

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042552.D
 Acq On : 20 May 2025 13:28
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:29:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	119762	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398318	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	350622	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 293707 10.467 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	309546	13.821	ppbv	100
3) Chlorodifluoromethane	1.476	51	256269	13.891	ppbv	99
4) Chloromethane	1.534	50	99758	13.826	ppbv	97
5) Vinyl Chloride	1.583	62	107777	13.549	ppbv	98
6) Bromomethane	1.670	94	63936	13.971	ppbv	99
7) Chloroethane	1.706	64	44036	13.767	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	264262	13.929	ppbv	99
9) Propene	1.486	41	93521	14.583	ppbv	98
10) Heptane	4.988	43	267463	15.831	ppbv	98
11) Trichlorofluoromethane	1.881	101	324485	13.876	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	265579	14.089	ppbv	99
13) Ethanol	1.722	45	9983	10.739	ppbv	99
14) Bromoethene	1.784	108	100643	14.132	ppbv	97
15) Acetone	1.835	43	194590	11.660	ppbv	100
16) 1,3-Butadiene	1.609	39	91991	13.577	ppbv	99
17) tert-Butyl alcohol	2.043	59	264159	13.696	ppbv	99
18) 1,1-Dichloroethene	2.036	96	118442	13.904	ppbv	96
19) Isopropyl Alcohol	1.887	45	129146	13.608	ppbv	98
20) Methylene Chloride	2.065	84	98942	12.244	ppbv	96
21) Allyl Chloride	2.098	41	153457	14.355	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	133838	14.154	ppbv	92
23) Vinyl Acetate	2.467	43	286064	14.765	ppbv	99
24) 1,1-Dichloroethane	2.412	63	229874	14.182	ppbv	99
25) Ethyl Acetate	2.839	43	478689	14.837	ppbv	100
26) Hexane	2.829	57	225840	15.483	ppbv	97
27) Carbon Disulfide	2.153	76	309978	14.671	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	139514	14.194	ppbv	99
29) Chloroform	2.852	83	388270	14.075	ppbv	99
30) Cyclohexane	3.862	84	201208	15.945	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	233868	14.582	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	410281	14.554	ppbv	99
34) 2-Butanone	2.560	43	308266	14.579	ppbv	98
35) Carbon Tetrachloride	3.768	117	438834	14.454	ppbv	99
36) Benzene	3.661	78	479980	14.890	ppbv	97
37) 1,2-Dichloroethane	3.224	62	285683	14.505	ppbv	99
38) Trichloroethene	4.557	130	216443	14.713	ppbv	96
39) 1,2-Dichloropropane	4.324	63	165746	14.650	ppbv	97
40) 1,4-Dioxane	4.587	88	77951	15.315	ppbv #	97
41) Tetrahydrofuran	3.056	42	167583	16.258	ppbv	99
42) Bromodichloromethane	4.496	83	422662	15.213	ppbv	98
43) Methyl Methacrylate	4.888	69	183189	16.781	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	764008	15.505	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	235366	16.900	ppbv	99

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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:29:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

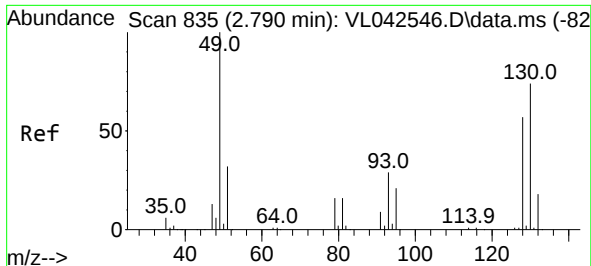
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	281873	16.676	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	197212	14.551	ppbv	97
48) Dibromochloromethane	7.396	129	362289	15.445	ppbv	100
49) Bromoform	9.490	173	316905	15.830	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	412824	16.305	ppbv	99
51) 2-Hexanone	7.444	43	334784	18.003	ppbv	99
52) Tetrachloroethene	8.234	164	184921	14.711	ppbv	97
53) Toluene	6.943	91	568692	16.505	ppbv	99
54) 1,2-Dibromoethane	7.661	107	305844	15.517	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	274477	14.683	ppbv	99
57) Chlorobenzene	8.930	112	455831	14.595	ppbv	100
58) Ethyl Benzene	9.364	91	786590	17.137	ppbv	99
59) m/p-Xylene	9.558	91	1304200m	33.312	ppbv	
60) o-Xylene	9.969	91	658622	16.994	ppbv	99
61) Styrene	9.878	104	283617	19.086	ppbv	98
62) Isopropylbenzene	10.545	105	970711	16.342	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	395110	15.311	ppbv	99
64) n-propylbenzene	10.995	120	251118	16.972	ppbv	98
65) tert-Butylbenzene	11.539	119	888078	16.622	ppbv	99
66) Benzyl Chloride	11.620	91	119686	17.905	ppbv	100
67) sec-Butylbenzene	11.772	105	1200845	15.923	ppbv	99
69) p-Isopropyltoluene	11.930	119	1051945	16.890	ppbv	99
70) n-Butylbenzene	12.287	91	1020679	17.345	ppbv	99
71) 2-Chlorotoluene	10.908	91	731158	17.103	ppbv	99
72) 4-Ethyltoluene	11.131	105	825454	17.217	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	698986	16.853	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	784348	15.683	ppbv	94
75) 1,3-Dichlorobenzene	11.613	146	473288	15.334	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	475904	15.877	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	453934	14.926	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	352631	14.038	ppbv	100
79) Naphthalene	13.516	128	738639	19.731	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	456676	23.660	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	399239	17.736	ppbv	99

