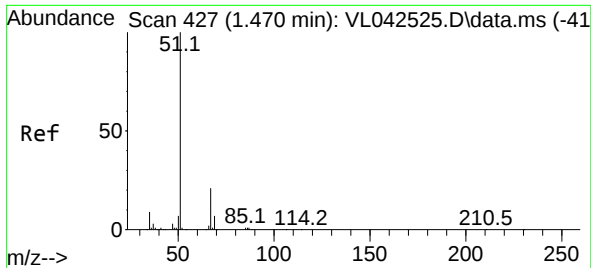
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#2
Dichlorodifluoromethane
Concen: 9.342 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 85 Resp: 177349
Ion Ratio Lower Upper
85 100
87 32.4 26.8 40.2





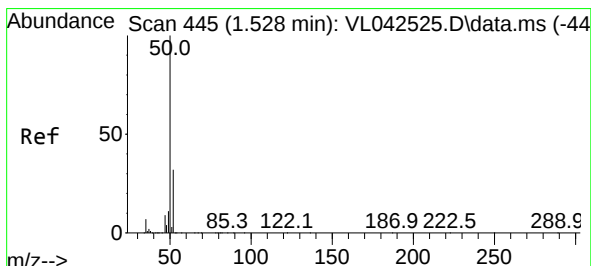
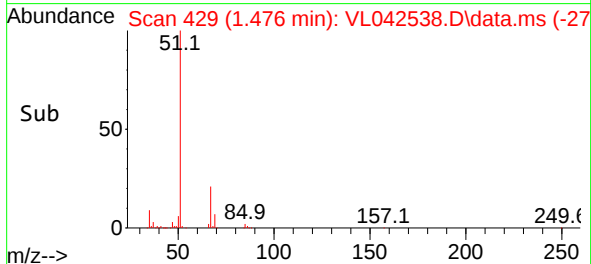
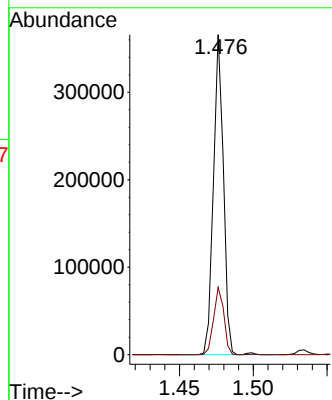
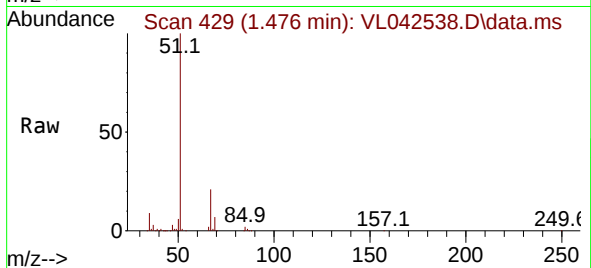
#3
Chlorodifluoromethane
Concen: 8.861 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 51 Resp: 171430
Ion Ratio Lower Upper
51 100
67 21.7 17.4 26.0

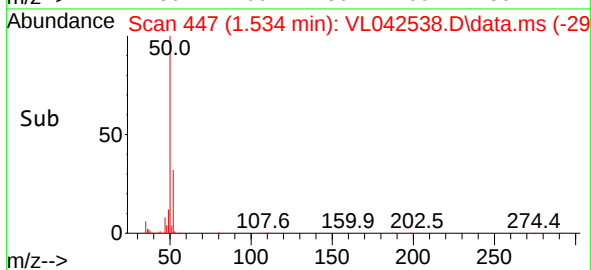
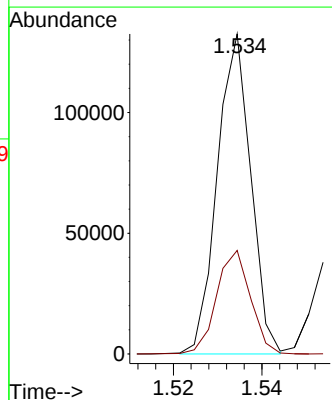
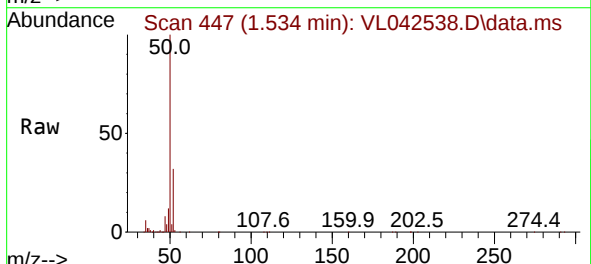
Manual Integrations
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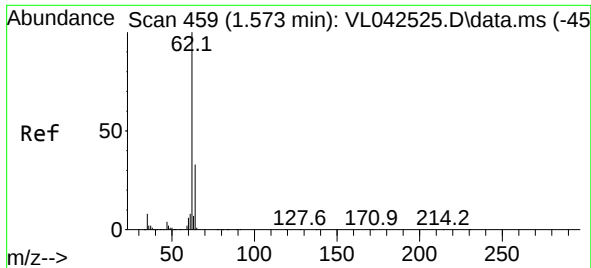
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#4
Chloromethane
Concen: 8.987 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 50 Resp: 69630
Ion Ratio Lower Upper
50 100
52 32.3 25.9 38.9





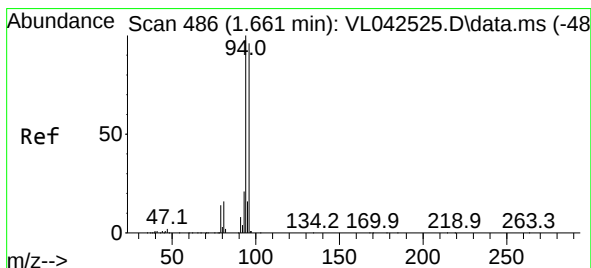
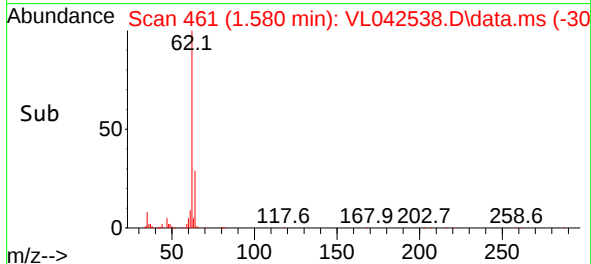
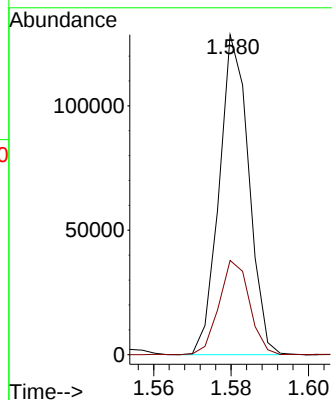
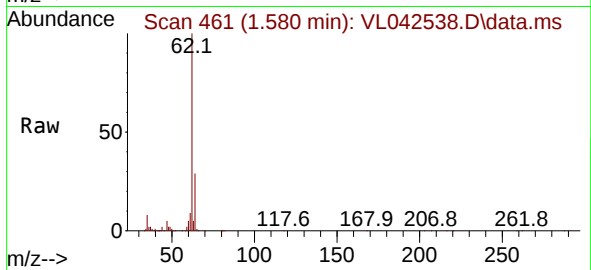
#5
 Vinyl Chloride
 Concen: 8.610 ppbv
 RT: 1.580 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion: 62 Resp: 6826
 Ion Ratio Lower Upper
 62 100
 64 29.4 26.5 39.7

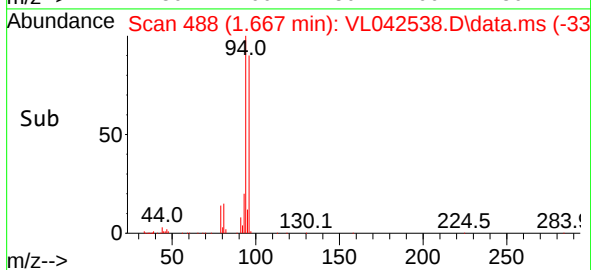
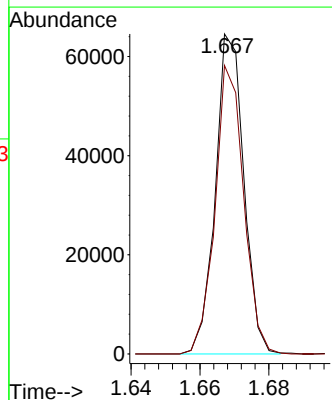
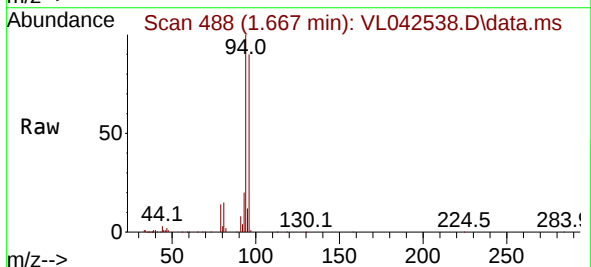
Manual Integrations
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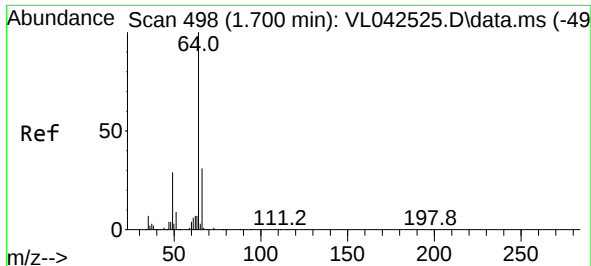
Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025



#6
 Bromomethane
 Concen: 9.854 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.006 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

Tgt Ion: 94 Resp: 37101
 Ion Ratio Lower Upper
 94 100
 96 90.2 76.9 115.3





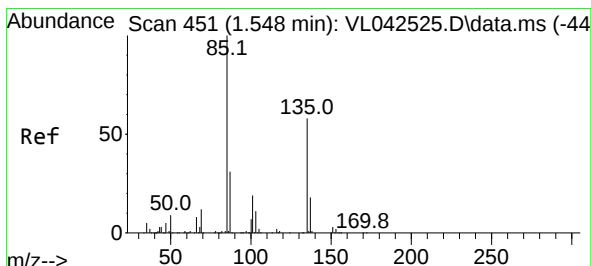
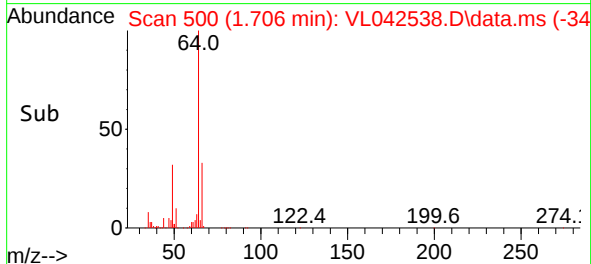
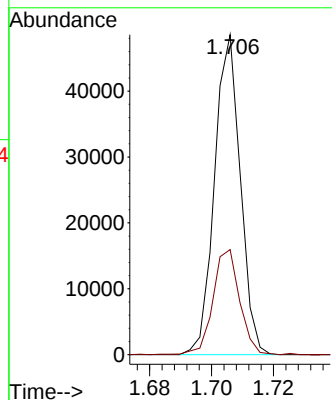
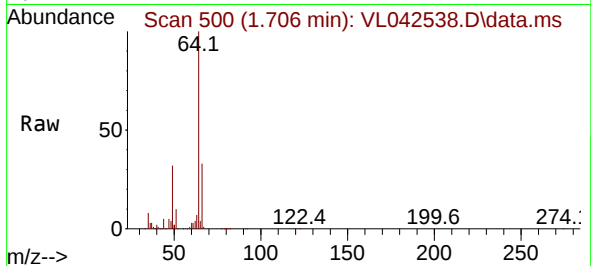
#7
Chloroethane
Concen: 8.956 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 64 Resp: 28035
Ion Ratio Lower Upper
64 100
66 32.9 25.1 37.7

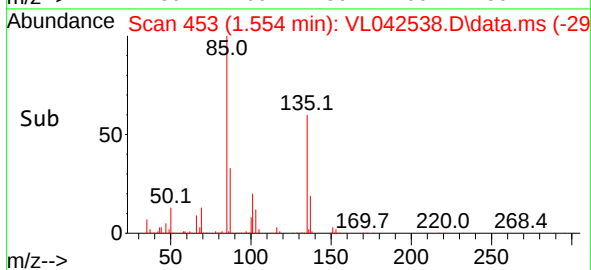
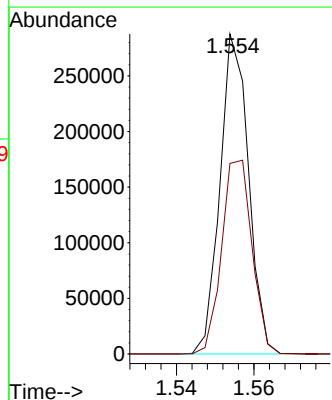
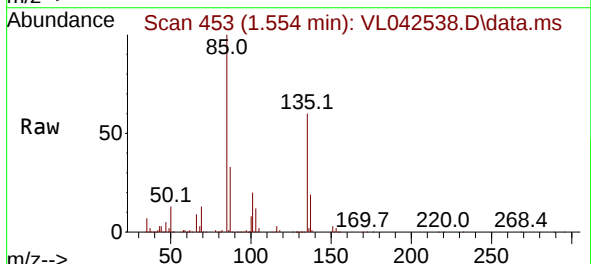
Manual Integrations
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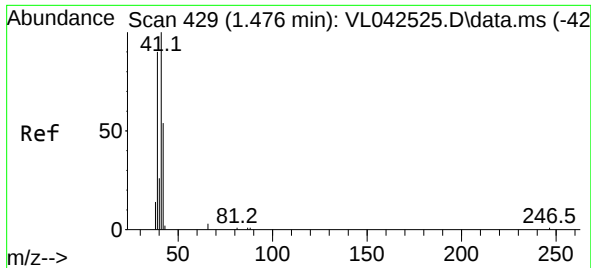
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#8
Dichlorotetrafluoroethane
Concen: 8.993 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 85 Resp: 146902
Ion Ratio Lower Upper
85 100
135 64.8 51.8 77.8





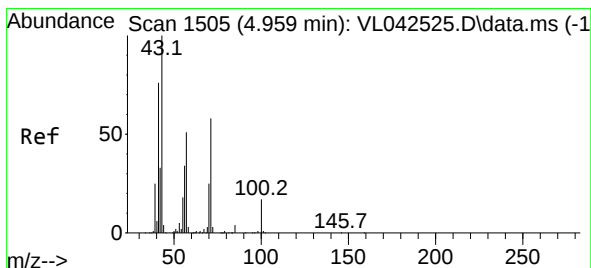
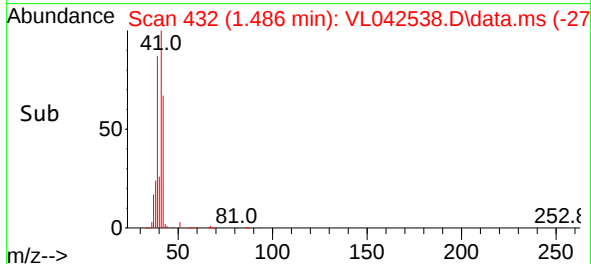
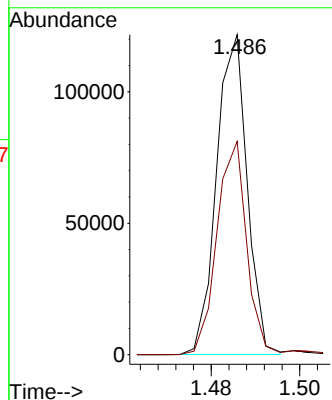
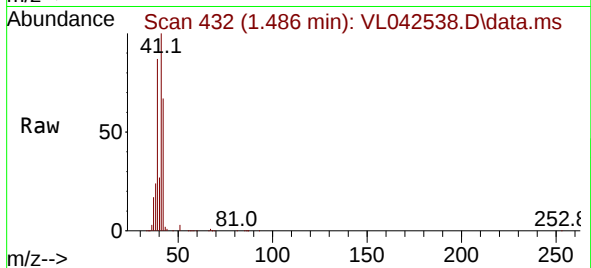
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 Propene
 Concen: 13.876 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tgt Ion: 41 Resp: 5821
 Ion Ratio Lower Upper
 41 100
 42 66.8 4.1 6.1

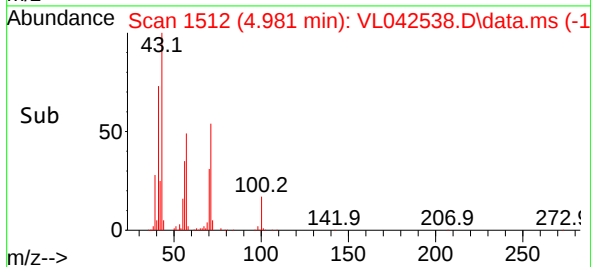
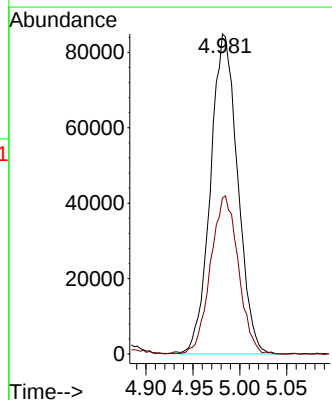
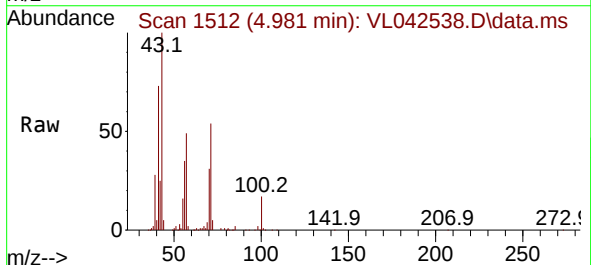
Manual Integrations
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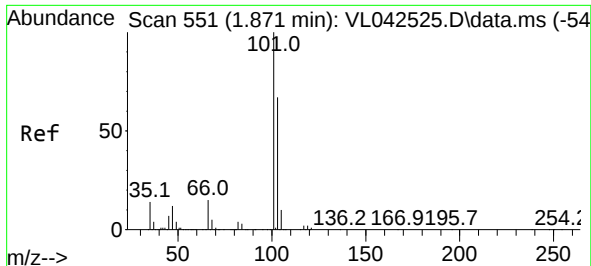
Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025



#10
 Heptane
 Concen: 10.667 ppbv
 RT: 4.981 min Scan# 1512
 Delta R.T. 0.022 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

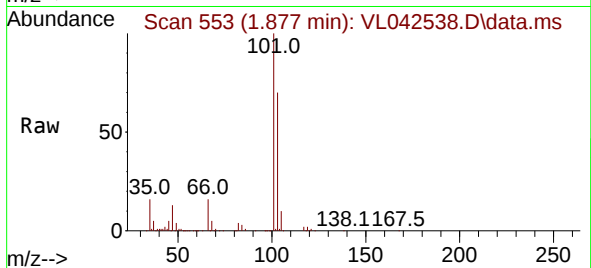
Tgt Ion: 43 Resp: 171029
 Ion Ratio Lower Upper
 43 100
 57 50.3 42.1 63.1





#11
Trichlorofluoromethane
Concen: 10.054 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

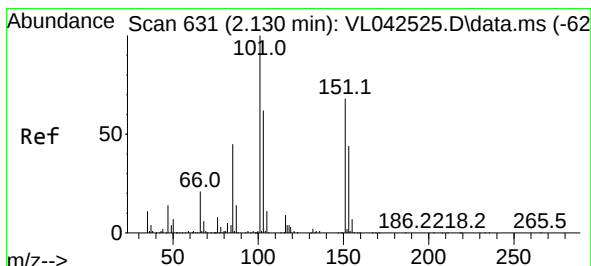
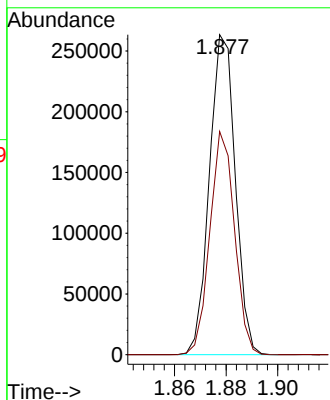
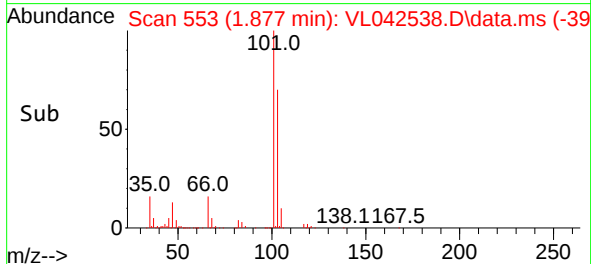
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



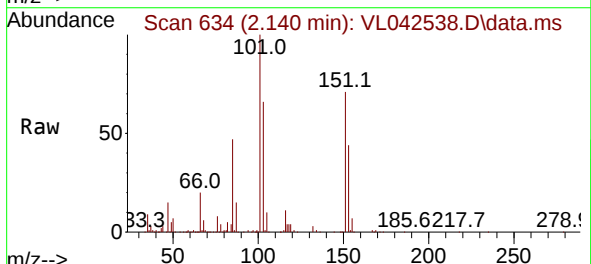
Tgt Ion:101 Resp: 183598
Ion Ratio Lower Upper
101 100
103 69.8 53.8 80.6

Manual Integrations
APPROVED

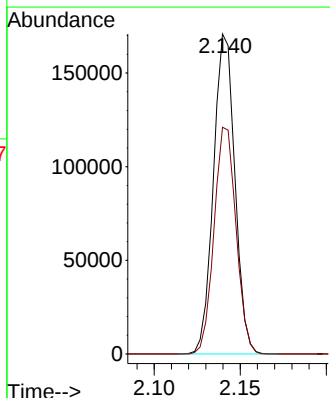
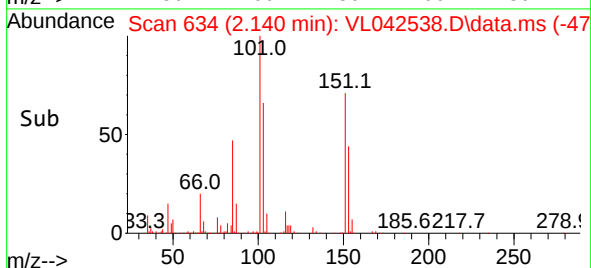
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