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

Manual Integrations APPROVED

Quant Time: May 20 23:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 835

Delta R.T. 0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 49 Resp: 11976

Ion Ratio Lower Upper

49 100

128 55.6 28.6 85.8

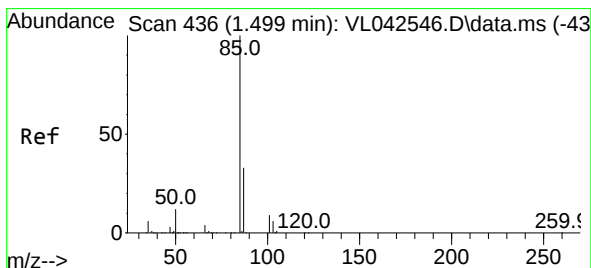
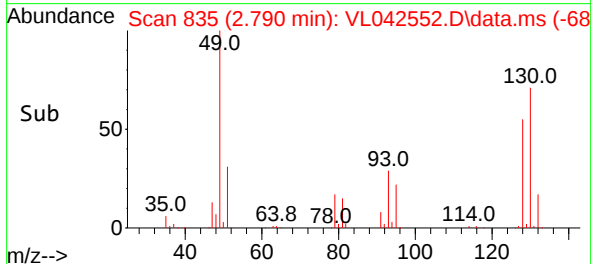
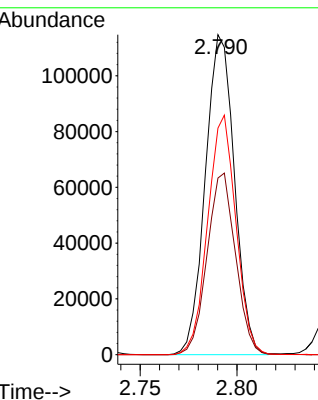
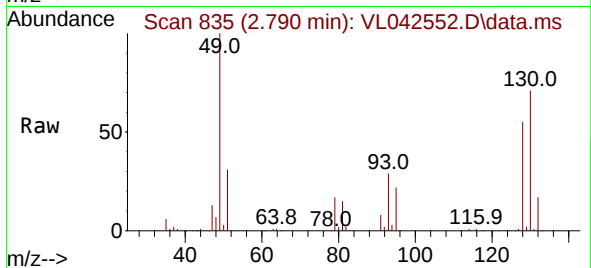
130 72.7 36.6 109.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#2

Dichlorodifluoromethane

Concen: 13.821 ppbv

RT: 1.499 min Scan# 436

Delta R.T. -0.000 min

Lab File: VL042552.D

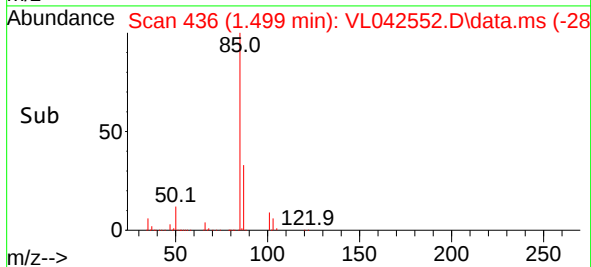
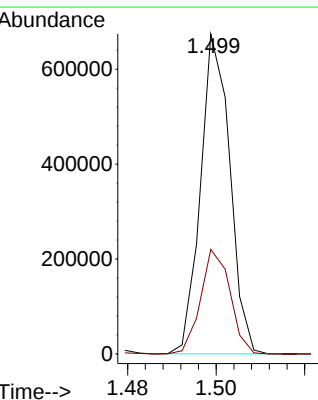
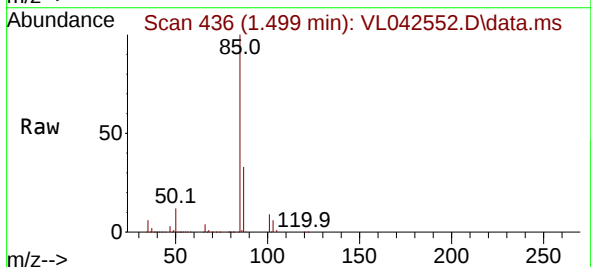
Acq: 20 May 2025 13:28

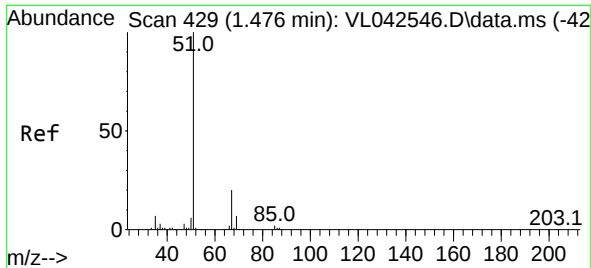
Tgt Ion: 85 Resp: 309546

Ion Ratio Lower Upper

85 100

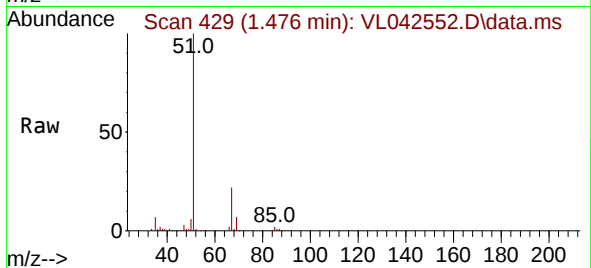
87 32.7 26.2 39.4





#3
Chlorodifluoromethane
Concen: 13.891 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

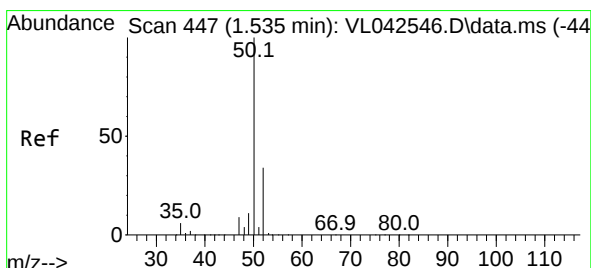
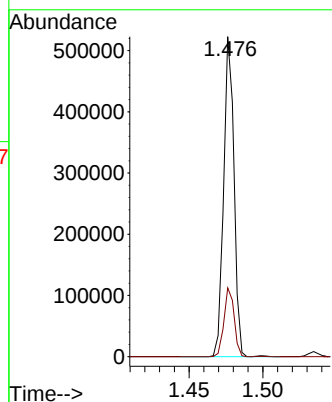
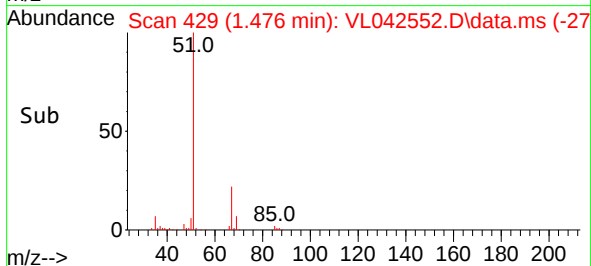
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



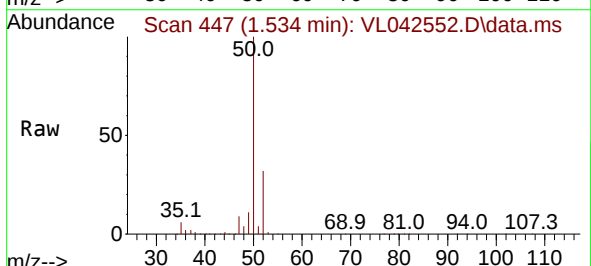
Tgt Ion: 51 Resp: 256269
Ion Ratio Lower Upper
51 100
67 21.2 16.6 25.0

Manual Integrations
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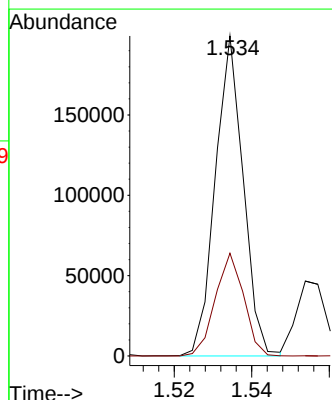
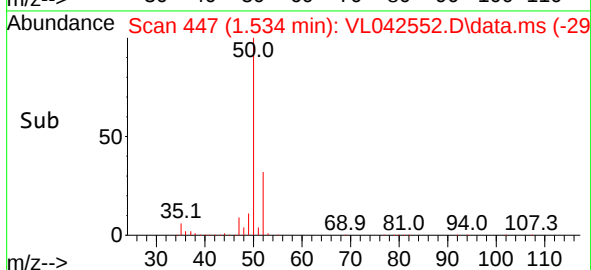
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

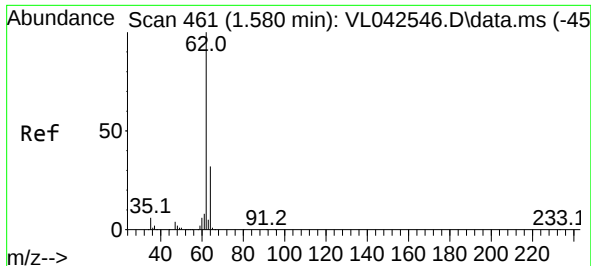


#4
Chloromethane
Concen: 13.826 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



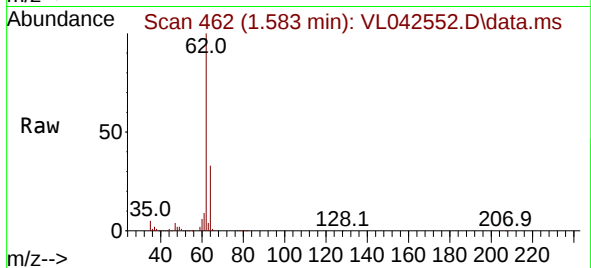
Tgt Ion: 50 Resp: 99758
Ion Ratio Lower Upper
50 100
52 32.1 26.9 40.3





#5
 Vinyl Chloride
 Concen: 13.549 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