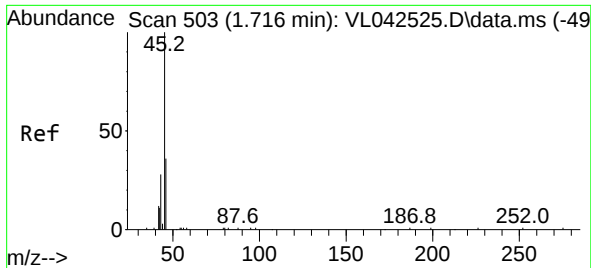


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.103 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion:101 Resp: 148178
Ion Ratio Lower Upper
101 100
151 72.6 57.8 86.8





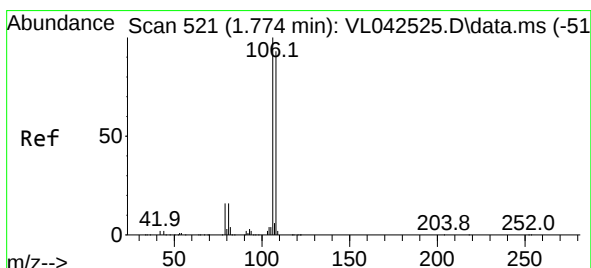
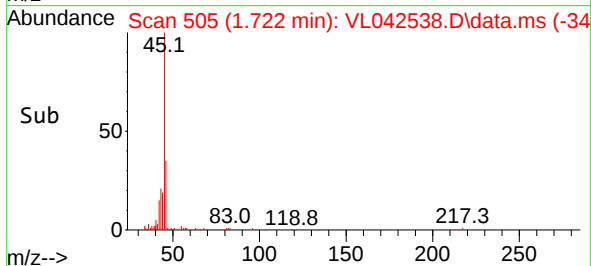
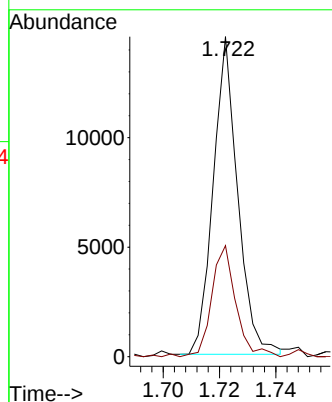
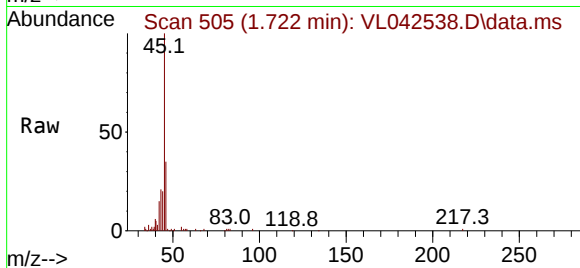
#13
Ethanol
Concen: 7.754 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 45 Resp: 875
Ion Ratio Lower Upper
45 100
46 36.1 14.8 59.4

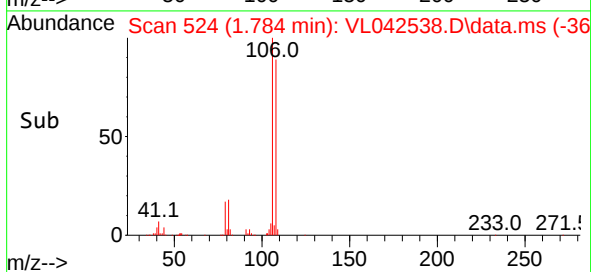
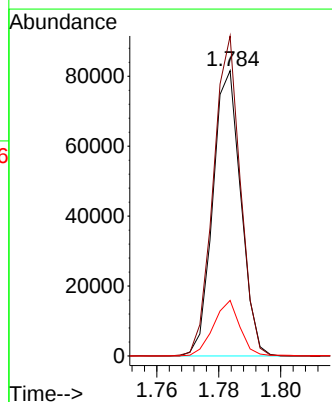
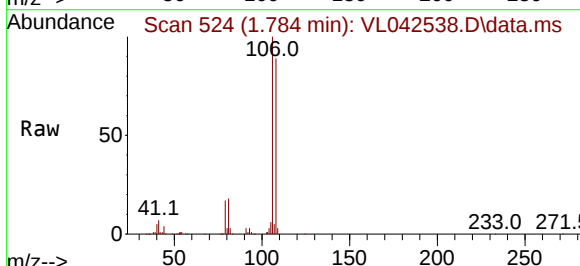
Manual Integrations
APPROVED

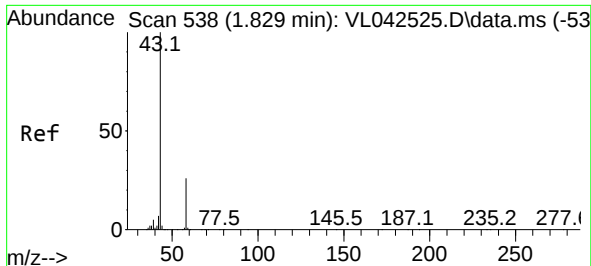
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#14
Bromoethene
Concen: 9.589 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion:108 Resp: 51275
Ion Ratio Lower Upper
108 100
106 108.1 87.4 131.2
79 19.0 15.1 22.7





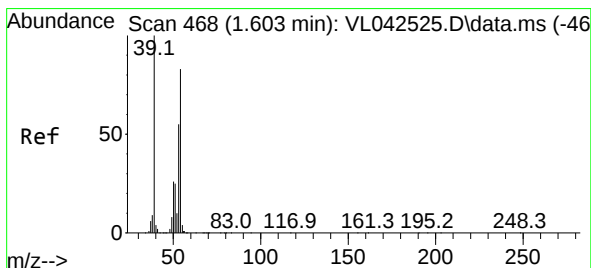
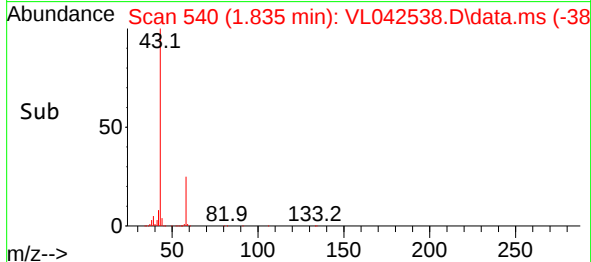
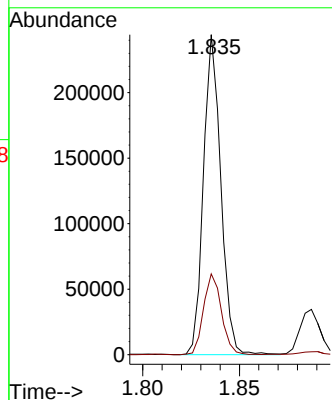
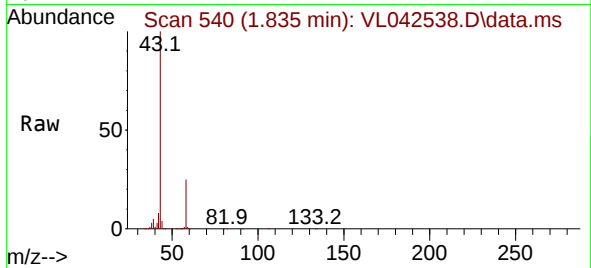
#15
Acetone
Concen: 8.119 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 43 Resp: 152999
Ion Ratio Lower Upper
43 100
58 26.2 21.3 31.9

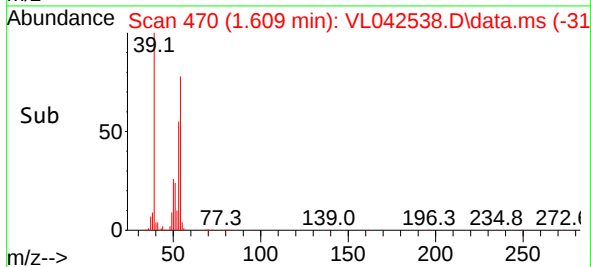
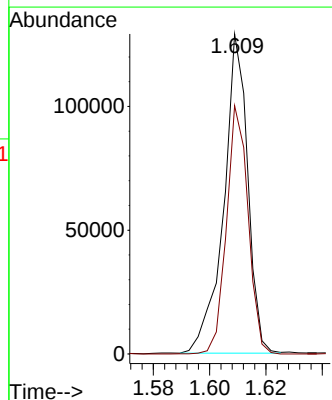
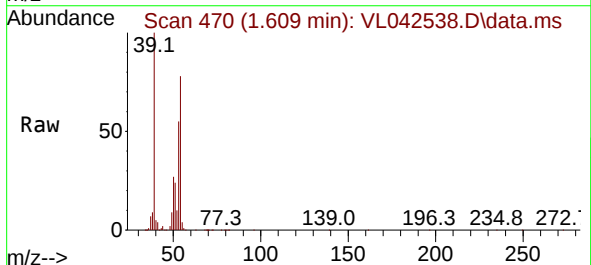
Manual Integrations
APPROVED

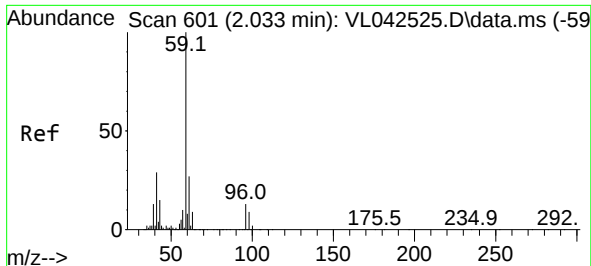
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#16
1,3-Butadiene
Concen: 9.092 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 39 Resp: 76378
Ion Ratio Lower Upper
39 100
54 70.0 57.8 86.6





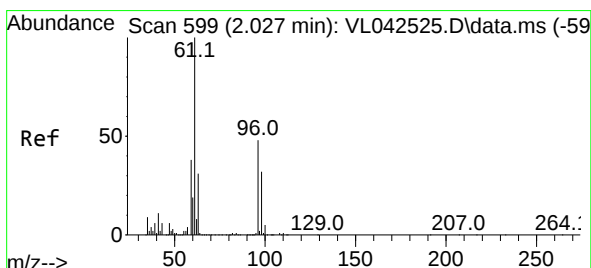
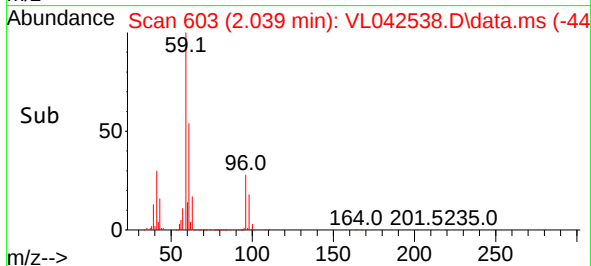
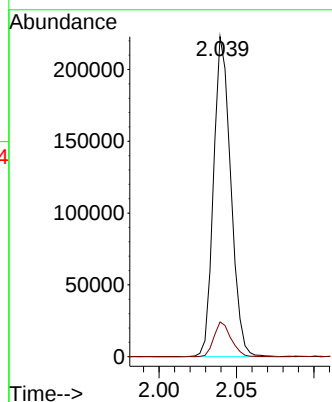
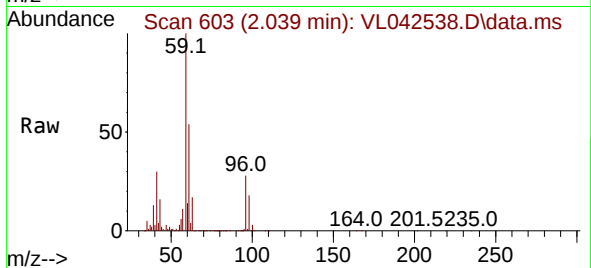
#17
tert-Butyl alcohol
Concen: 9.968 ppbv
RT: 2.039 min Scan# 601
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 59 Resp: 172075
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4

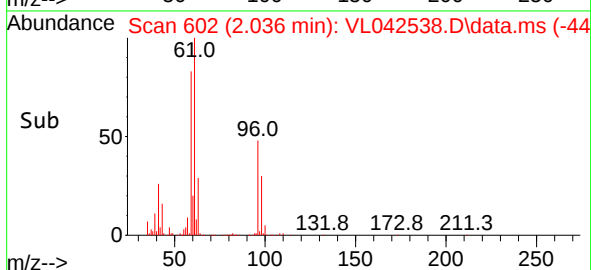
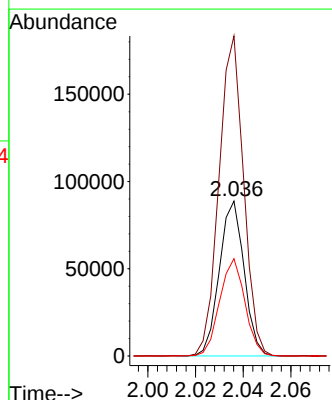
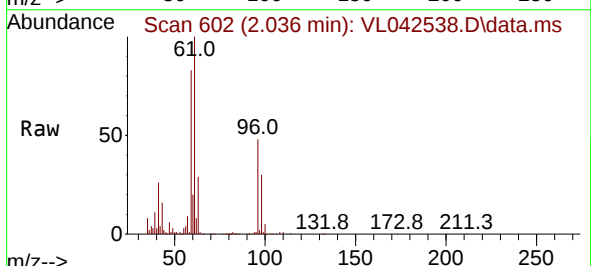
Manual Integrations
APPROVED

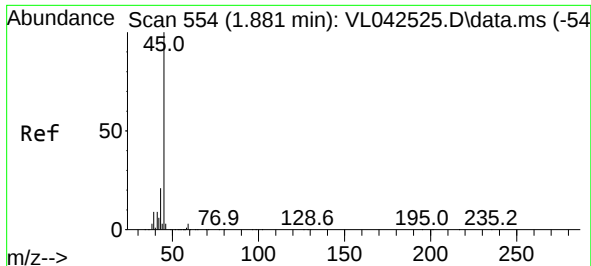
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#18
1,1-Dichloroethene
Concen: 9.955 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 96 Resp: 63992
Ion Ratio Lower Upper
96 100
61 206.6 165.0 247.4
98 62.8 52.6 79.0





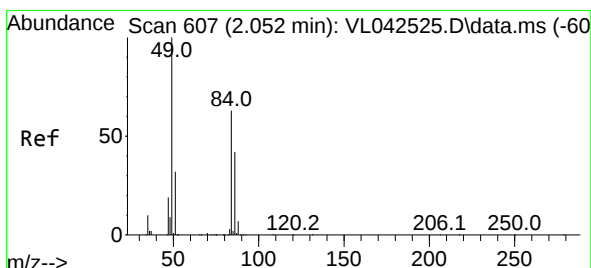
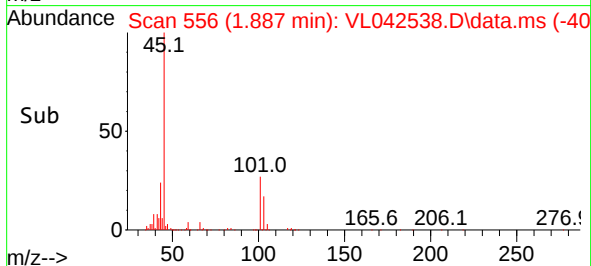
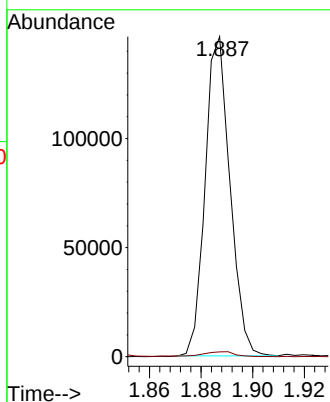
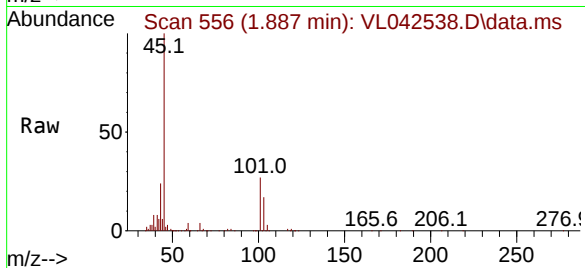
#19
Isopropyl Alcohol
Concen: 9.624 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 45 Resp: 97672
Ion Ratio Lower Upper
45 100
58 2.0 1.5 2.3

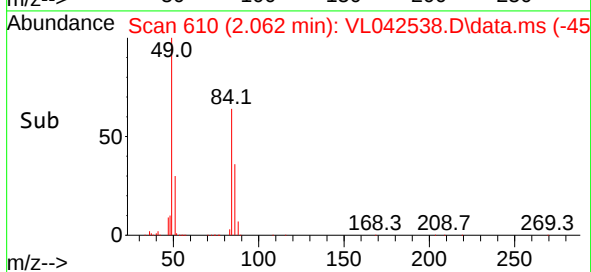
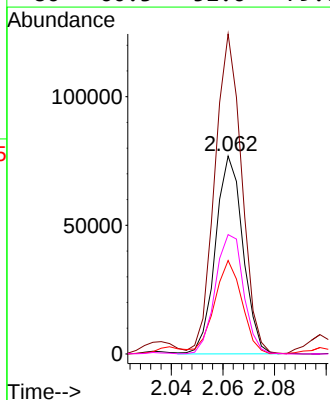
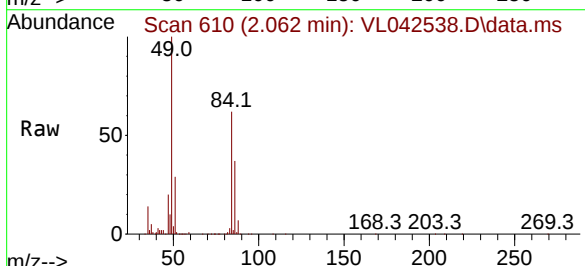
Manual Integrations
APPROVED

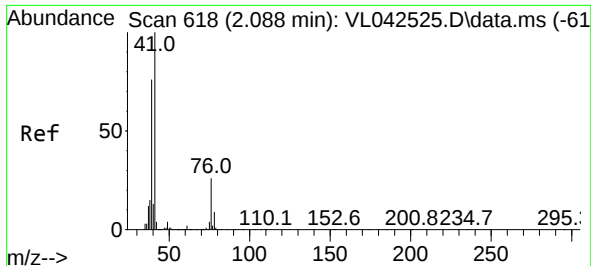
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#20
Methylene Chloride
Concen: 8.739 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 84 Resp: 56851
Ion Ratio Lower Upper
84 100
49 161.5 128.2 192.4
51 46.9 41.7 62.5
86 60.3 52.6 79.0





#21

Allyl Chloride

Concen: 9.772 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

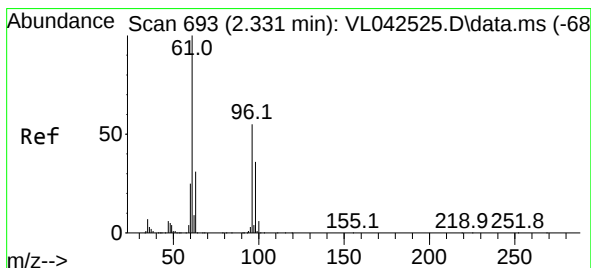
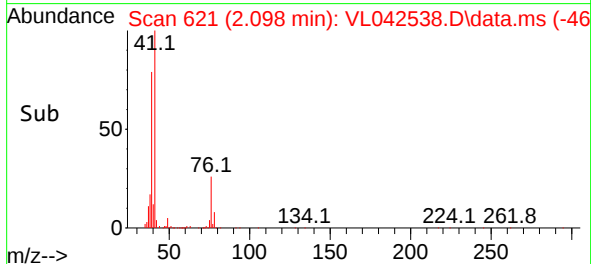
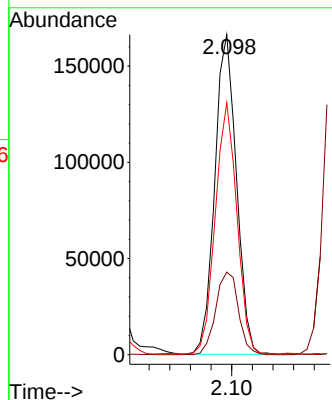
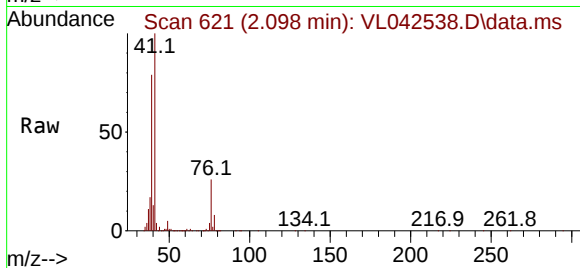
Tgt Ion: 41 Resp: 12087

Ion	Ratio	Lower	Upper
41	100		
76	27.1	22.0	33.0
39	78.9	59.5	89.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#22

trans-1,2-Dichloroethene

Concen: 9.669 ppbv

RT: 2.340 min Scan# 696

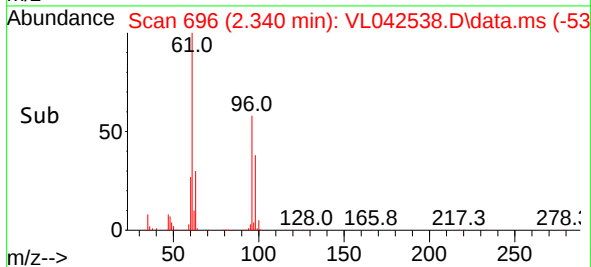
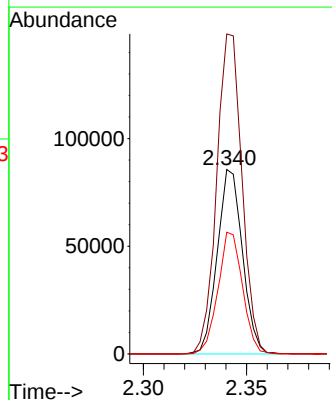
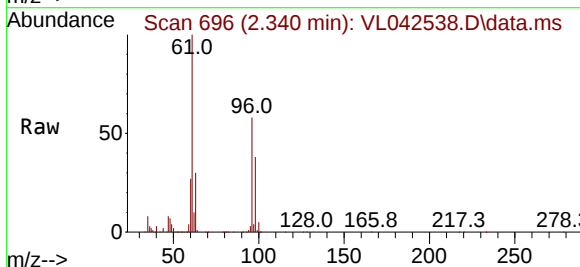
Delta R.T. 0.010 min