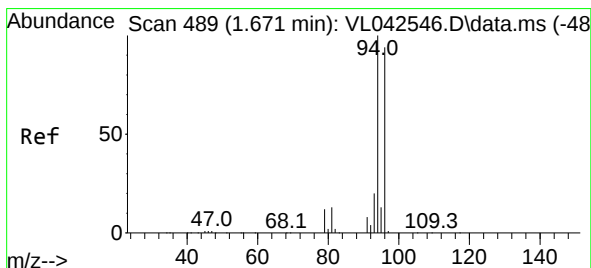
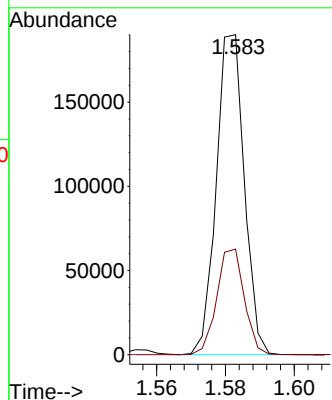
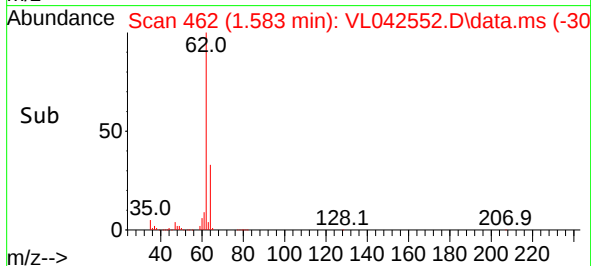
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 62 Resp: 107777
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.7 38.5

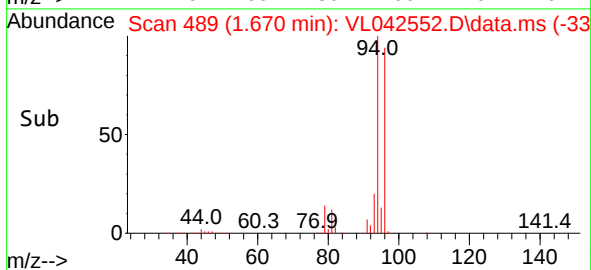
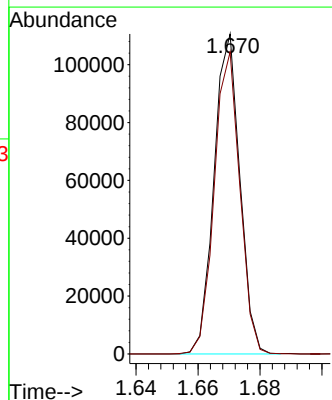
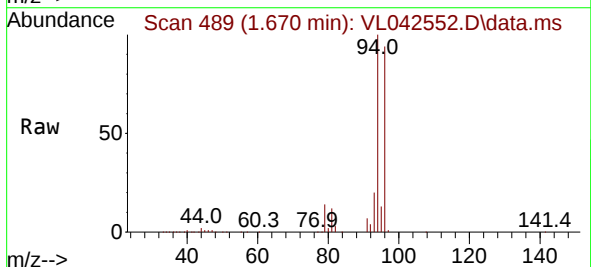
Manual Integrations
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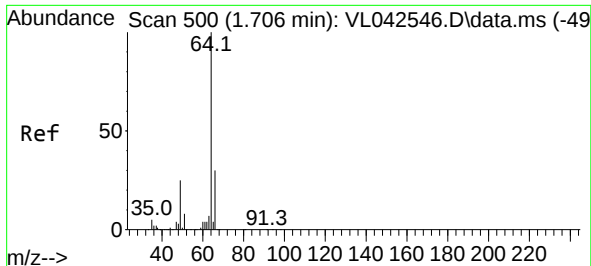
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#6
 Bromomethane
 Concen: 13.971 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

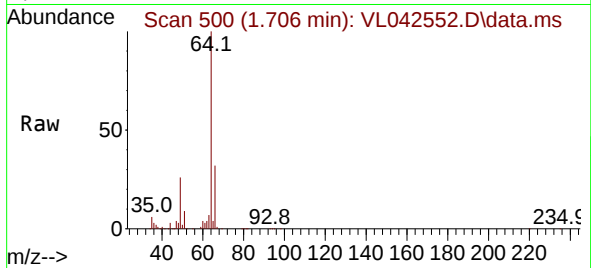
Tgt Ion: 94 Resp: 63936
 Ion Ratio Lower Upper
 94 100
 96 94.3 74.9 112.3





#7
Chloroethane
Concen: 13.767 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

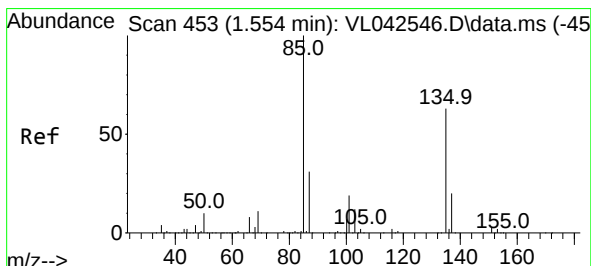
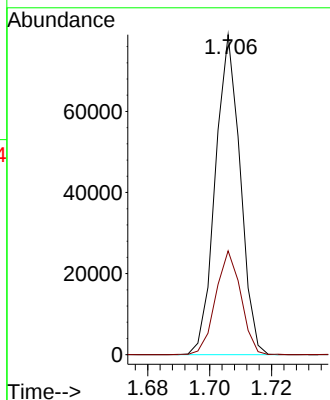
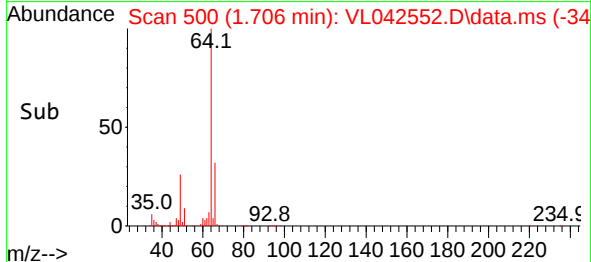
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 44030
Ion Ratio Lower Upper
64 100
66 32.5 24.4 36.6

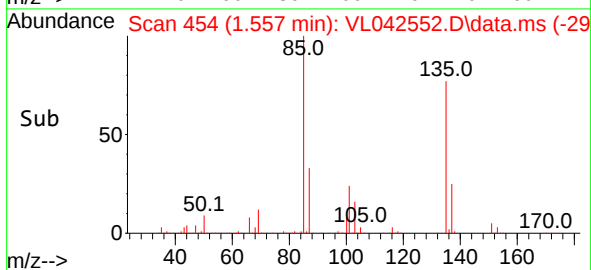
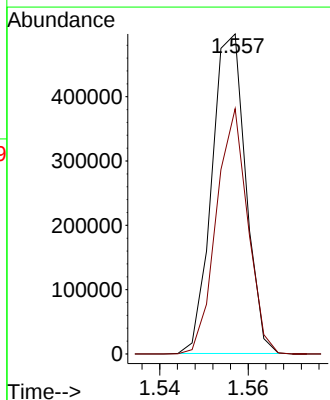
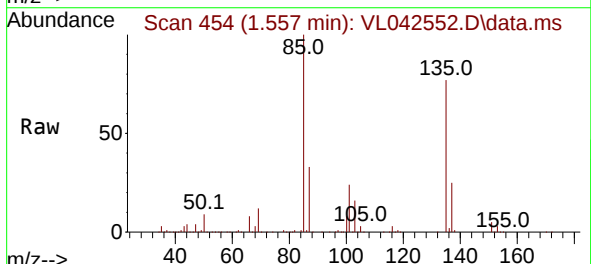
Manual Integrations
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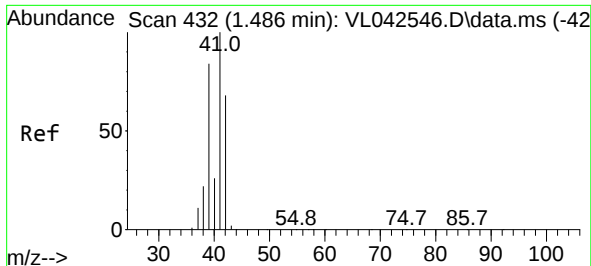
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#8
Dichlorotetrafluoroethane
Concen: 13.929 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Tgt Ion: 85 Resp: 264262
Ion Ratio Lower Upper
85 100
135 71.1 57.2 85.8





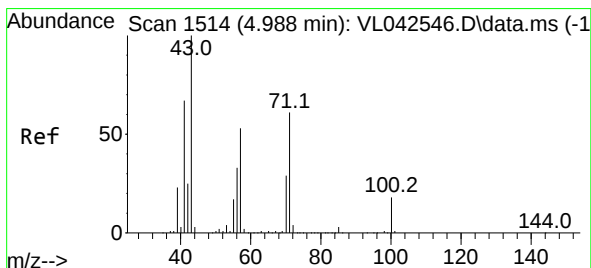
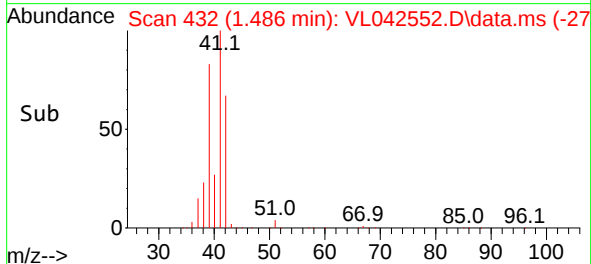
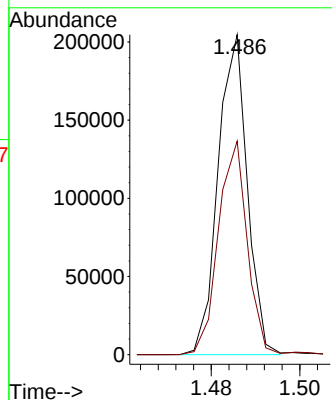
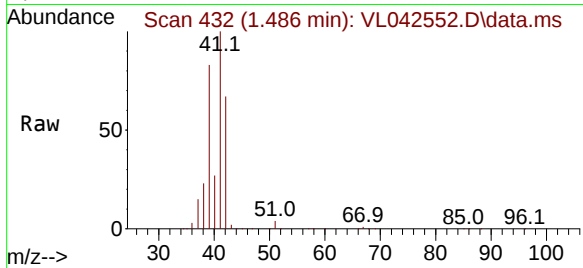
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 Propene
 Concen: 14.583 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 9352
 Ion Ratio Lower Upper
 41 100
 42 66.9 55.0 82.4