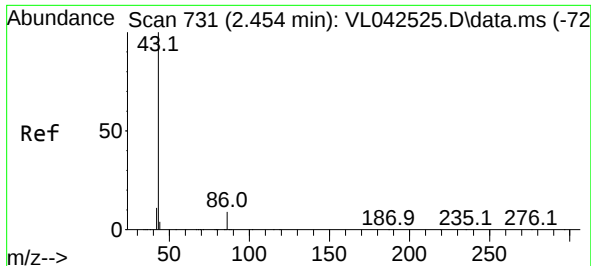
Lab File: VL042538.D

Acq: 14 May 2025 11:53

Tgt Ion: 96 Resp: 72704

Ion	Ratio	Lower	Upper
96	100		
61	173.4	145.9	218.9
98	66.0	52.2	78.4





#23
 Vinyl Acetate
 Concen: 9.415 ppbv
 RT: 2.463 min Scan# 714
 Delta R.T. 0.010 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

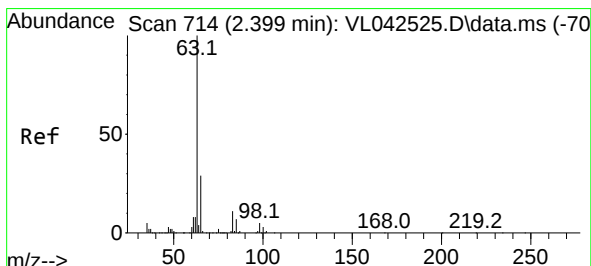
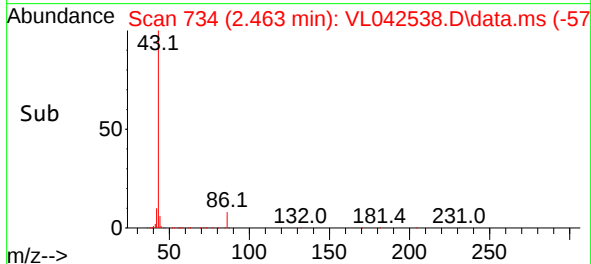
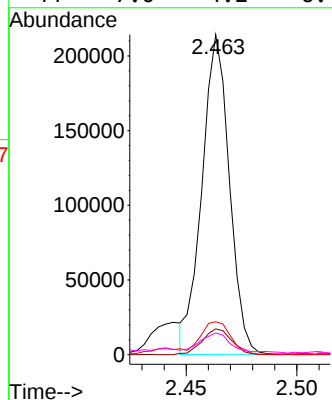
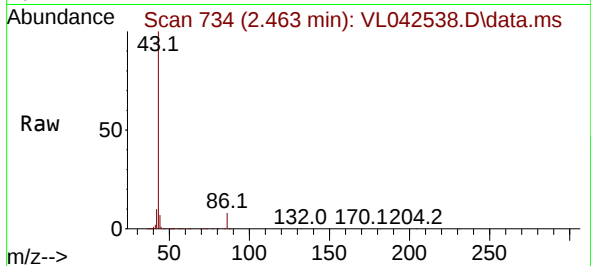
VL0514ABS01

Tgt Ion: 43 Resp: 18414
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.8 10.2
 42 10.2 8.8 13.2
 44 7.0 4.2 6.4#

Manual Integrations

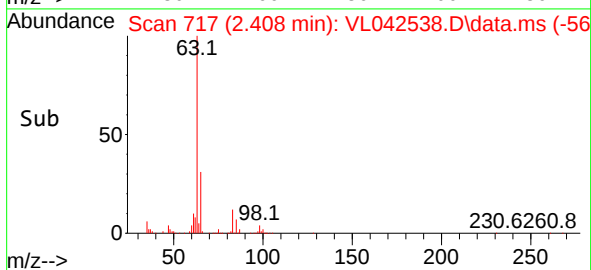
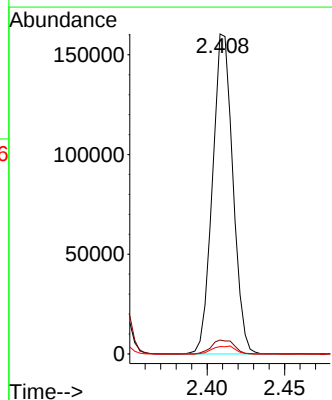
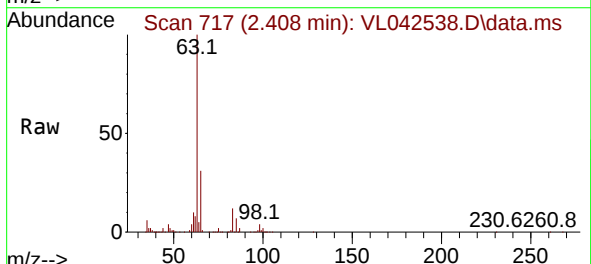
APPROVED

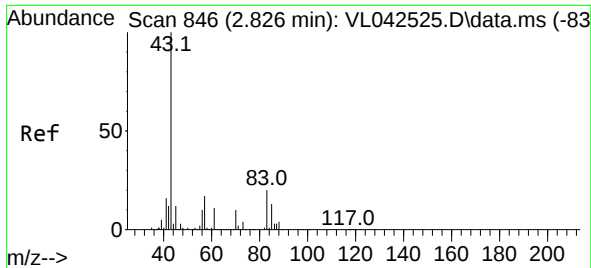
Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025



#24
 1,1-Dichloroethane
 Concen: 10.102 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.010 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

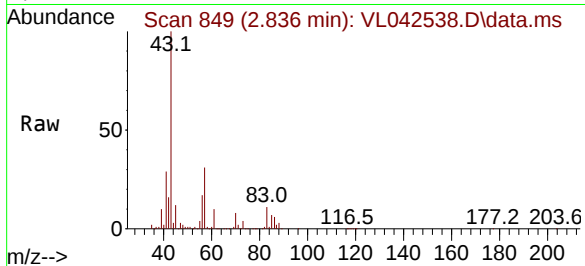
Tgt Ion: 63 Resp: 146965
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.6 8.0
 100 2.3 1.4 4.2





#25
Ethyl Acetate
Concen: 9.540 ppbv
RT: 2.836 min Scan# 846
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

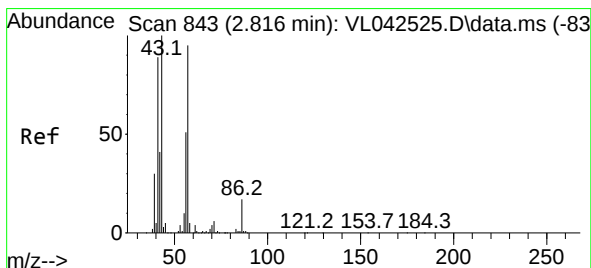
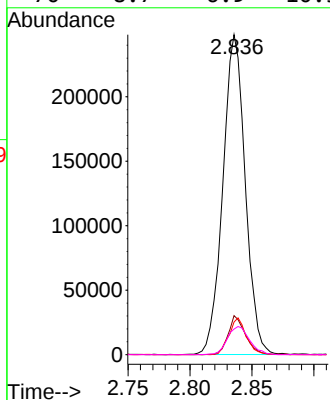
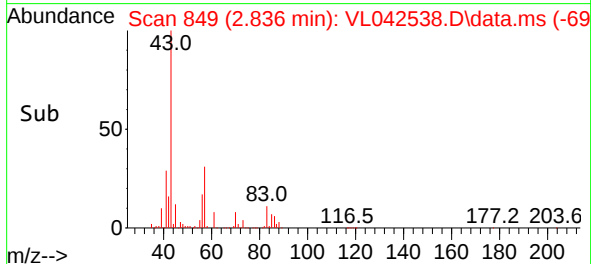
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



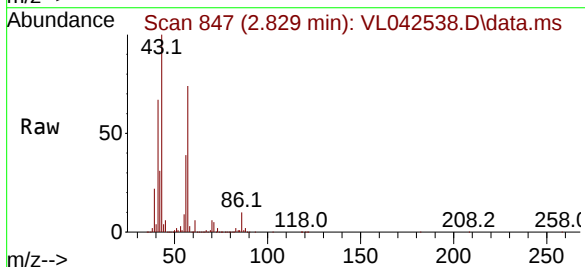
Tgt Ion: 43 Resp: 31292
Ion Ratio Lower Upper
43 100
45 9.6 7.9 11.9
61 9.0 7.1 10.7
70 8.7 6.9 10.3

Manual Integrations
APPROVED

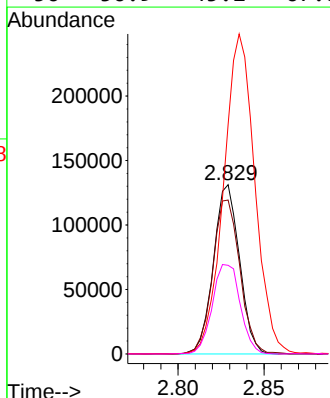
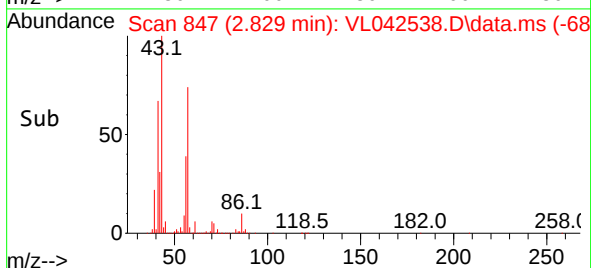
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

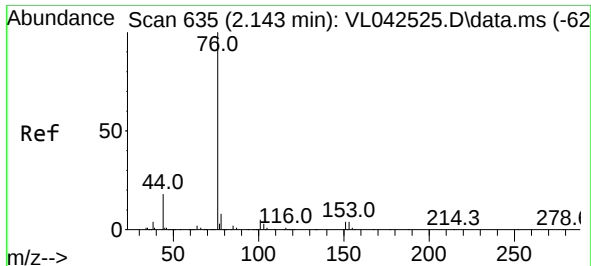


#26
Hexane
Concen: 10.262 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion: 57 Resp: 138195
Ion Ratio Lower Upper
57 100
41 95.6 76.1 114.1
43 227.4 188.9 283.3
56 56.9 45.2 67.8





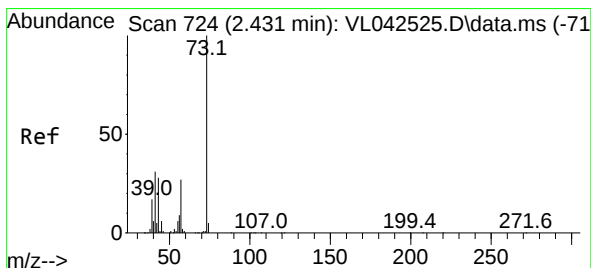
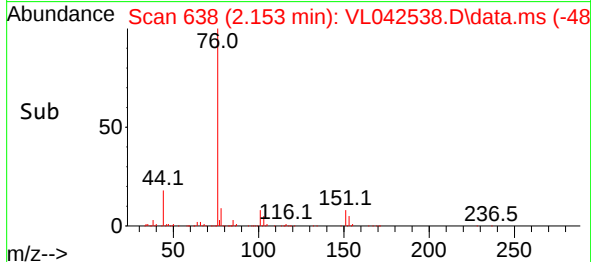
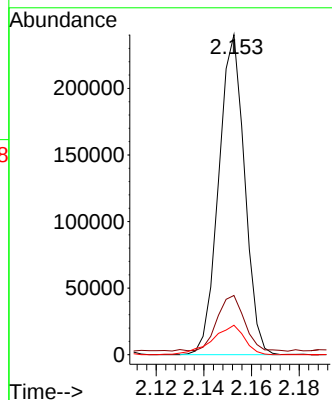
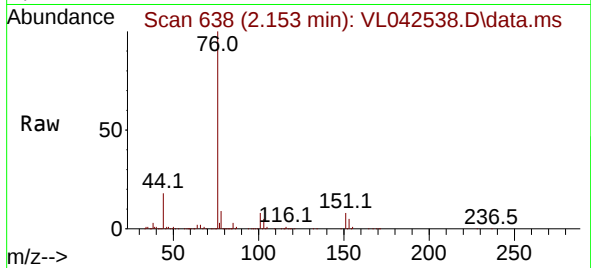
#27
Carbon Disulfide
Concen: 10.428 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 76 Resp: 181278
Ion Ratio Lower Upper
76 100
44 18.5 17.1 25.7
78 11.4 8.6 12.8

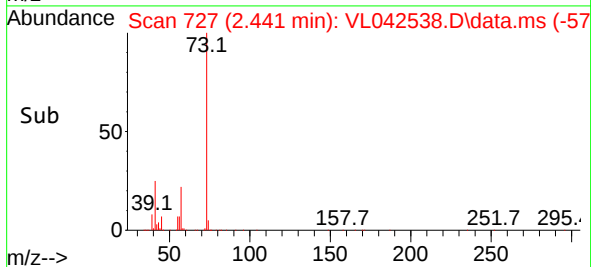
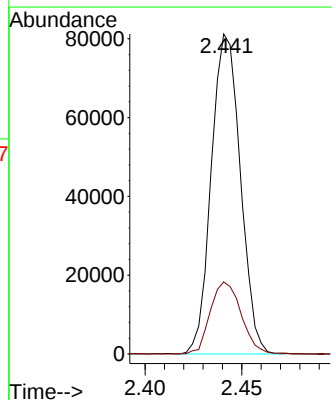
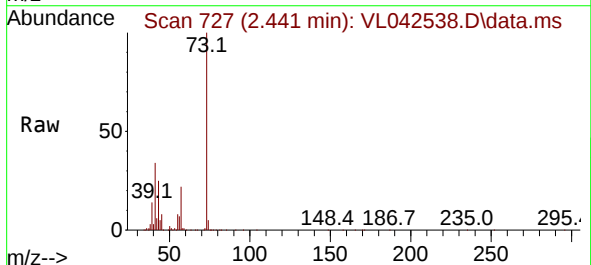
Manual Integrations
APPROVED

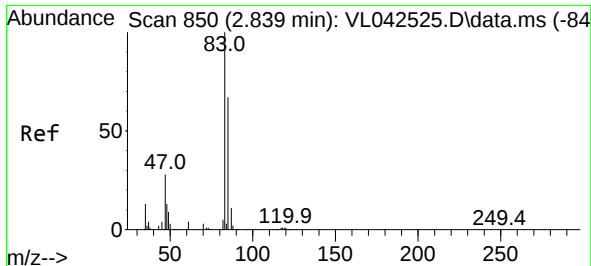
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#28
Methyl tert-Butyl Ether
Concen: 11.338 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 73 Resp: 84826
Ion Ratio Lower Upper
73 100
57 24.0 20.3 30.5





#29

Chloroform

Concen: 8.872 ppbv

RT: 2.852 min Scan# 850

Delta R.T. 0.013 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 83 Resp: 247790

Ion Ratio Lower Upper

83 100

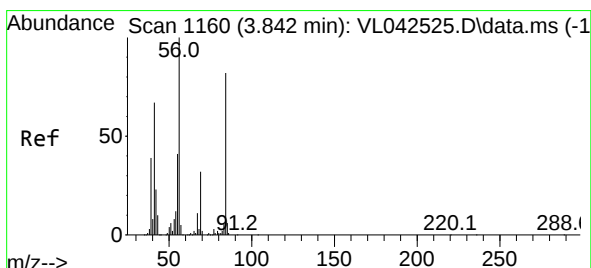
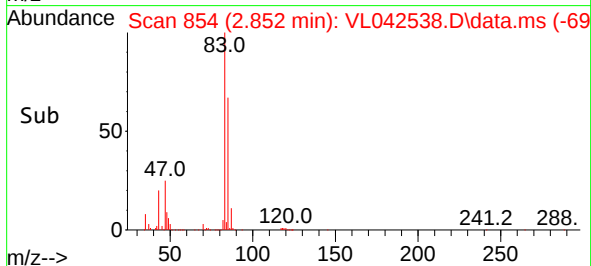
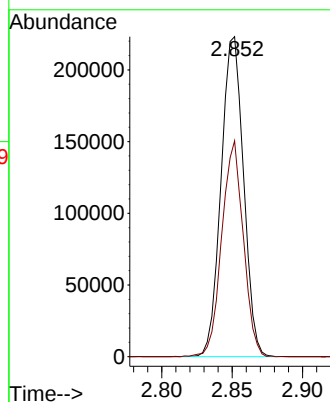
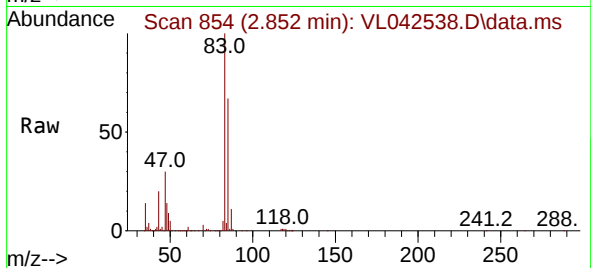
85 67.4 53.5 80.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#30

Cyclohexane

Concen: 10.850 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

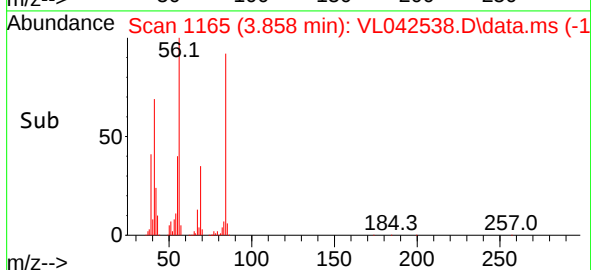
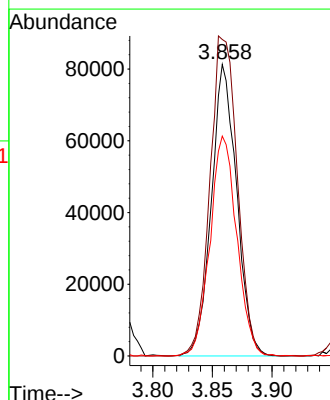
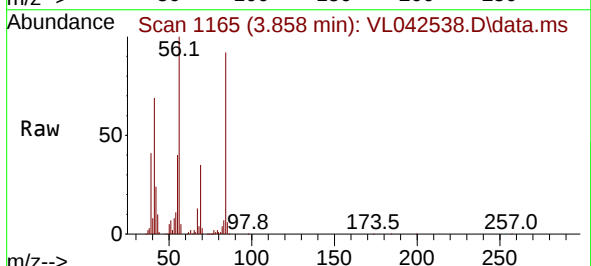
Tgt Ion: 84 Resp: 119963

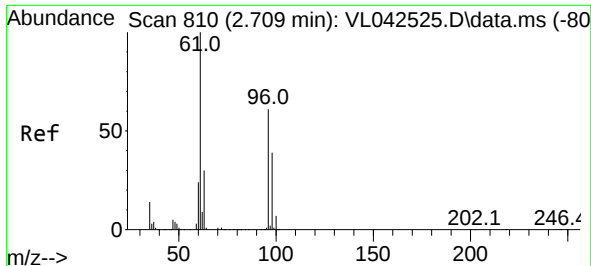
Ion Ratio Lower Upper

84 100

56 118.8 97.1 145.7

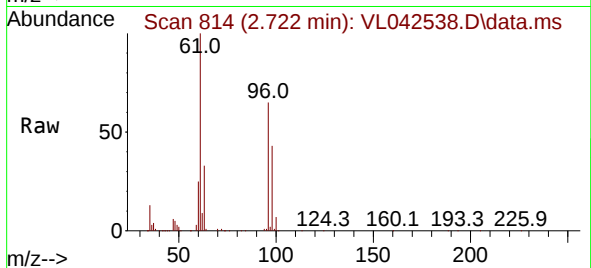
41 79.9 66.6 99.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.553 ppbv
 RT: 2.722 min Scan# 810
 Delta R.T. 0.013 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

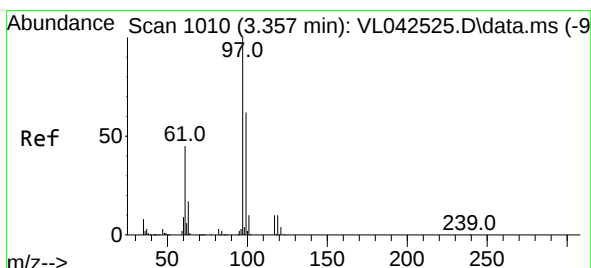
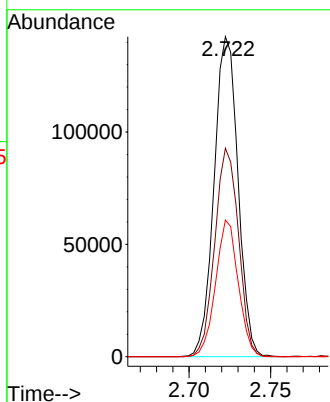
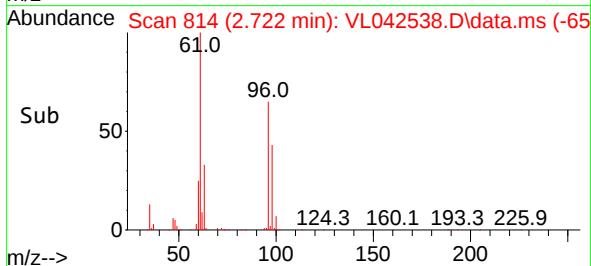
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01



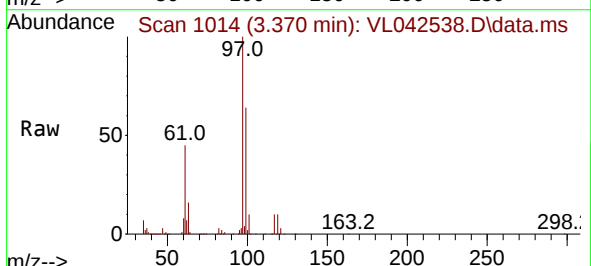
Tgt Ion: 61 Resp: 14527
 Ion Ratio Lower Upper
 61 100
 96 65.1 48.9 73.3
 98 42.7 31.4 47.2

Manual Integrations
 APPROVED

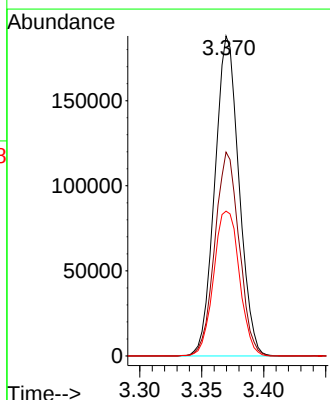
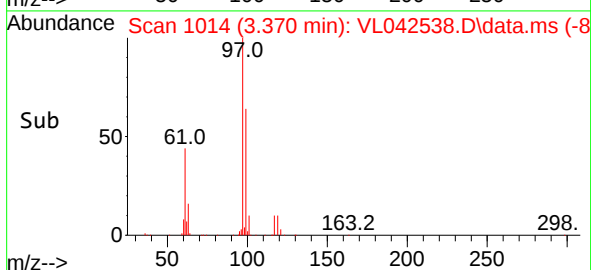
Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

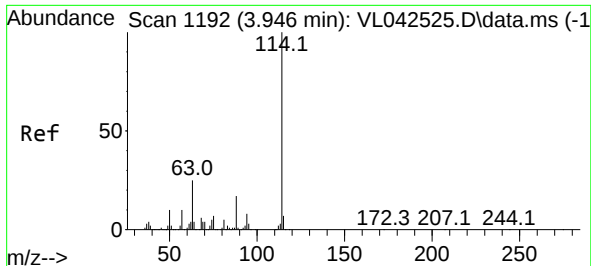


#32
 1,1,1-Trichloroethane
 Concen: 8.881 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.013 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53



Tgt Ion: 97 Resp: 255956
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.1 75.1
 61 48.3 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1192

Delta R.T. 0.016 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

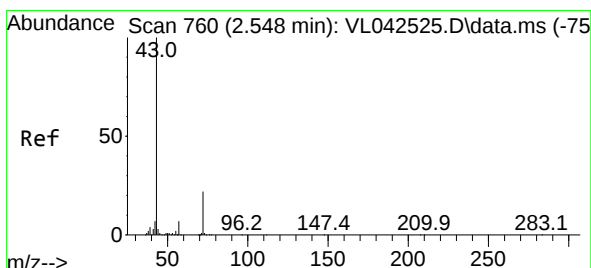
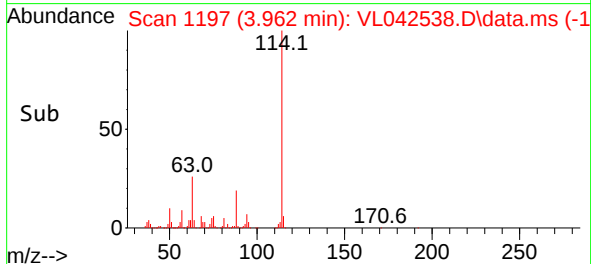
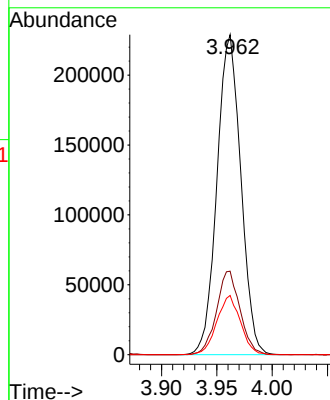
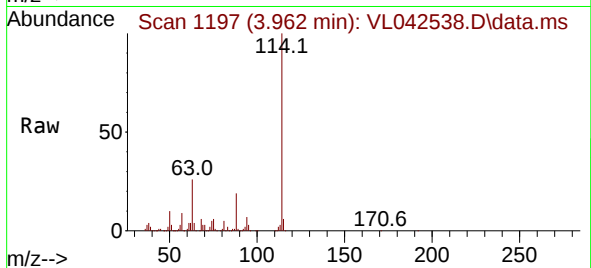
Tgt Ion:114 Resp: 342869

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.4	30.6
88	18.4	14.5	21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#34

2-Butanone

Concen: 8.720 ppbv

RT: 2.557 min Scan# 763

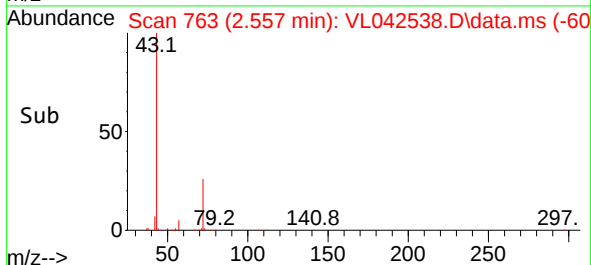
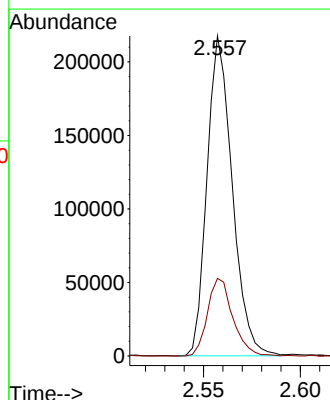
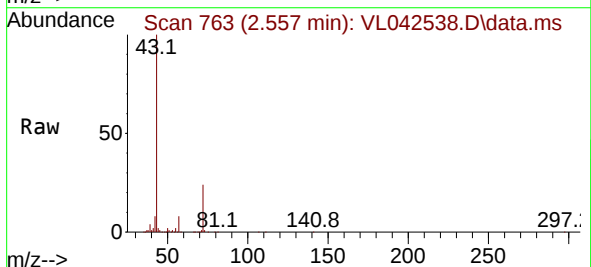
Delta R.T. 0.010 min

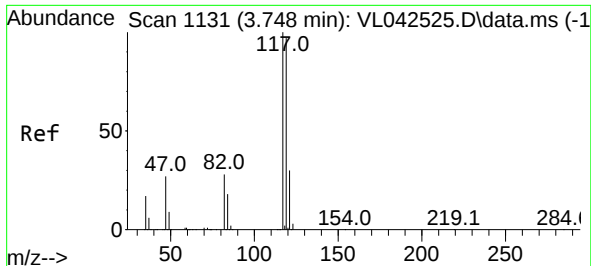
Lab File: VL042538.D

Acq: 14 May 2025 11:53

Tgt Ion: 43 Resp: 197074

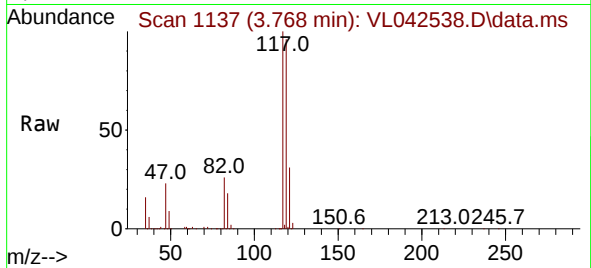
Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.7	28.1





#35
Carbon Tetrachloride
Concen: 8.997 ppbv
RT: 3.768 min Scan# 1131
Delta R.T. 0.019 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

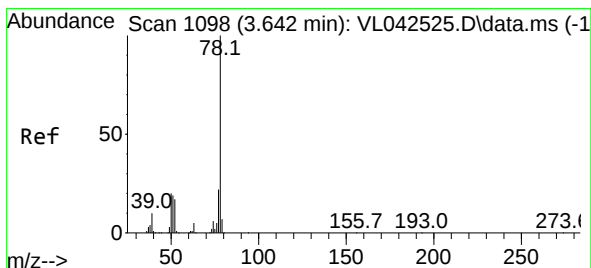
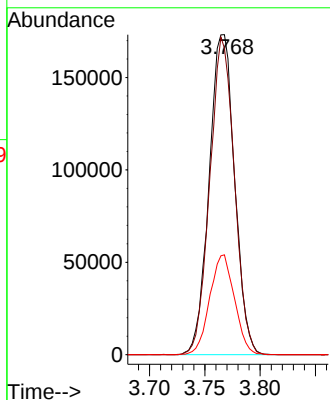
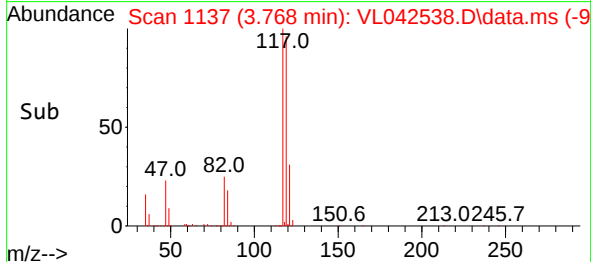
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



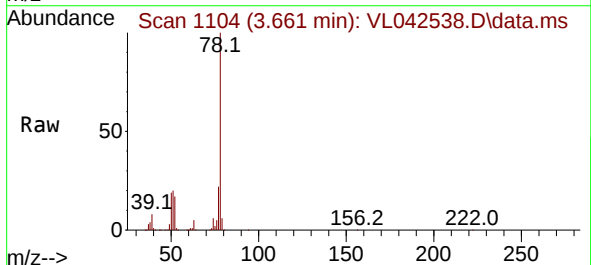
Tgt Ion:117 Resp: 277335
Ion Ratio Lower Upper
117 100
119 95.8 77.7 116.5
121 31.2 24.0 36.0

Manual Integrations
APPROVED

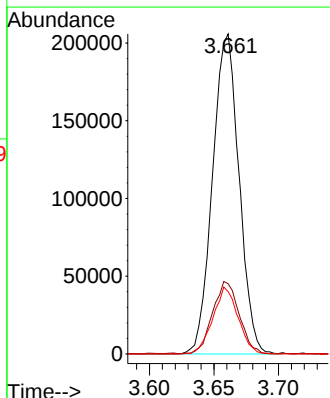
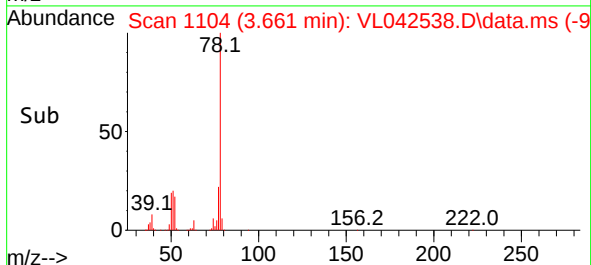
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

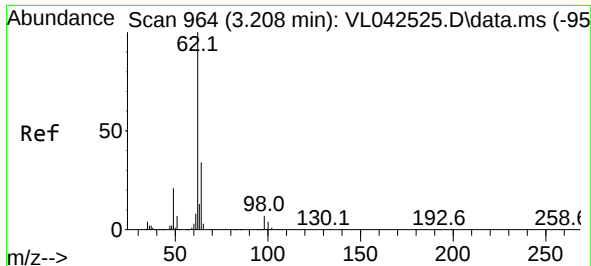


#36
Benzene
Concen: 9.661 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.019 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion: 78 Resp: 293547
Ion Ratio Lower Upper
78 100
77 21.9 17.4 26.2
50 19.5 16.3 24.5





#37

1,2-Dichloroethane

Concen: 8.932 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.013 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 62 Resp: 193600

Ion Ratio Lower Upper

62 100

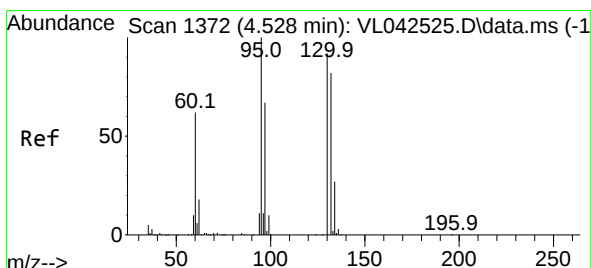
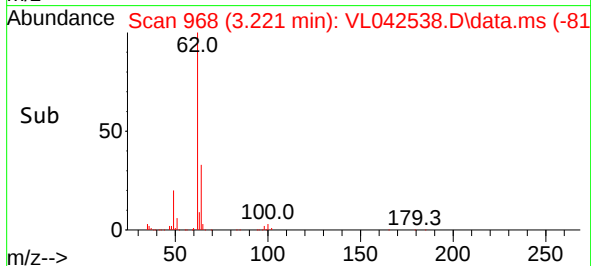
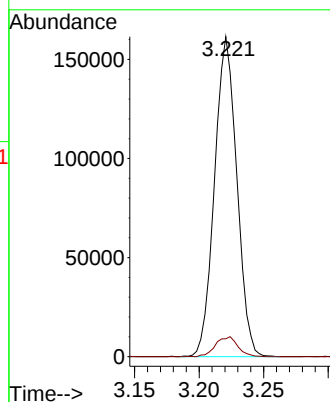
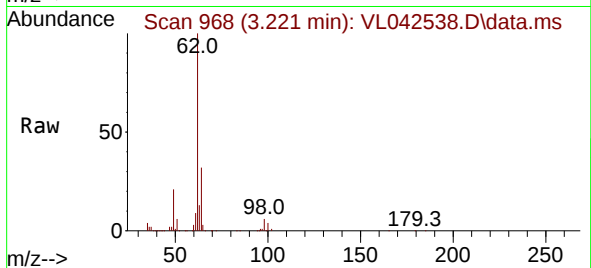
98 6.3 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#38

Trichloroethene

Concen: 9.261 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.023 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Tgt Ion:130 Resp: 122351

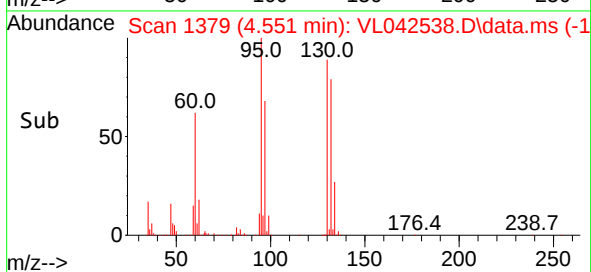
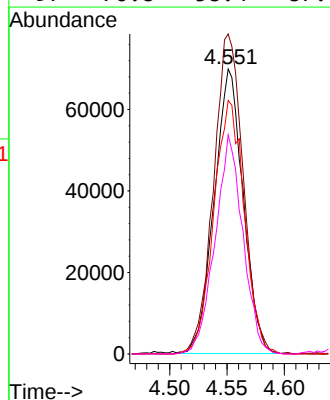
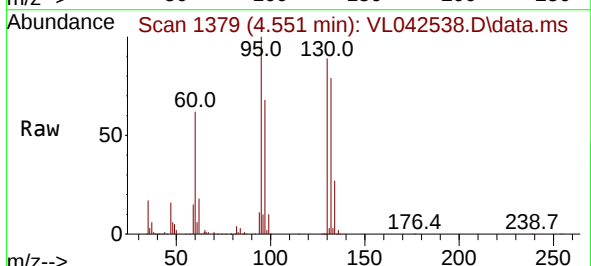
Ion Ratio Lower Upper

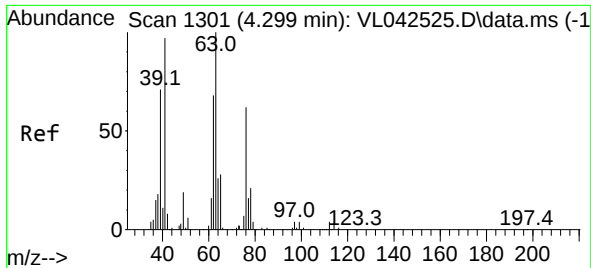
130 100

95 112.3 87.0 130.4

132 89.0 71.1 106.7

97 76.8 58.4 87.6





#39

1,2-Dichloropropane

Concen: 9.148 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.016 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 63 Resp: 10354

Ion Ratio Lower Upper

63 100

41 82.9 77.5 116.3

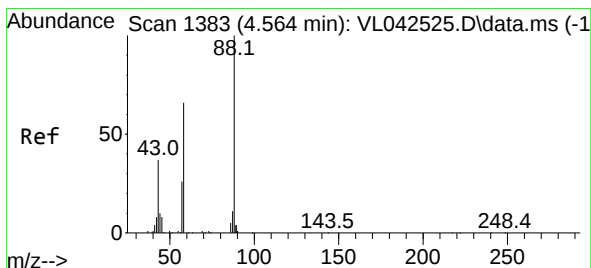
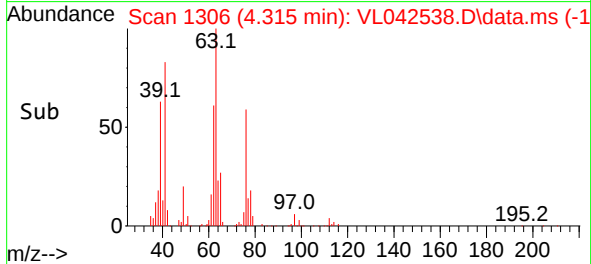
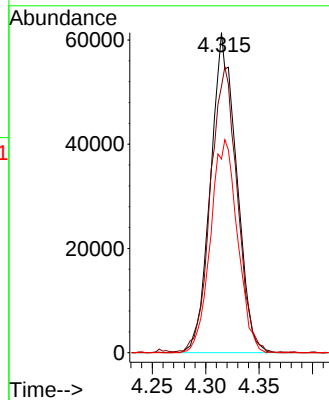
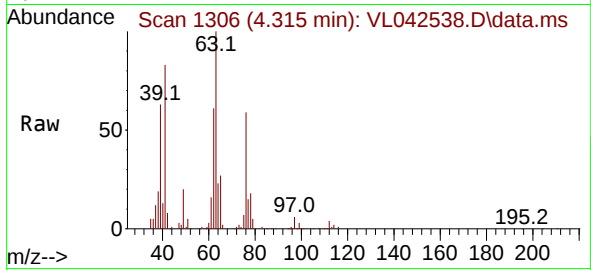
62 60.5 54.6 82.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#40

1,4-Dioxane

Concen: 10.292 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.019 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Tgt Ion: 88 Resp: 47286

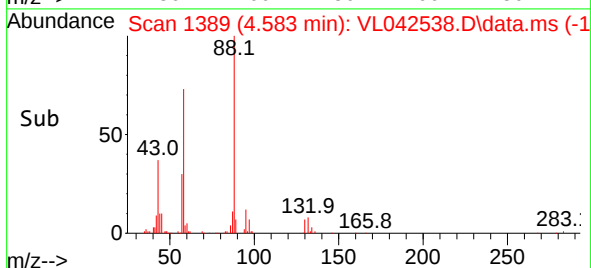
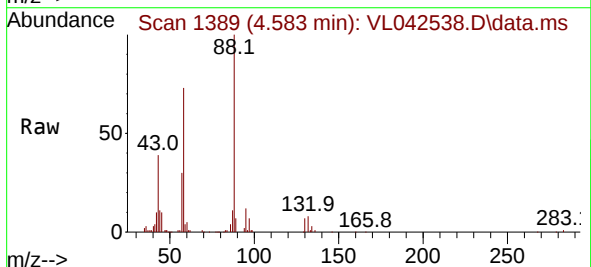
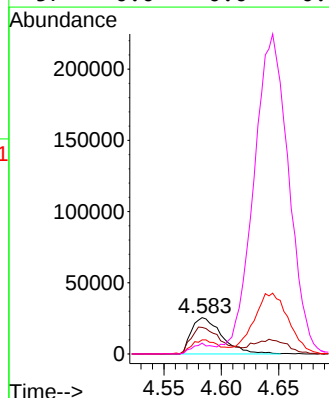
Ion Ratio Lower Upper

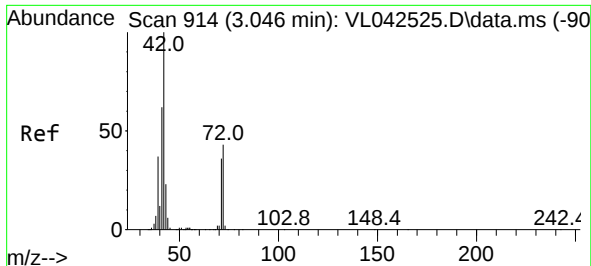
88 100

58 71.7 58.2 87.2

43 35.4 27.9 41.9

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.403 ppbv

RT: 3.056 min Scan# 914

Delta R.T. 0.010 min

Lab File: VL042538.D

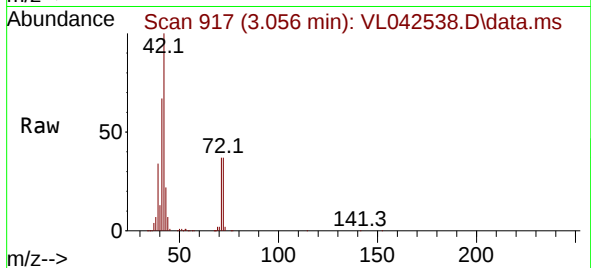
Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

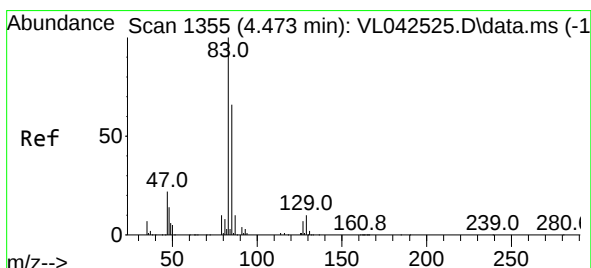
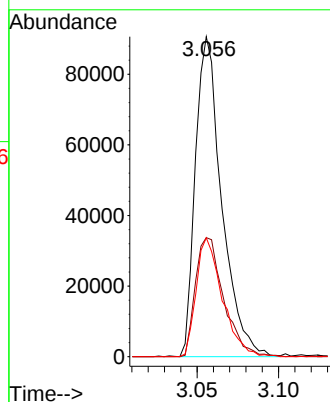
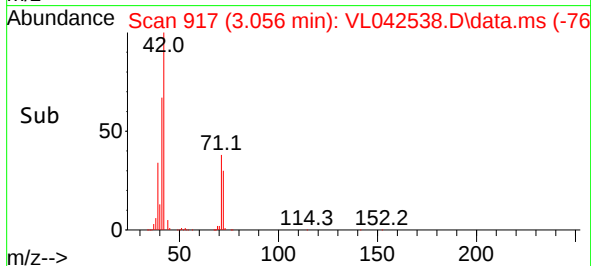


Tgt Ion:	42	Resp:	10176
Ion Ratio	100	Lower	Upper
42	100		
72	40.0	32.7	49.1
71	37.0	30.4	45.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#42