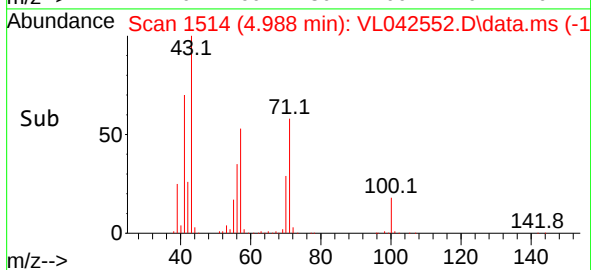
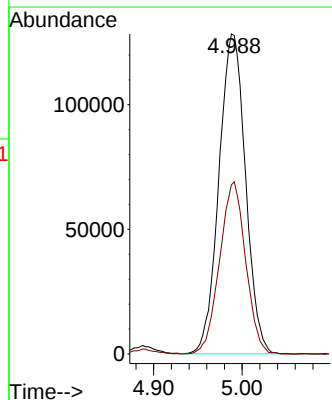
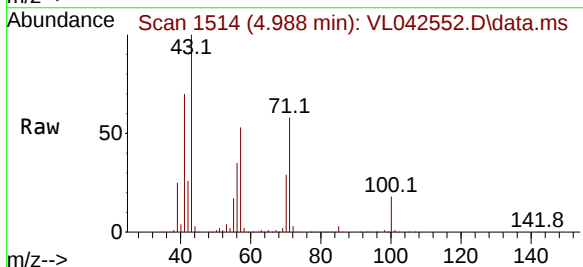
Manual Integrations
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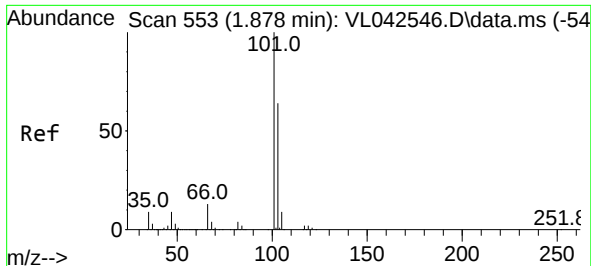
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#10
 Heptane
 Concen: 15.831 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

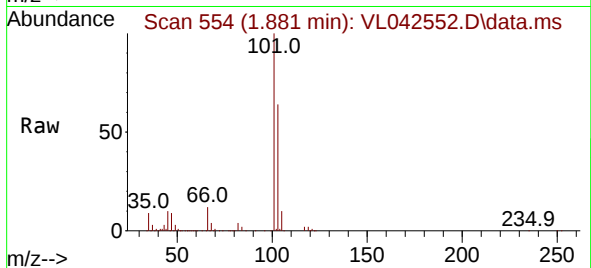
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 Ion Ratio Lower Upper
 43 100
 57 52.7 43.4 65.0





#11
 Trichlorofluoromethane
 Concen: 13.876 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

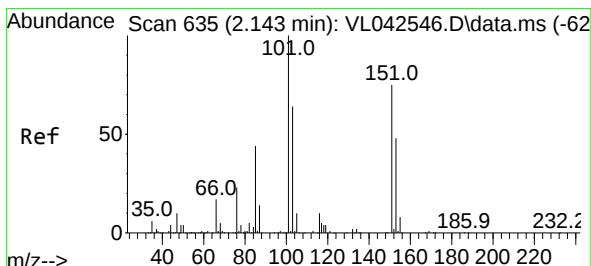
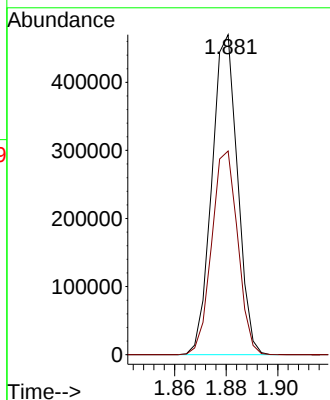
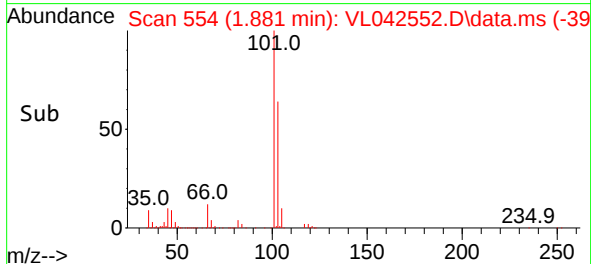
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



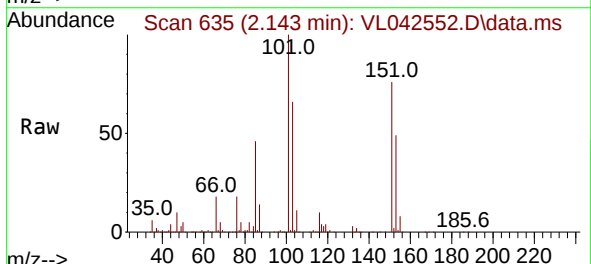
Tgt Ion:101 Resp: 324489
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3