Bromodichloromethane

Concen: 9.111 ppbv

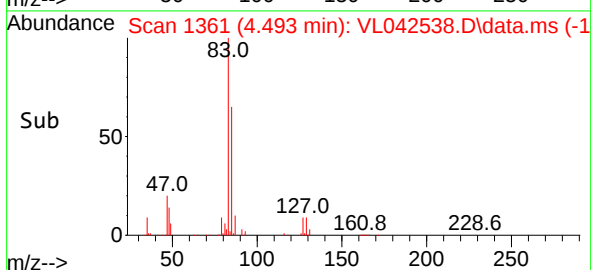
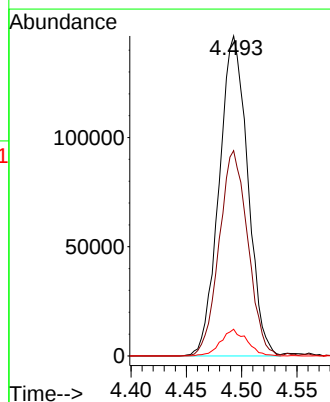
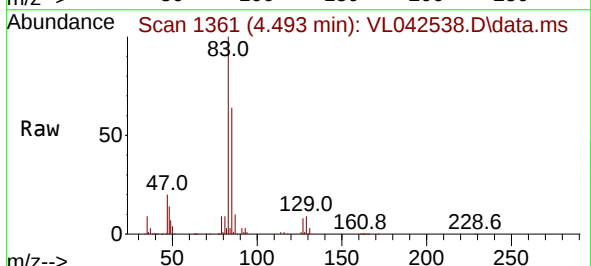
RT: 4.493 min Scan# 1361

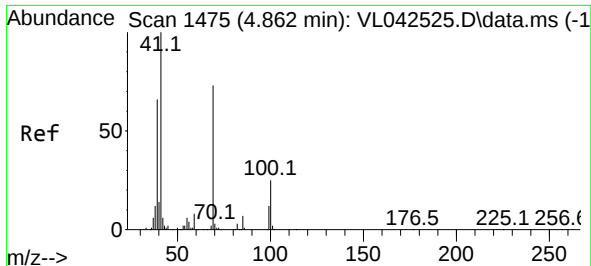
Delta R.T. 0.019 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

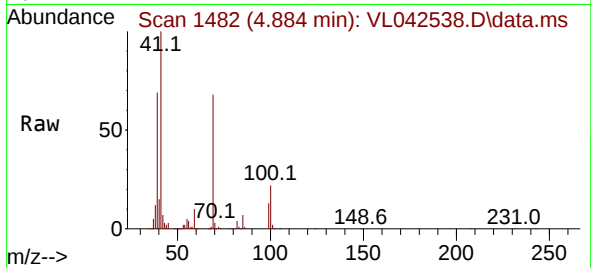
Tgt Ion:	83	Resp:	263548
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.6	79.0
127	8.4	6.0	9.0





#43
Methyl Methacrylate
Concen: 10.429 ppbv
RT: 4.884 min Scan# 1475
Delta R.T. 0.023 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

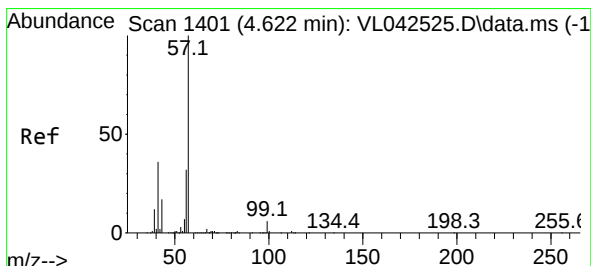
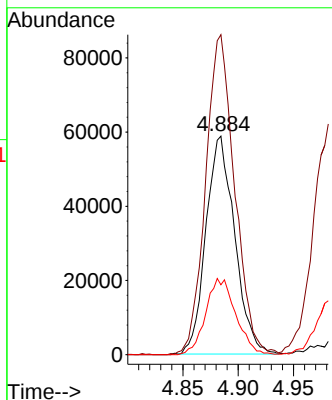
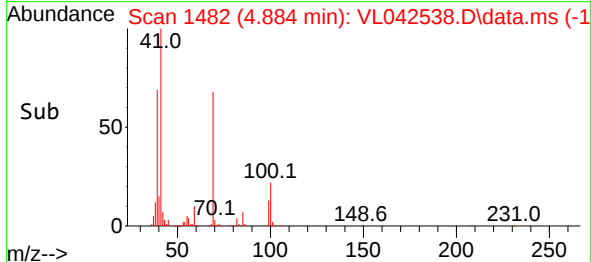
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



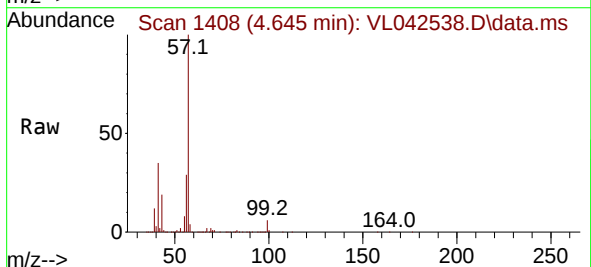
Tgt Ion: 69 Resp: 106120
Ion Ratio Lower Upper
69 100
41 148.3 119.9 179.9
100 36.5 28.4 42.6

Manual Integrations
APPROVED

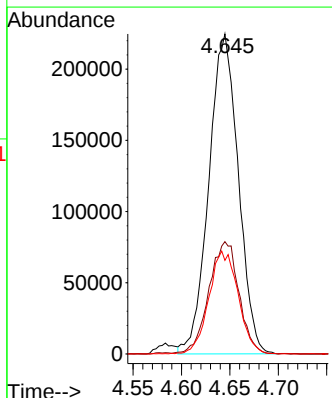
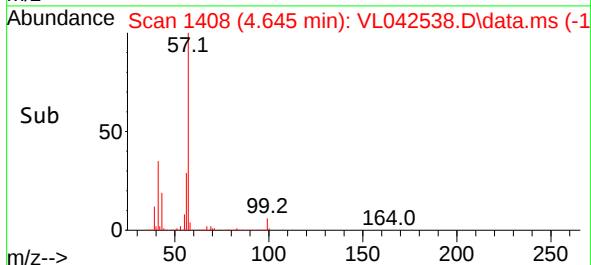
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

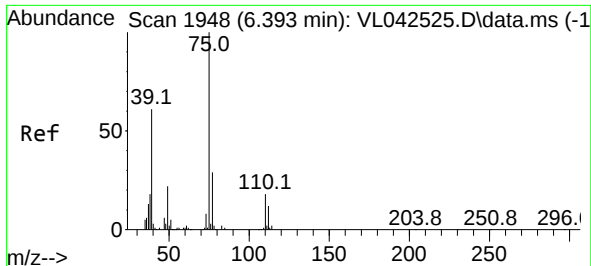


#44
2,2,4-Trimethylpentane
Concen: 9.887 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.023 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion: 57 Resp: 476041
Ion Ratio Lower Upper
57 100
41 36.0 28.3 42.5
56 32.1 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.223 ppbv

RT: 6.418 min Scan# 1948

Delta R.T. 0.026 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 75 Resp: 13291

Ion Ratio Lower Upper

75 100

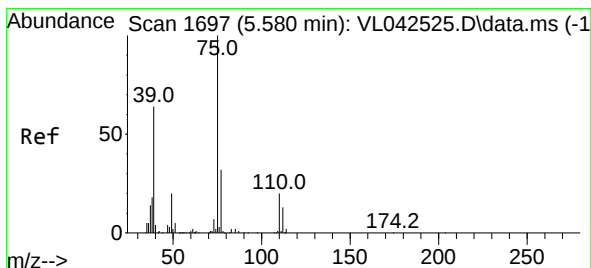
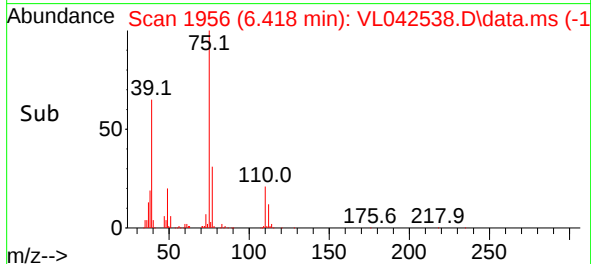
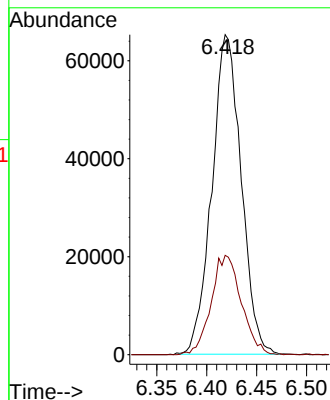
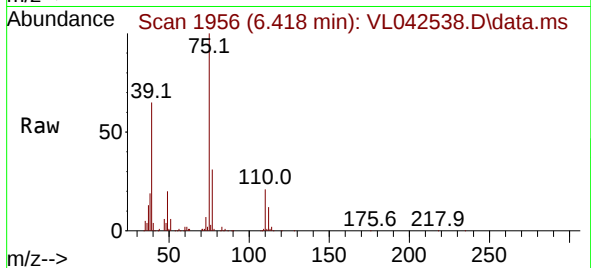
77 31.1 23.3 34.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#46

cis-1,3-Dichloropropene

Concen: 10.239 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.026 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

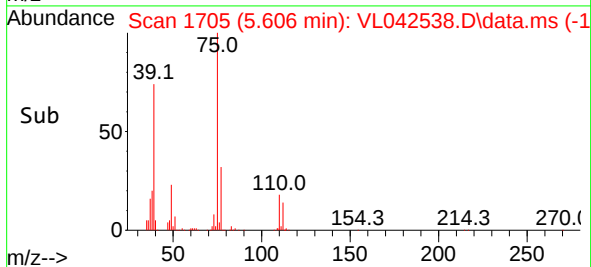
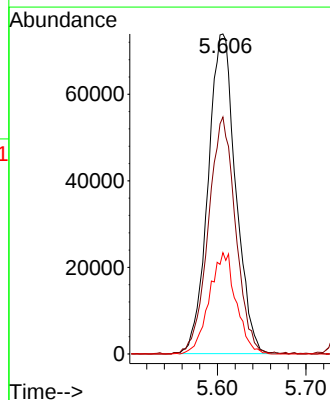
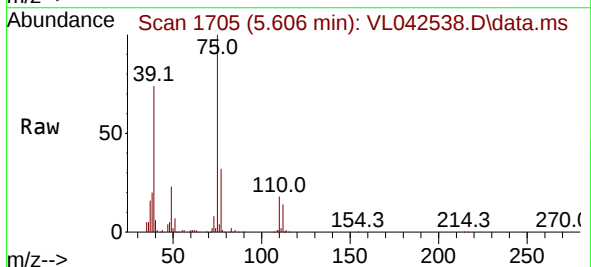
Tgt Ion: 75 Resp: 160141

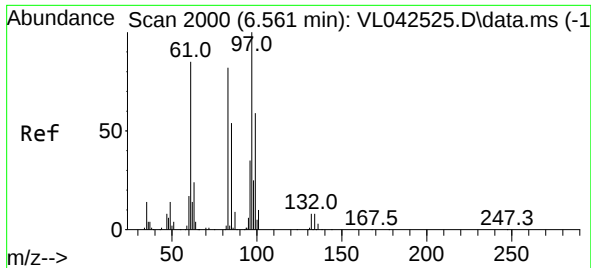
Ion Ratio Lower Upper

75 100

39 73.9 51.2 76.8

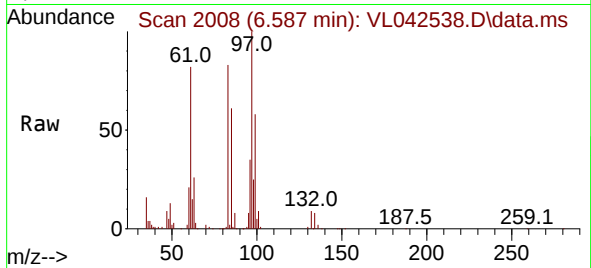
77 31.7 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 8.967 ppbv
RT: 6.587 min Scan# 2008
Delta R.T. 0.026 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

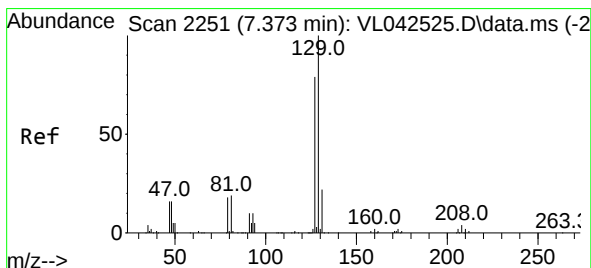
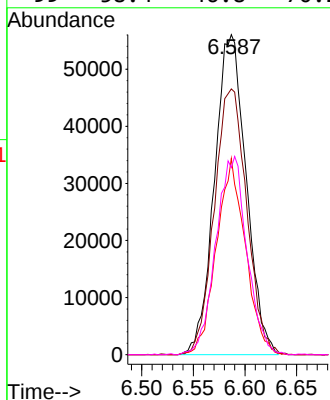
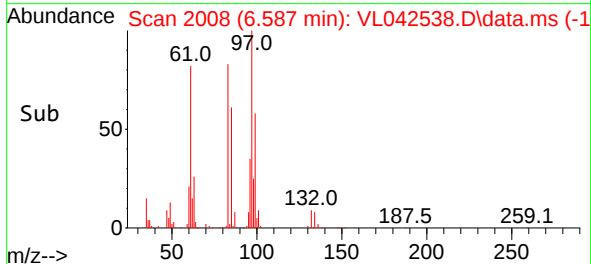
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



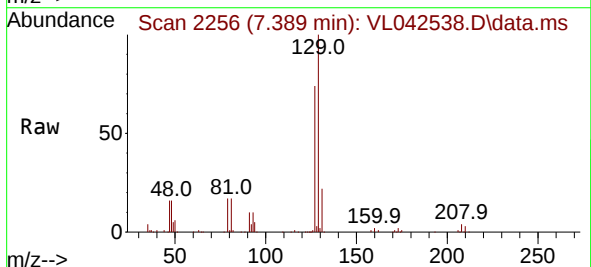
Tgt Ion: 97 Resp: 11951
Ion Ratio Lower Upper
97 100
83 83.1 66.0 99.0
85 61.3 42.8 64.2
99 58.4 46.8 70.2

Manual Integrations
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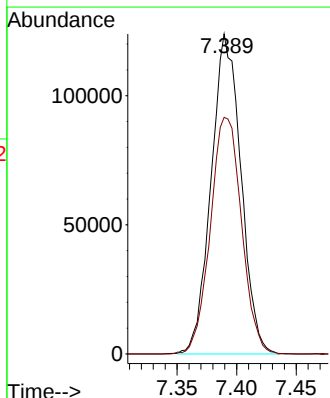
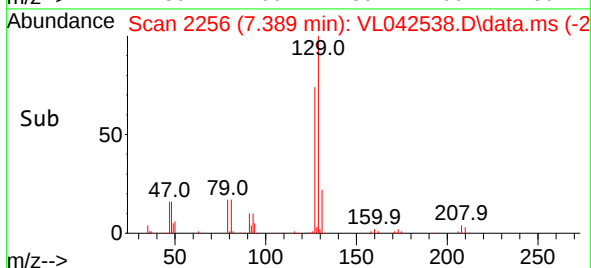
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

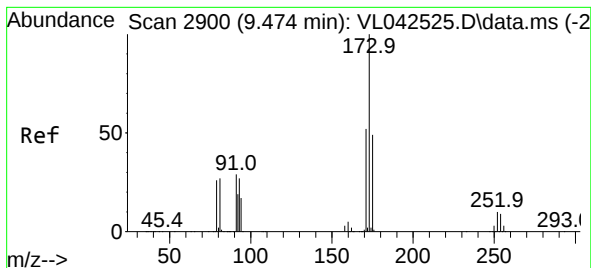


#48
Dibromochloromethane
Concen: 9.676 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.016 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion:129 Resp: 215320
Ion Ratio Lower Upper
129 100
127 77.3 39.6 118.8





#49

Bromoform

Concen: 9.740 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. 0.013 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

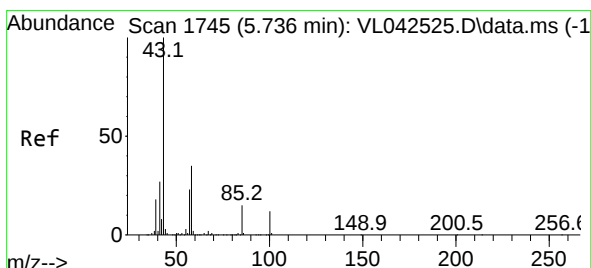
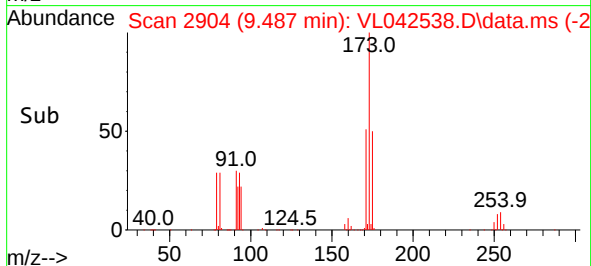
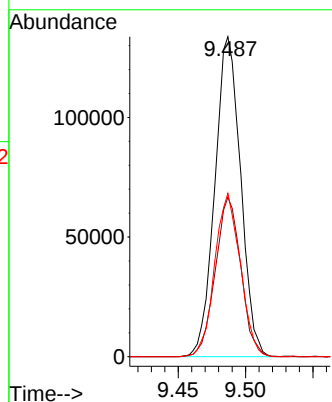
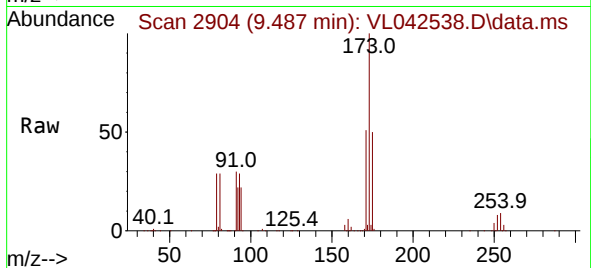
VL0514ABS01

Tgt Ion:173 Resp: 17787
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.1 58.7
 171 50.7 41.8 62.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025



#50

4-Methyl-2-Pentanone

Concen: 10.107 ppbv

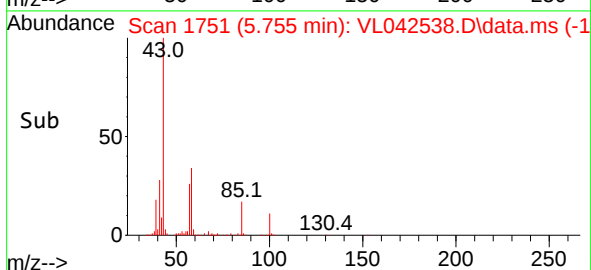
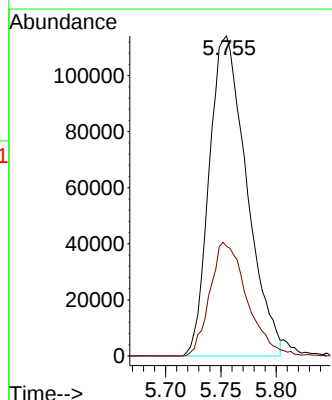
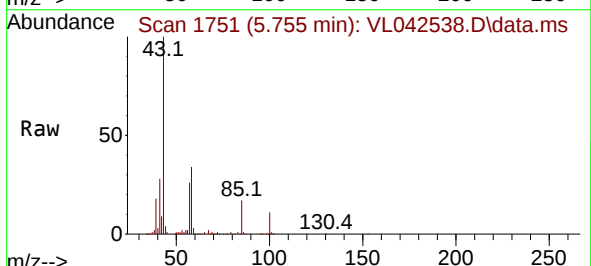
RT: 5.755 min Scan# 1751

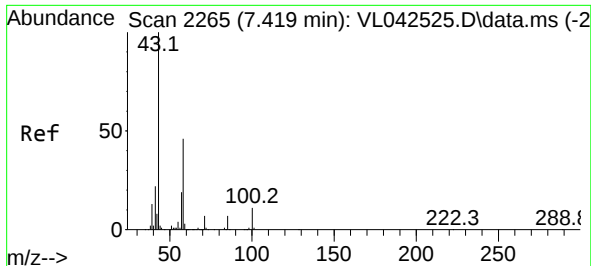
Delta R.T. 0.019 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

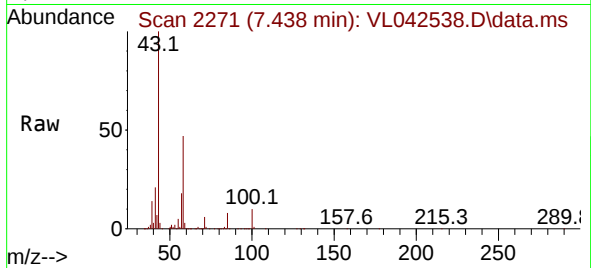
Tgt Ion: 43 Resp: 268277
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.6 42.8





#51
2-Hexanone
Concen: 11.195 ppbv
RT: 7.438 min Scan# 21104
Delta R.T. 0.019 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

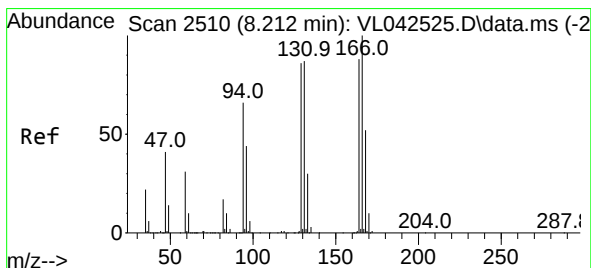
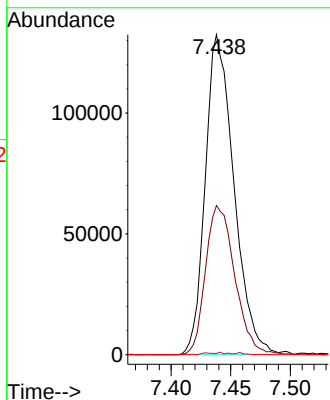
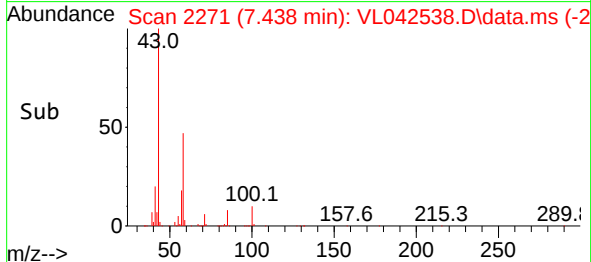
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



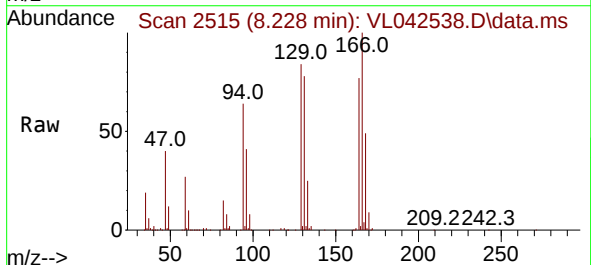
Tgt Ion: 43 Resp: 22104
Ion Ratio Lower Upper
43 100
58 47.7 37.5 56.3
98 0.7 0.9 1.3

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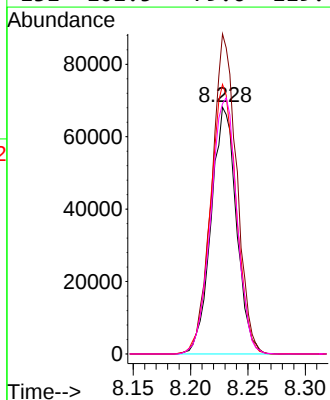
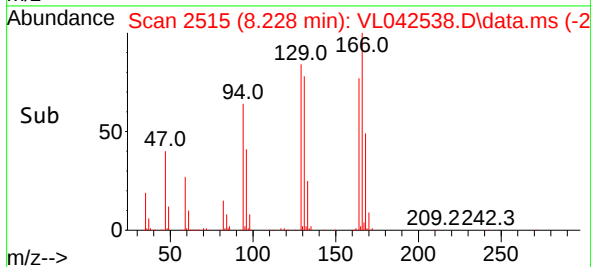
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

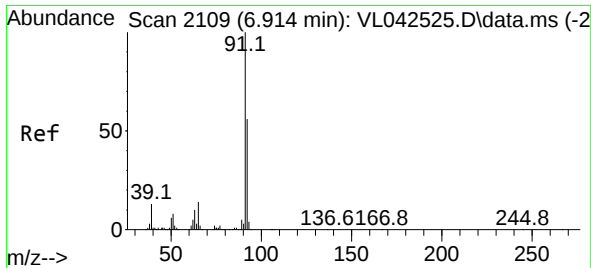


#52
Tetrachloroethene
Concen: 8.979 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.016 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion:164 Resp: 104385
Ion Ratio Lower Upper
164 100
166 129.7 91.3 136.9
129 109.3 78.9 118.3
131 101.5 79.6 119.4





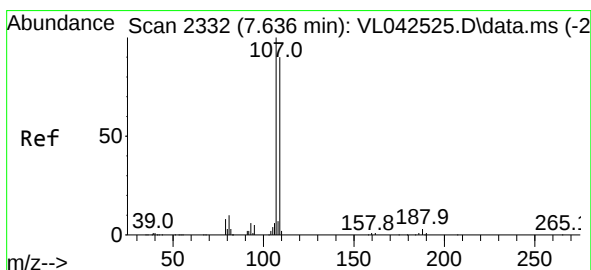
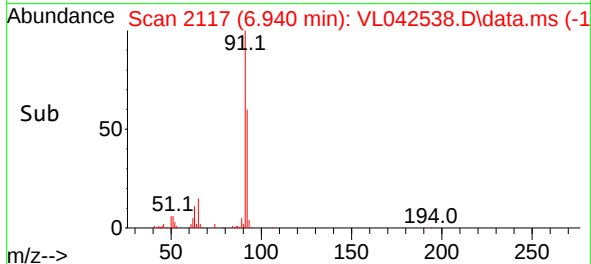
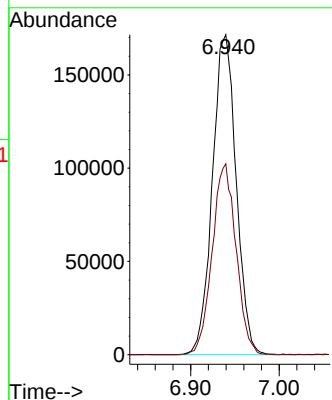
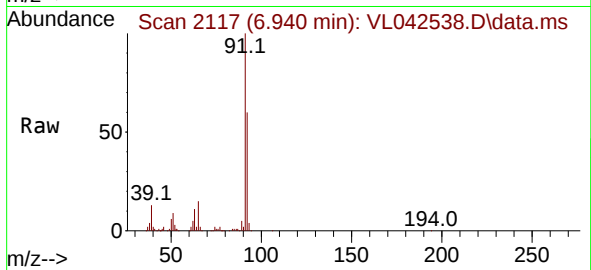
#53
Toluene
Concen: 10.735 ppbv
RT: 6.940 min Scan# 2109
Delta R.T. 0.026 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 91 Resp: 320104
Ion Ratio Lower Upper
91 100
92 59.9 47.8 71.6

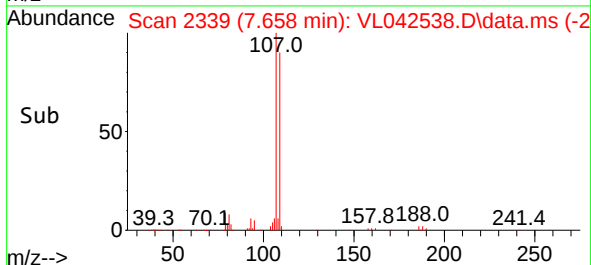
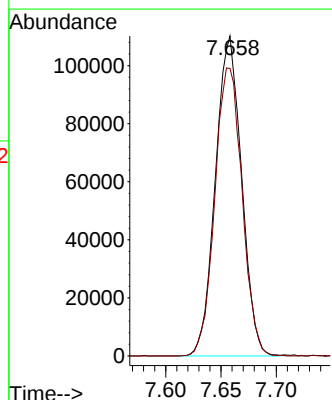
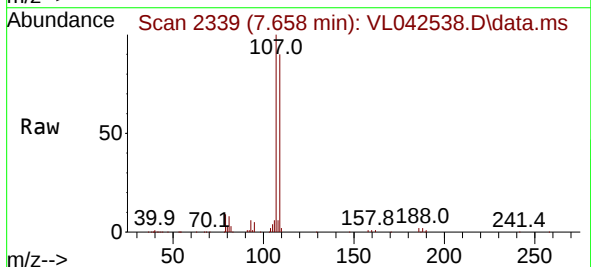
Manual Integrations
APPROVED

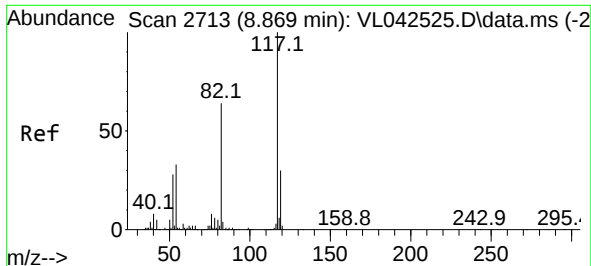
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#54
1,2-Dibromoethane
Concen: 9.315 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.022 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

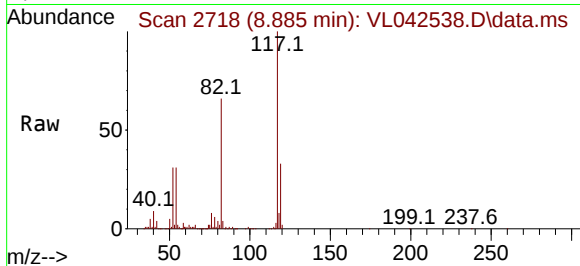
Tgt Ion:107 Resp: 181316
Ion Ratio Lower Upper
107 100
109 89.9 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.016 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

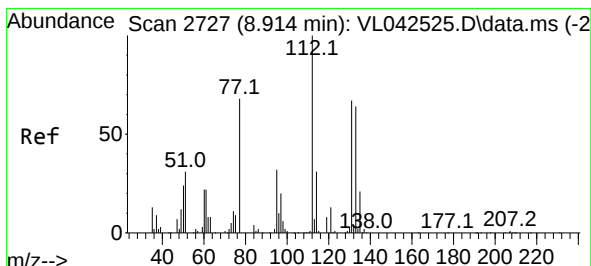
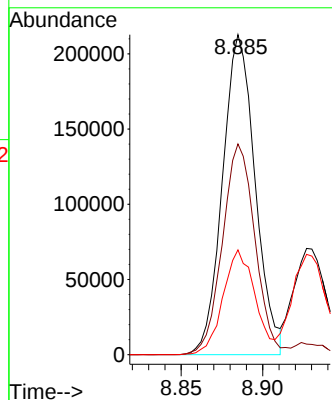
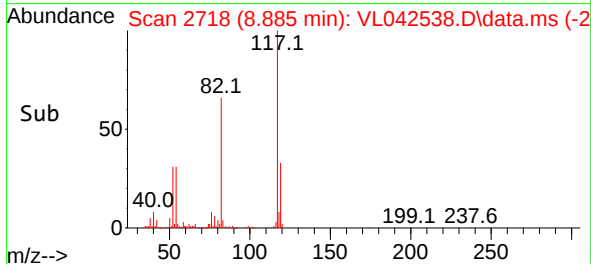
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



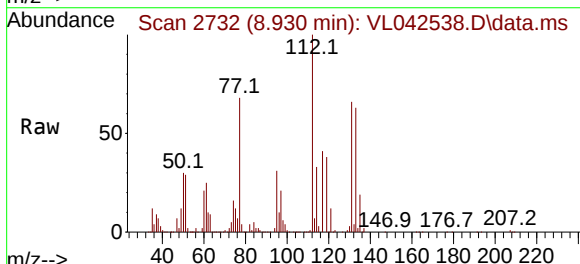
Tgt Ion:117 Resp: 296340
Ion Ratio Lower Upper
117 100
82 69.2 55.0 82.4
119 32.3 25.8 38.6

Manual Integrations
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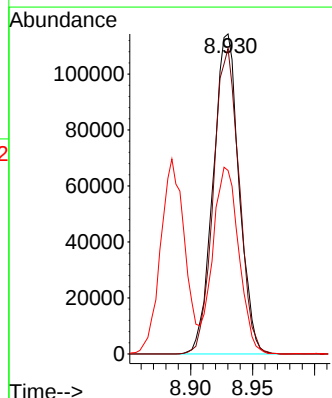
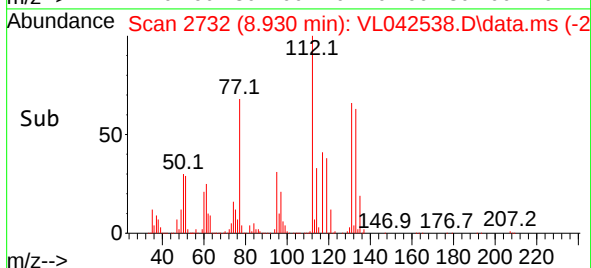
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

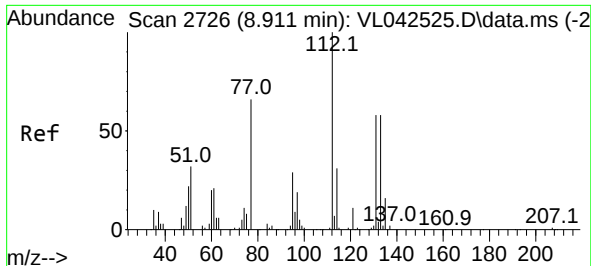


#56
1,1,1,2-Tetrachloroethane
Concen: 9.064 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.016 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion:131 Resp: 166531
Ion Ratio Lower Upper
131 100
133 94.4 77.4 116.2
119 59.5 49.0 73.4





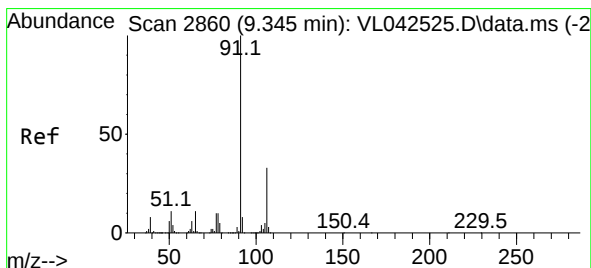
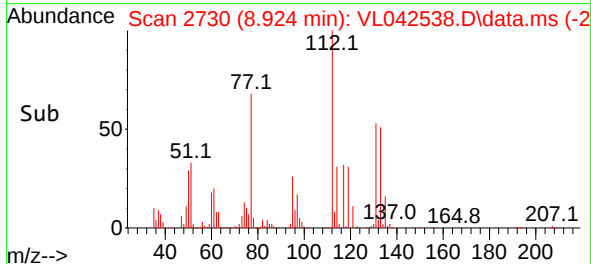
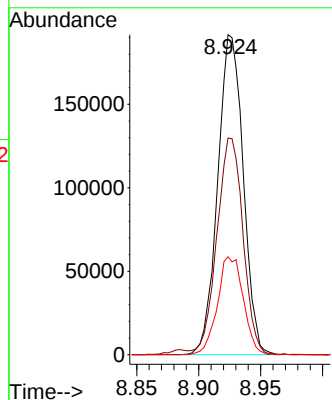
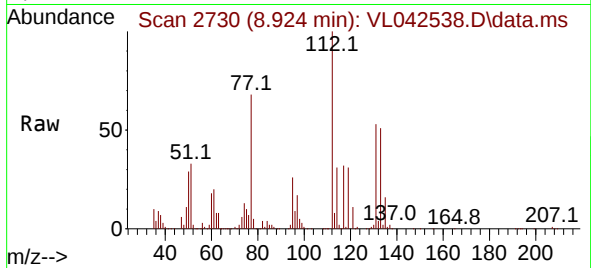
#57
Chlorobenzene
Concen: 9.248 ppbv
RT: 8.924 min Scan# 2726
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 112 Resp: 275170
Ion Ratio Lower Upper
112 100
77 67.6 53.6 80.4
114 30.6 28.2 34.4

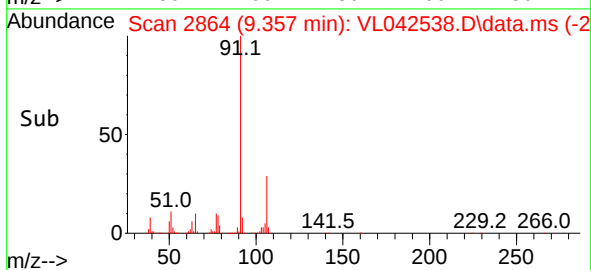
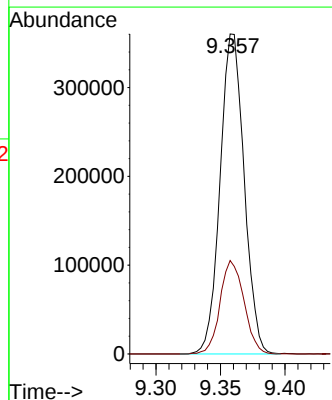
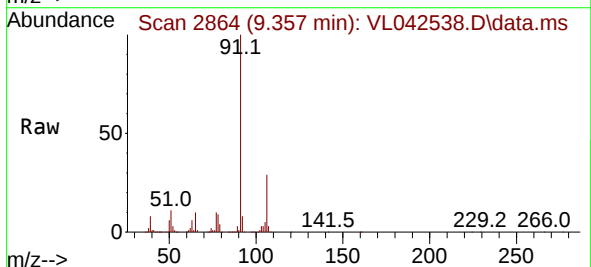
Manual Integrations
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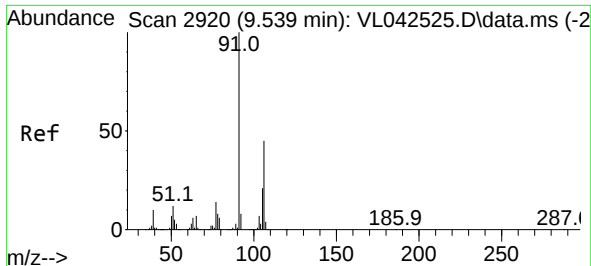
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#58
Ethyl Benzene
Concen: 11.554 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion: 91 Resp: 466684
Ion Ratio Lower Upper
91 100
106 29.2 26.0 39.0





#59

m/p-Xylene

Concen: 22.159 ppbv m

RT: 9.555 min Scan# 2920

Delta R.T. 0.016 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion: 91 Resp: 79487

Ion Ratio Lower Upper

91 100

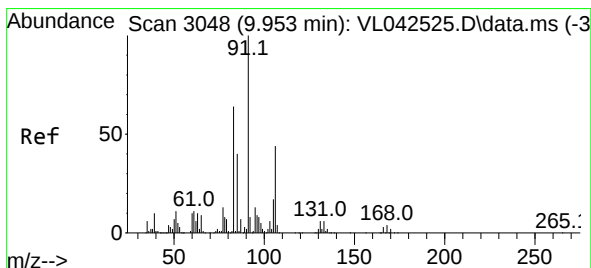
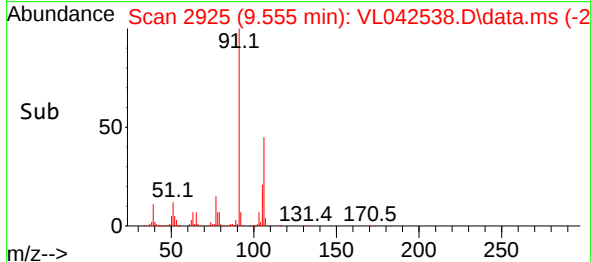
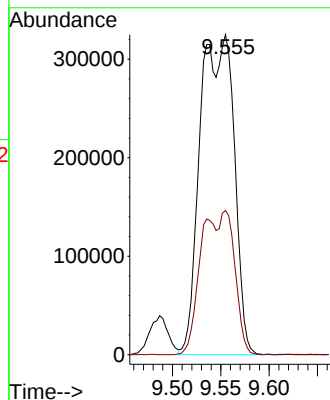
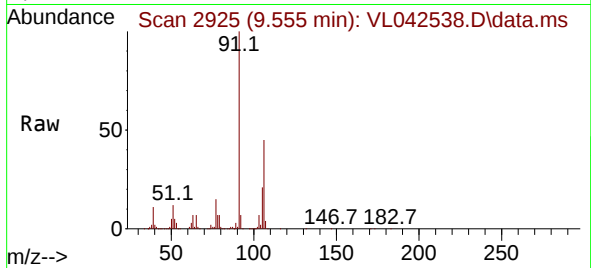
106 44.5 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#60

o-Xylene

Concen: 11.290 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.016 min

Lab File: VL042538.D

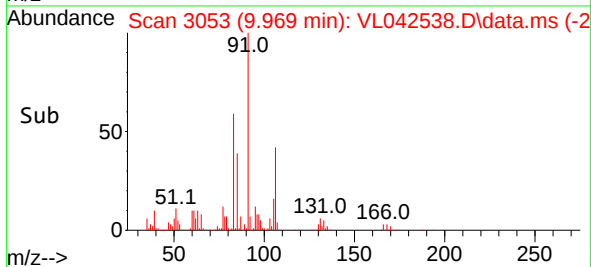
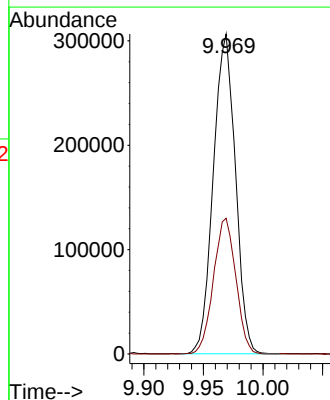
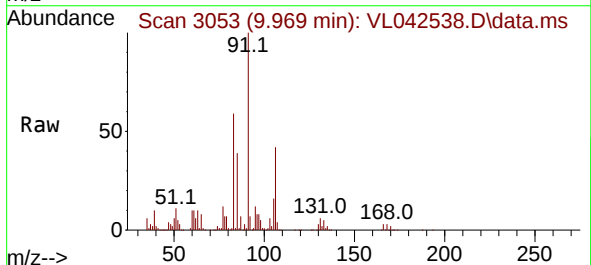
Acq: 14 May 2025 11:53

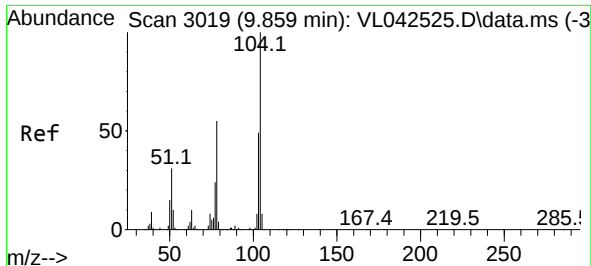
Tgt Ion: 91 Resp: 395533

Ion Ratio Lower Upper

91 100

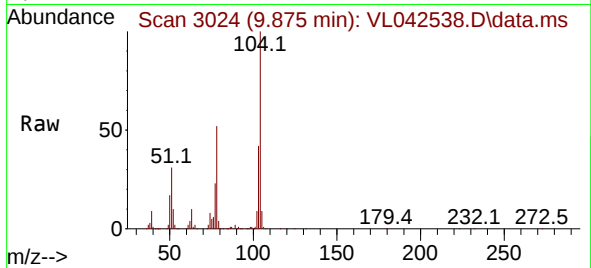
106 42.9 21.6 64.6





#61
Styrene
Concen: 11.763 ppbv
RT: 9.875 min Scan# 3019
Delta R.T. 0.016 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