Manual Integrations
 APPROVED

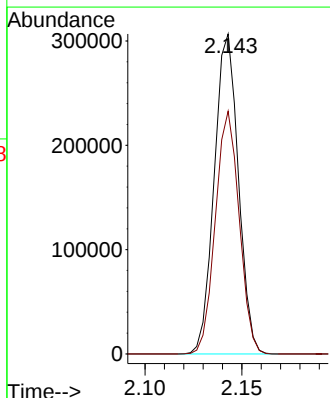
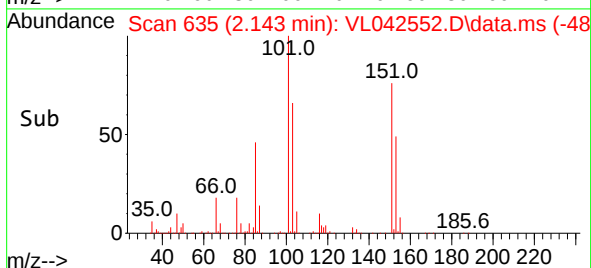
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

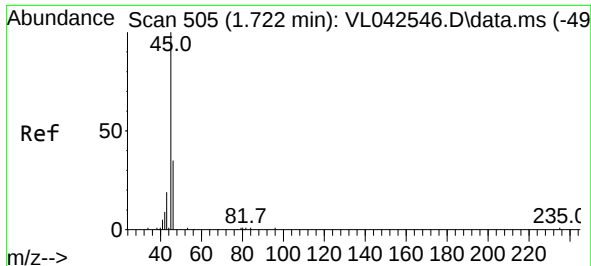


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.089 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28



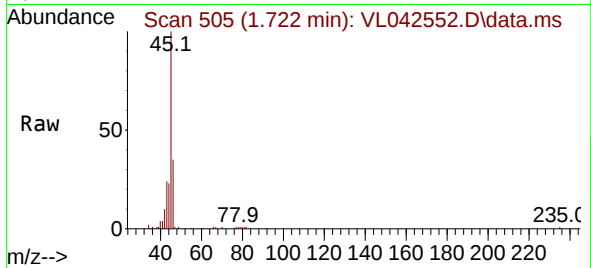
Tgt Ion:101 Resp: 265579
 Ion Ratio Lower Upper
 101 100
 151 74.8 59.5 89.3





#13
Ethanol
Concen: 10.739 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

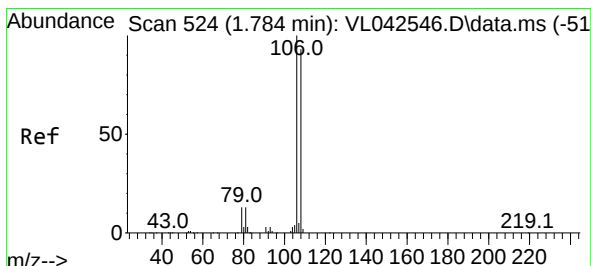
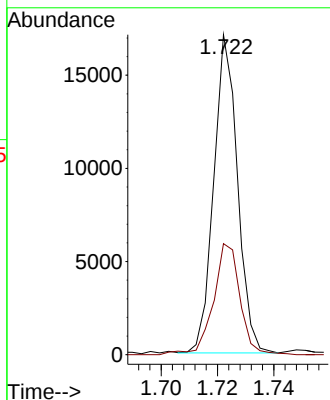
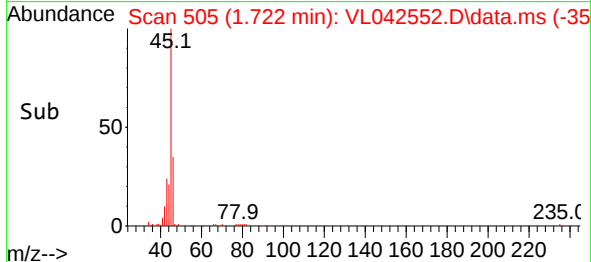
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



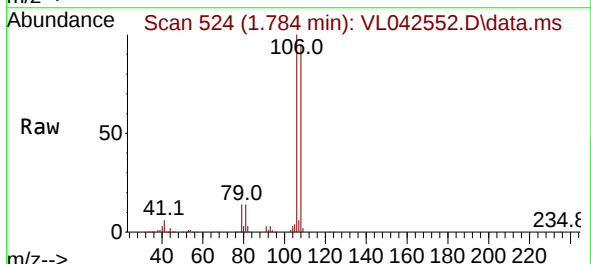
Tgt Ion: 45 Resp: 998
Ion Ratio Lower Upper
45 100
46 39.2 15.3 61.3

Manual Integrations
APPROVED

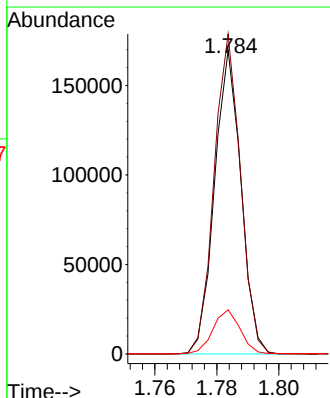
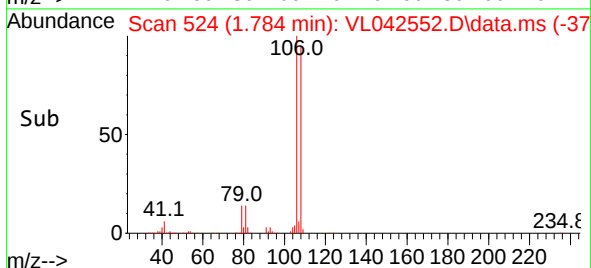
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