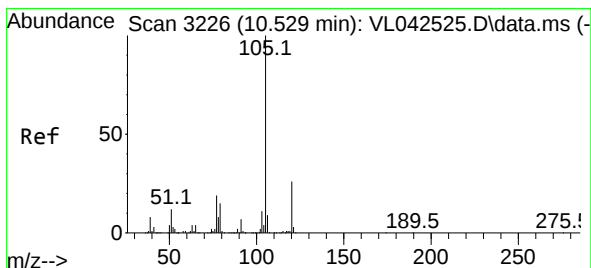
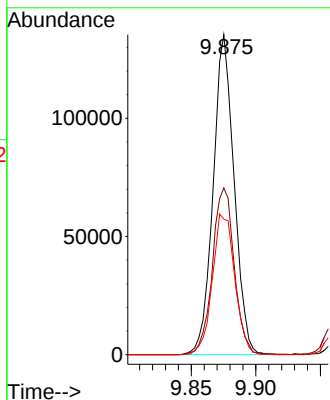
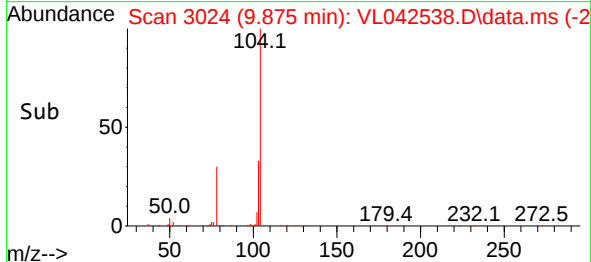
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



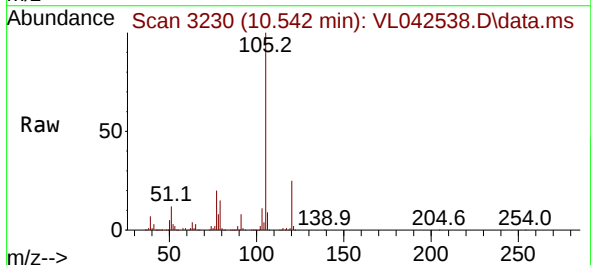
Tgt Ion:104 Resp: 152629
Ion Ratio Lower Upper
104 100
78 54.4 44.7 67.1
103 47.1 38.6 58.0

Manual Integrations
APPROVED

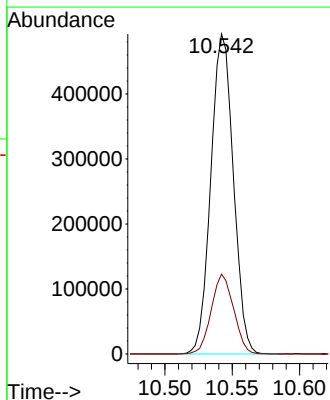
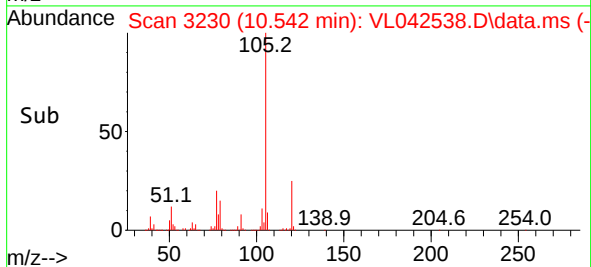
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

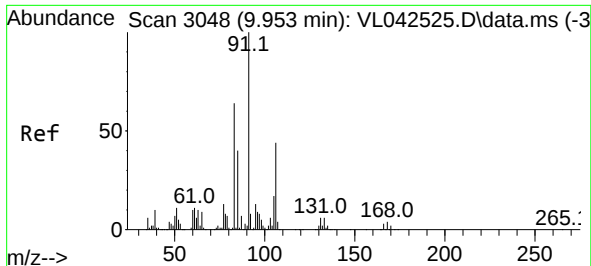


#62
Isopropylbenzene
Concen: 10.847 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



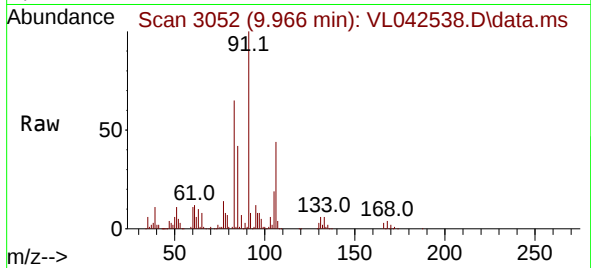
Tgt Ion:105 Resp: 572300
Ion Ratio Lower Upper
105 100
120 24.7 20.1 30.1





#63
1,1,2,2-Tetrachloroethane
Concen: 8.734 ppbv
RT: 9.966 min Scan# 3048
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

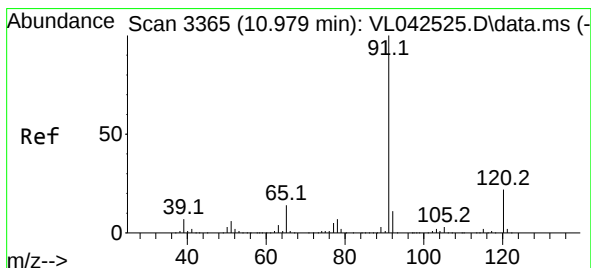
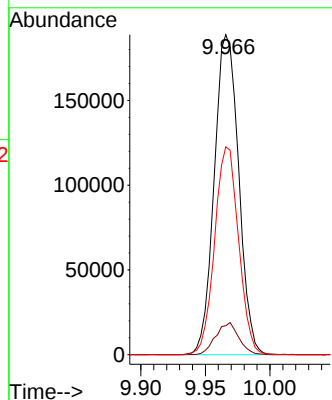
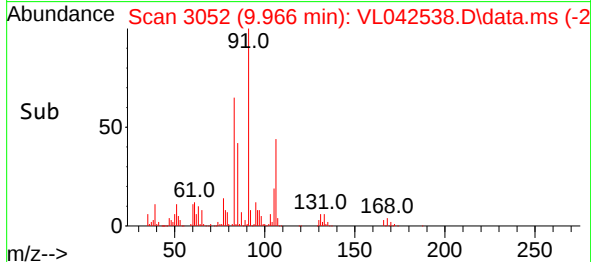
Instrument : MSVOA_L
ClientSampleId : VL0514ABS01



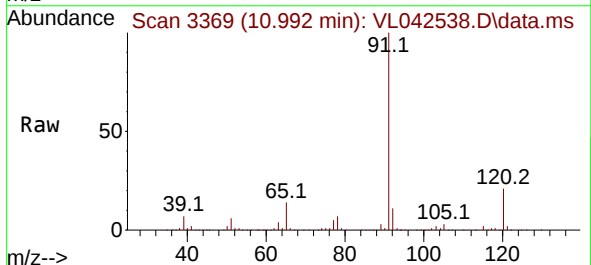
Tgt Ion: 83 Resp: 248344
Ion Ratio Lower Upper
83 100
131 9.5 4.9 14.7
85 63.6 32.3 96.8

Manual Integrations
APPROVED

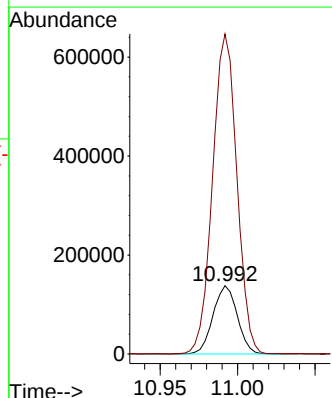
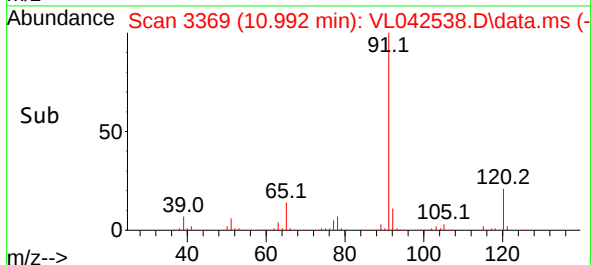
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

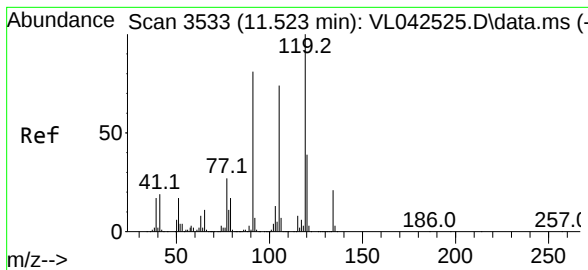


#64
n-propylbenzene
Concen: 11.156 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion:120 Resp: 149437
Ion Ratio Lower Upper
120 100
91 472.6 377.7 566.5





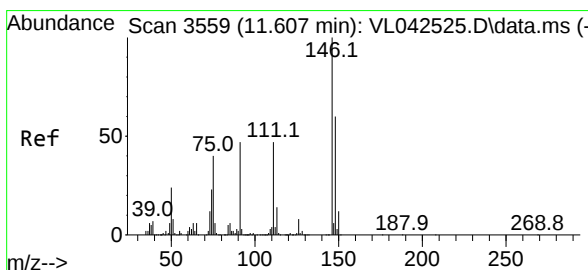
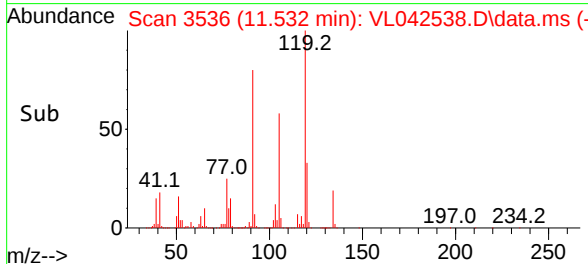
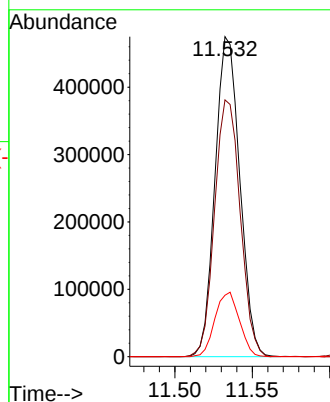
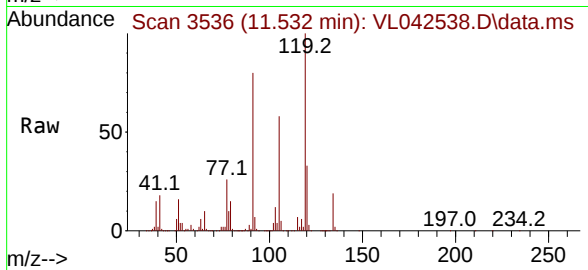
#65
tert-Butylbenzene
Concen: 10.878 ppbv
RT: 11.532 min Scan# 3533
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:119 Resp: 52703
Ion Ratio Lower Upper
119 100
91 83.1 66.6 99.8
134 19.9 16.3 24.5

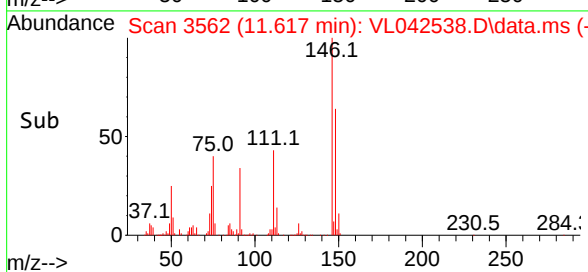
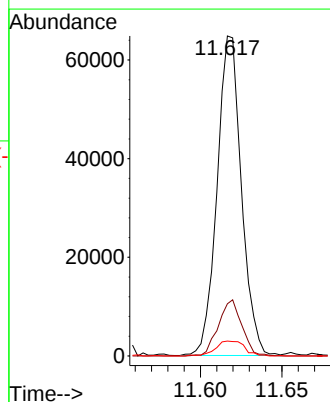
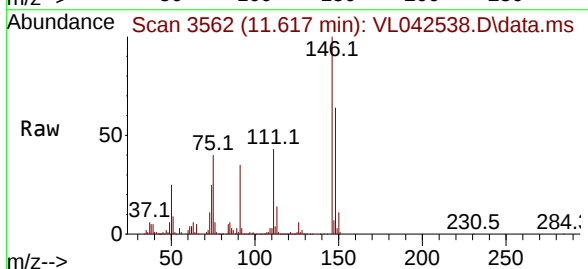
Manual Integrations
APPROVED

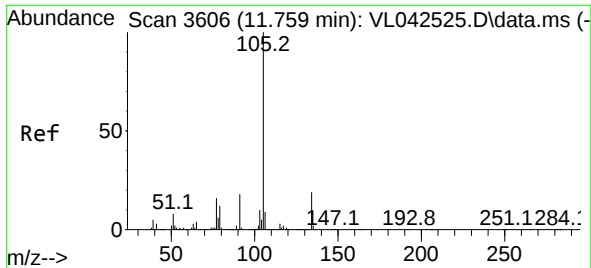
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#66
Benzyl Chloride
Concen: 10.445 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

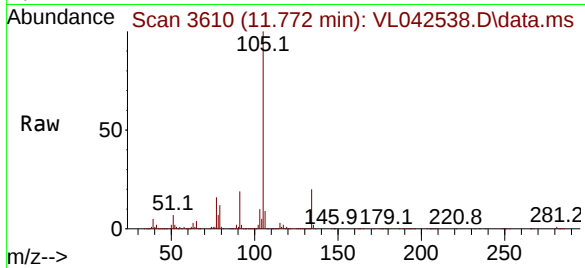
Tgt Ion: 91 Resp: 67242
Ion Ratio Lower Upper
91 100
126 16.9 13.7 20.5
128 5.6 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 10.561 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.013 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

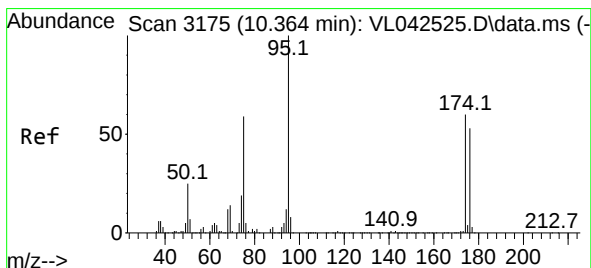
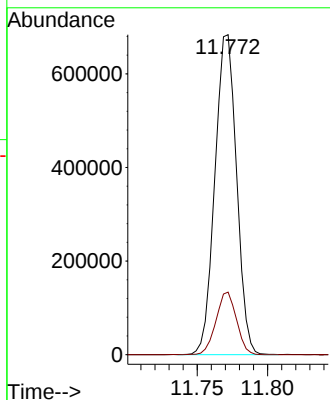
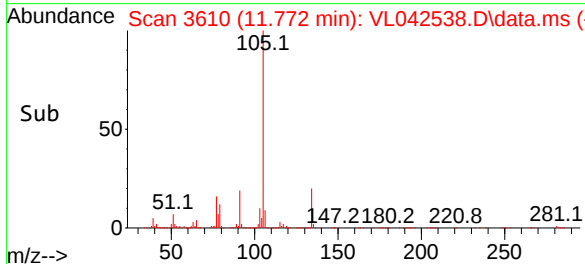
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01



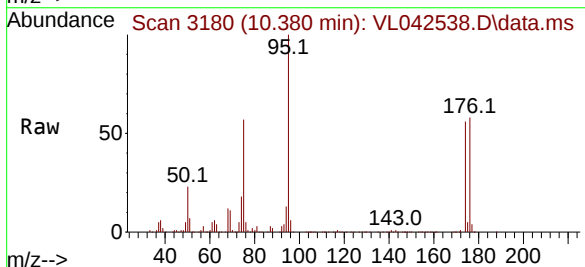
Tgt Ion:105 Resp: 733600
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.9 22.3

Manual Integrations
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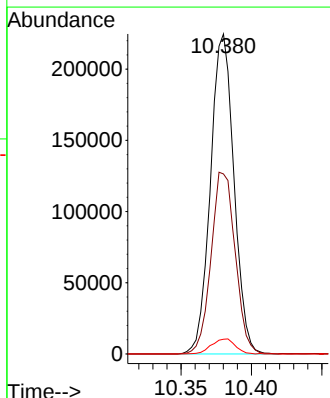
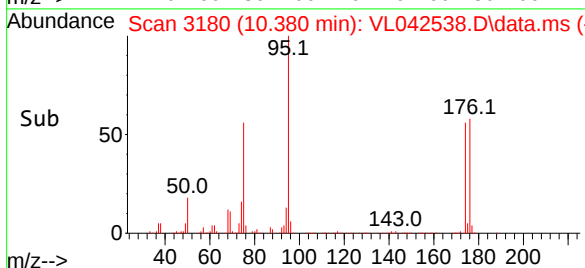
Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

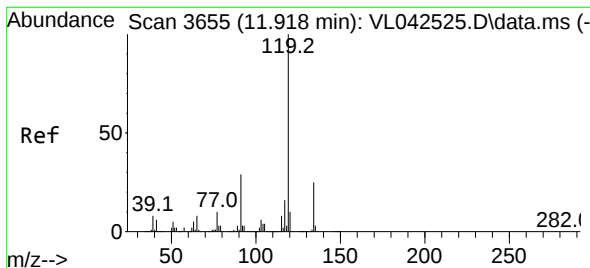


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.111 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.016 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53



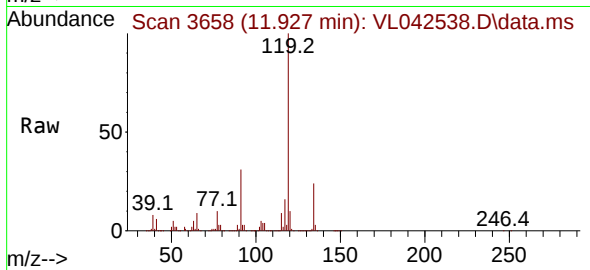
Tgt Ion: 95 Resp: 260716
 Ion Ratio Lower Upper
 95 100
 174 58.6 48.0 72.0
 175 4.8 3.5 5.3





#69
p-Isopropyltoluene
Concen: 11.129 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

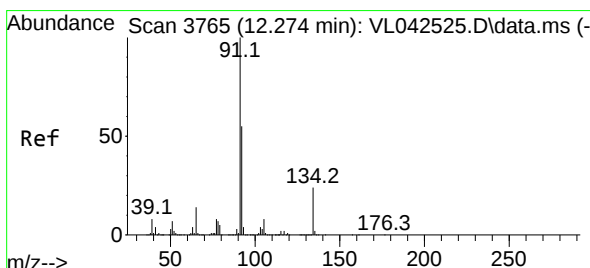
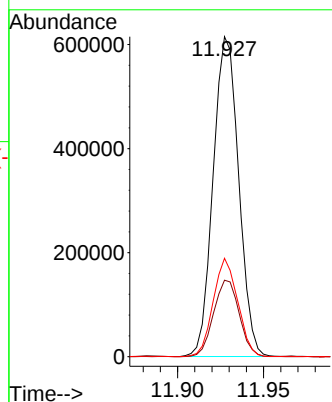
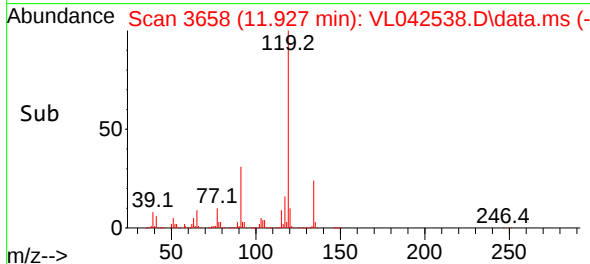
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



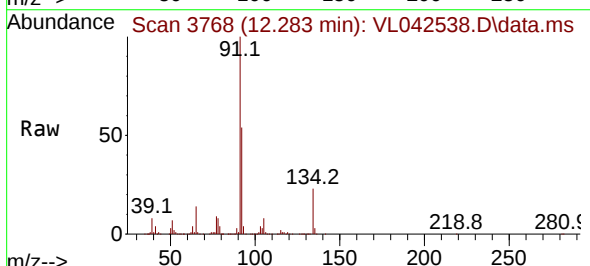
Tgt Ion:119 Resp: 63556
Ion Ratio Lower Upper
119 100
134 24.1 19.8 29.6
91 29.6 23.6 35.4

Manual Integrations
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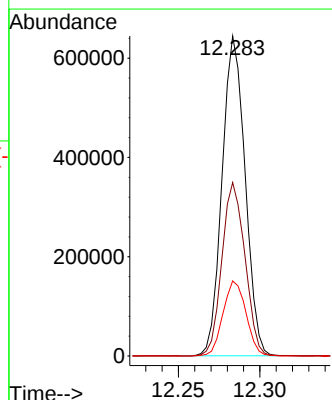
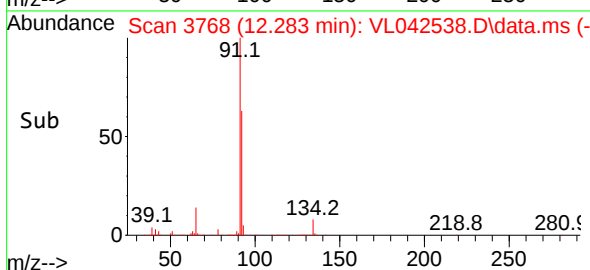
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

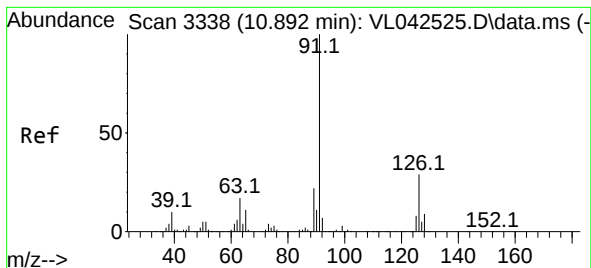


#70
n-Butylbenzene
Concen: 11.210 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



Tgt Ion: 91 Resp: 632577
Ion Ratio Lower Upper
91 100
92 54.3 43.7 65.5
134 23.4 18.9 28.3





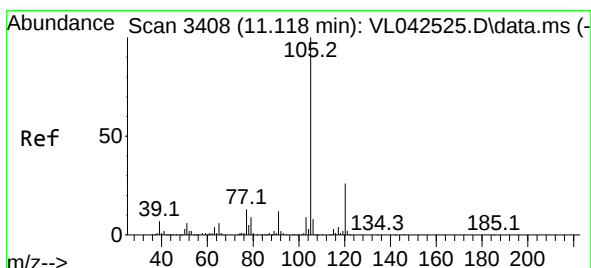
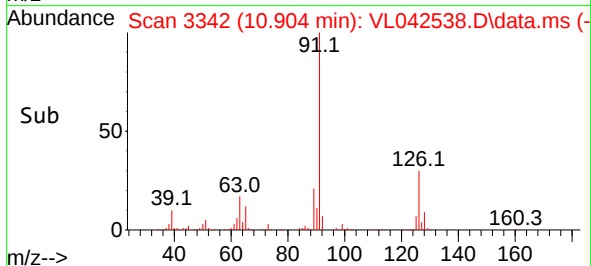
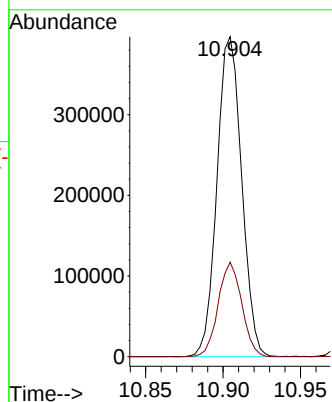
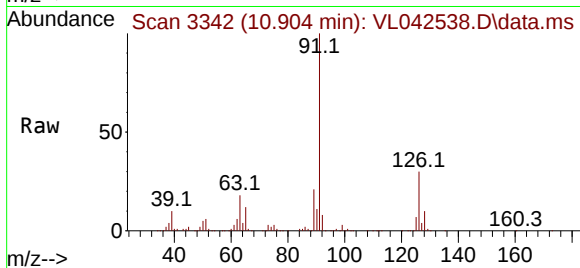
#71
2-Chlorotoluene
Concen: 11.010 ppbv
RT: 10.904 min Scan# 3411
Delta R.T. 0.013 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 91 Resp: 439880
Ion Ratio Lower Upper
91 100
126 28.2 11.4 45.6

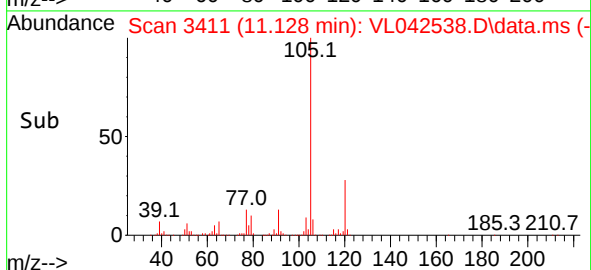
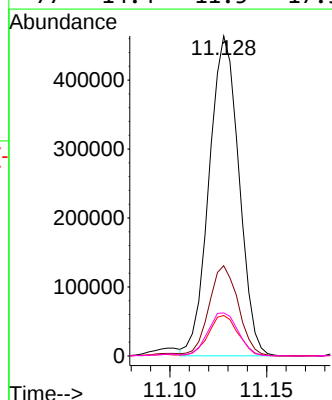
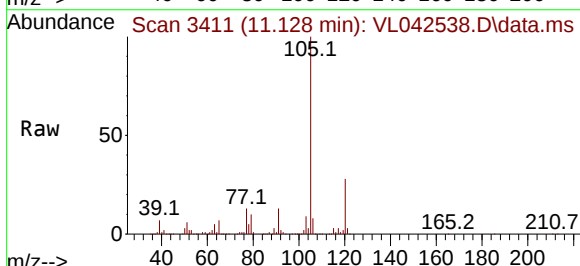
Manual Integrations
APPROVED

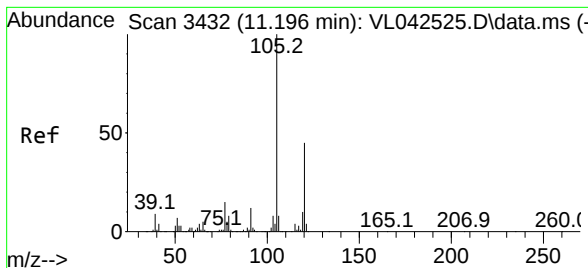
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#72
4-Ethyltoluene
Concen: 11.428 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

Tgt Ion:105 Resp: 496655
Ion Ratio Lower Upper
105 100
120 28.5 22.9 34.3
91 13.2 10.9 16.3
77 14.4 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.984 ppbv

RT: 11.205 min Scan# 3432

Delta R.T. 0.010 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion:105 Resp: 41578

Ion Ratio Lower Upper

105 100

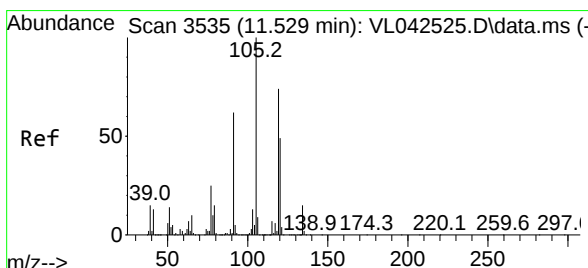
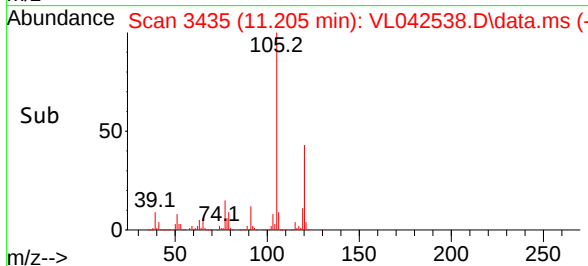
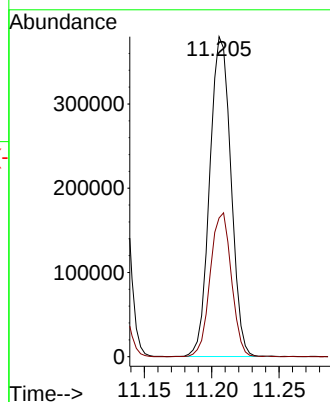
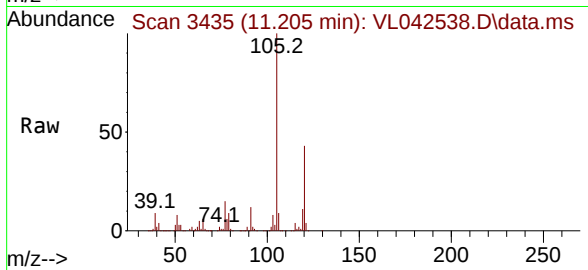
120 43.4 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.114 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.010 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Tgt Ion:105 Resp: 471038

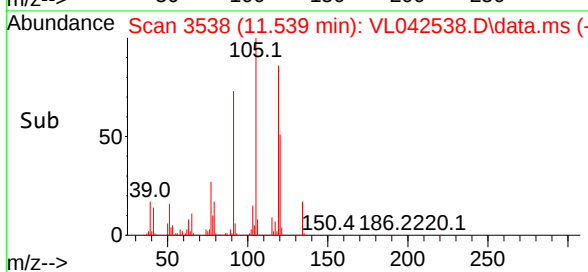
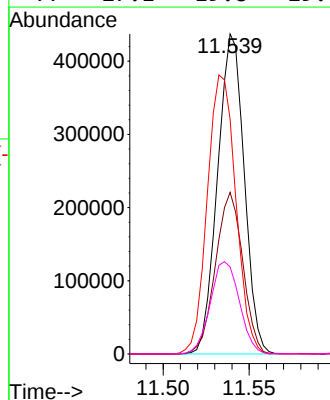
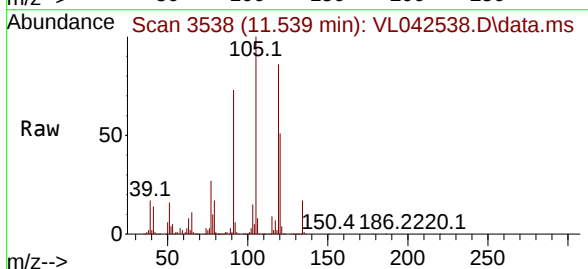
Ion Ratio Lower Upper

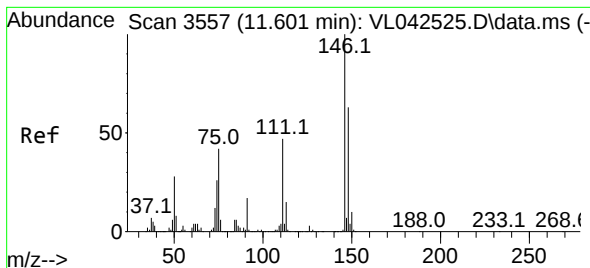
105 100

120 50.5 39.0 58.6

91 73.3 49.4 74.2

77 27.1 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 9.675 ppbv

RT: 11.610 min Scan# 3557

Delta R.T. 0.010 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tgt Ion:146 Resp: 28220

Ion Ratio Lower Upper

146 100

111 47.4 23.6 71.0

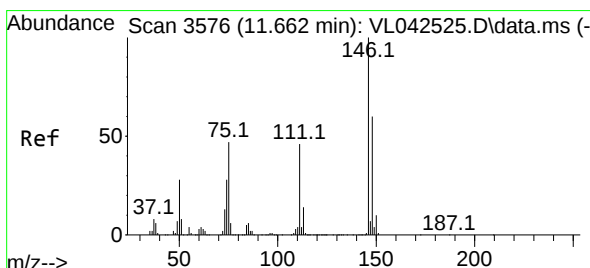
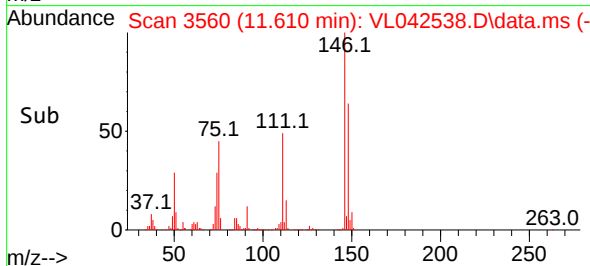
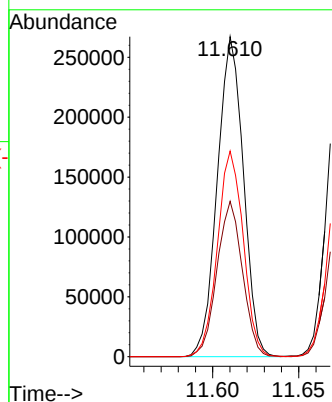
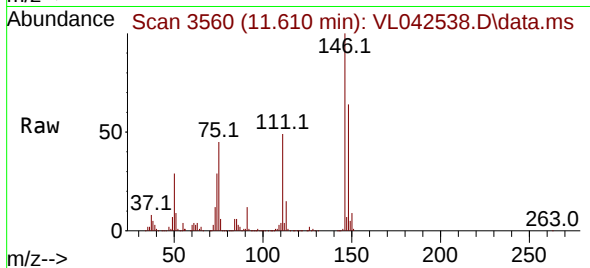
148 63.5 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#76

1,4-Dichlorobenzene

Concen: 9.900 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.013 min

Lab File: VL042538.D

Acq: 14 May 2025 11:53

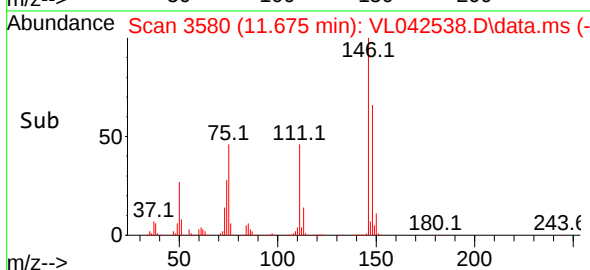
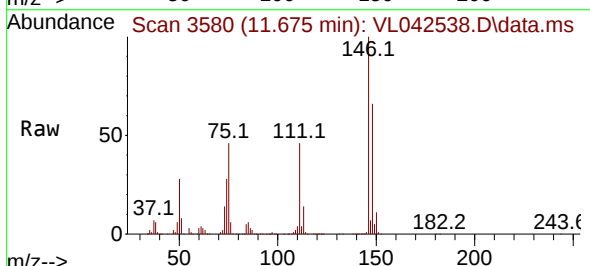
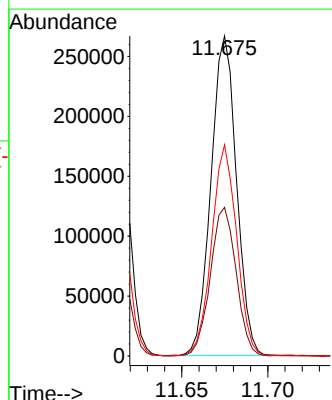
Tgt Ion:146 Resp: 274722

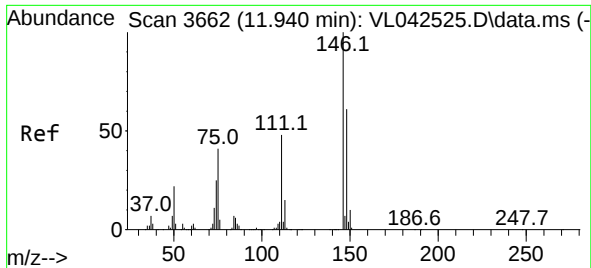
Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

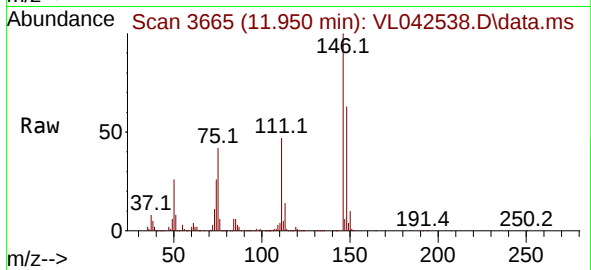
148 65.0 31.6 94.7





#77
1,2-Dichlorobenzene
Concen: 8.948 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.010 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

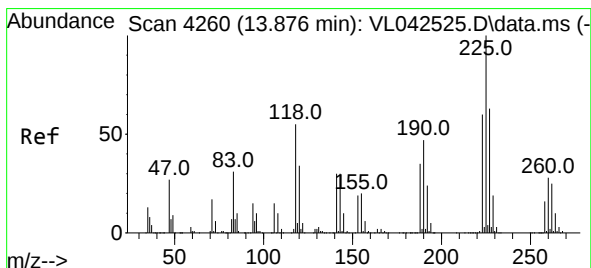
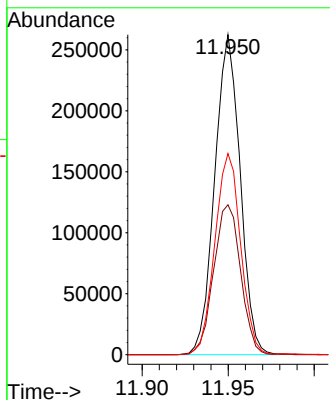
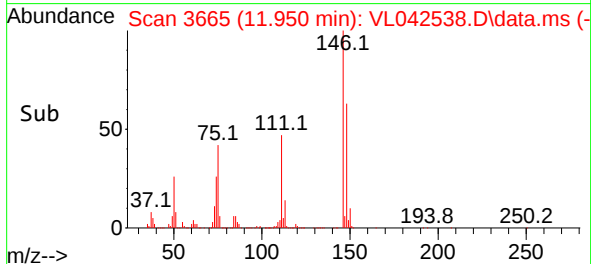
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



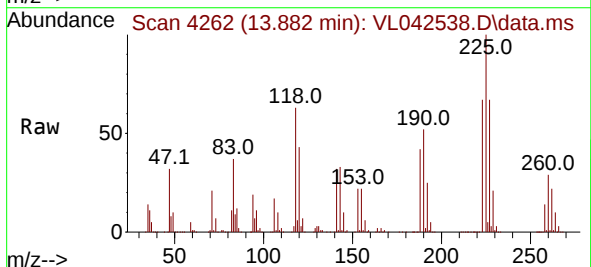
Tgt Ion:146 Resp: 26958
Ion Ratio Lower Upper
146 100
111 49.8 24.9 74.8
148 63.9 31.4 94.2

Manual Integrations
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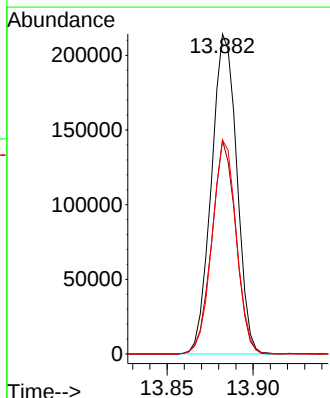
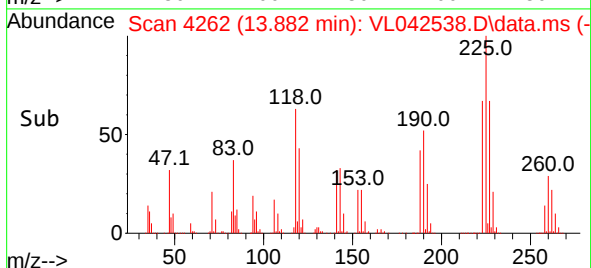
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

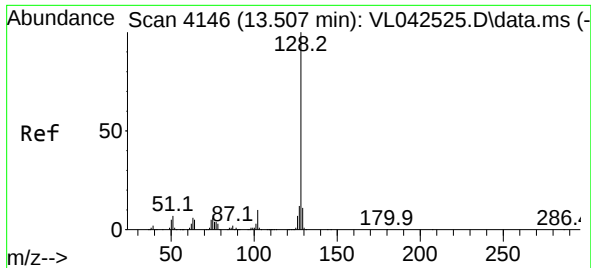


#78
Hexachloro-1,3-Butadiene
Concen: 8.506 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



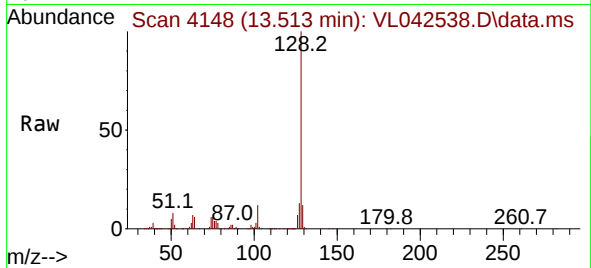
Tgt Ion:225 Resp: 219747
Ion Ratio Lower Upper
225 100
223 63.3 50.8 76.2
227 64.2 50.5 75.7





#79
Naphthalene
Concen: 13.557 ppbv
RT: 13.513 min Scan# 4146
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53

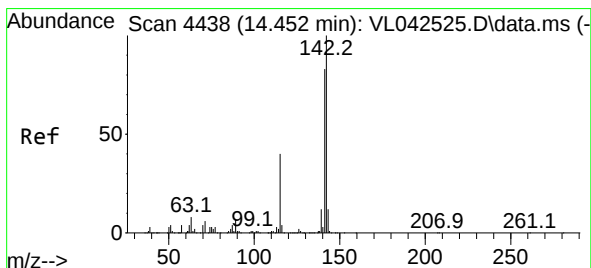
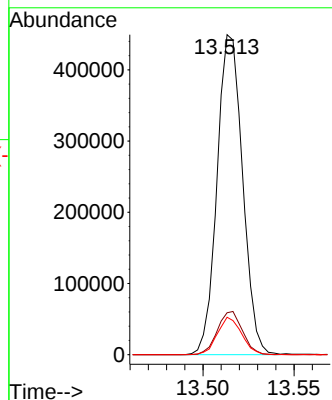
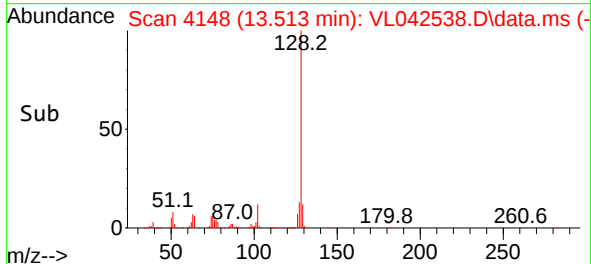
Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01



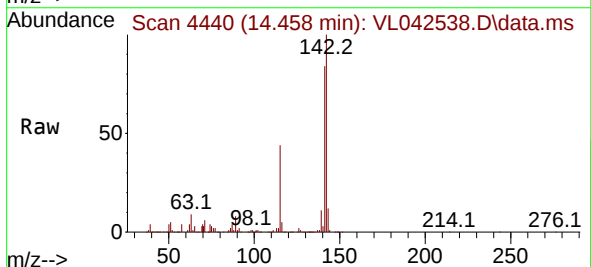
Tgt Ion:128 Resp: 43755
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.8
129 11.7 8.6 12.8

Manual Integrations
APPROVED

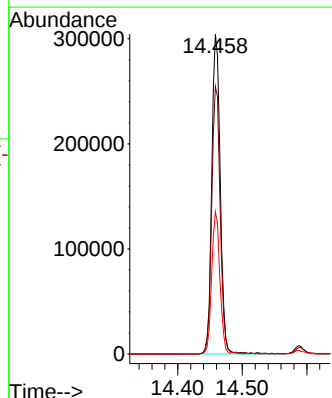
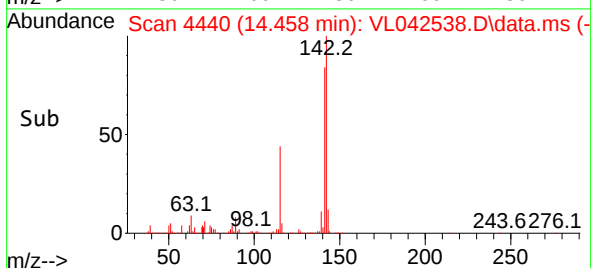
Reviewed By :Semsettin Yesilyurt 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

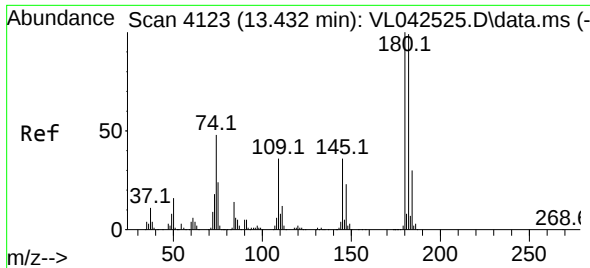


#80
Naphthalene,2-methyl-
Concen: 14.972 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.006 min
Lab File: VL042538.D
Acq: 14 May 2025 11:53



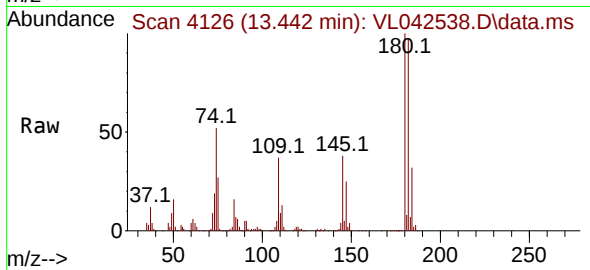
Tgt Ion:142 Resp: 278888
Ion Ratio Lower Upper
142 100
141 83.9 66.8 100.2
115 43.6 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 11.164 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042538.D
 Acq: 14 May 2025 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01



Tgt Ion:180 Resp: 21915
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.6 114.8
 184 31.5 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