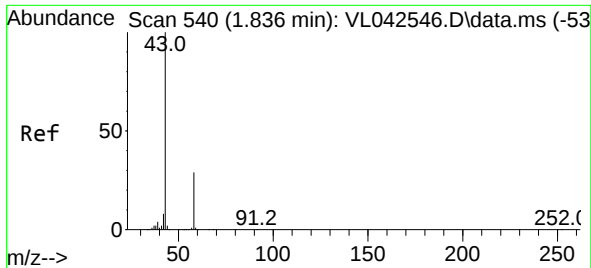


#14
Bromoethene
Concen: 14.132 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



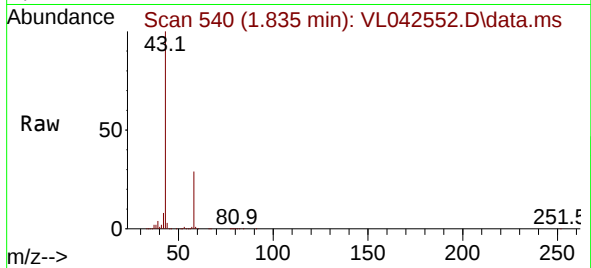
Tgt Ion:108 Resp: 100643
Ion Ratio Lower Upper
108 100
106 104.8 86.4 129.6
79 15.8 11.9 17.9





#15
Acetone
Concen: 11.660 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

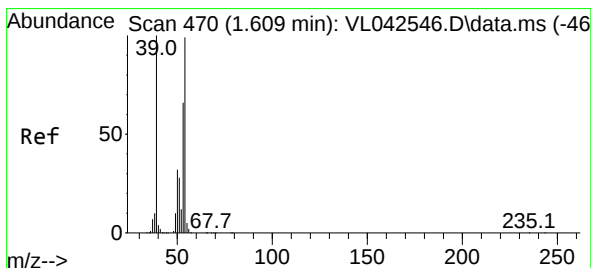
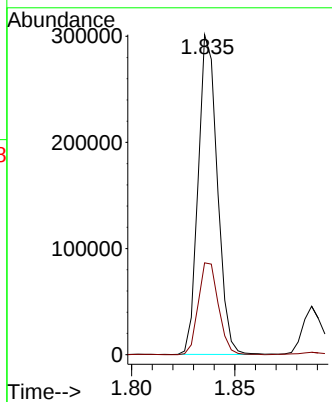
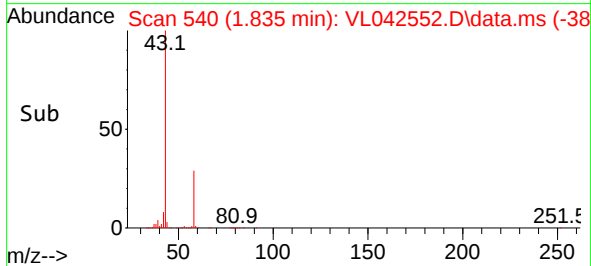
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



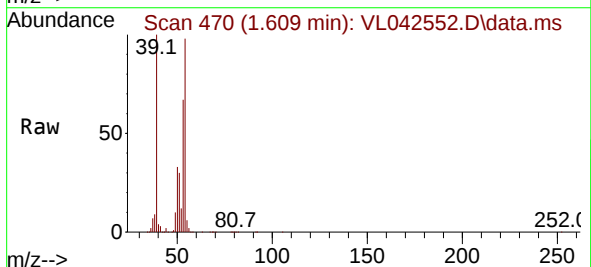
Tgt Ion: 43 Resp: 194590
Ion Ratio Lower Upper
43 100
58 30.3 24.2 36.2

Manual Integrations
APPROVED

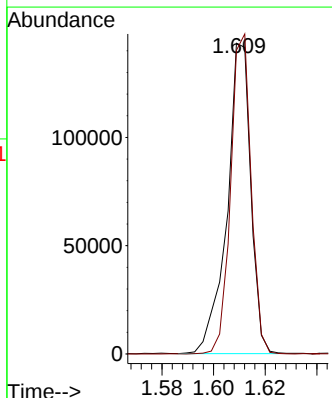
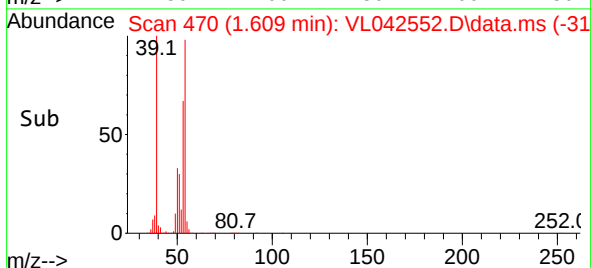
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

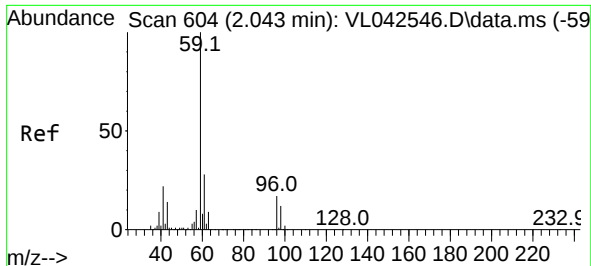


#16
1,3-Butadiene
Concen: 13.577 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion: 39 Resp: 91991
Ion Ratio Lower Upper
39 100
54 88.6 71.8 107.8





#17

tert-Butyl alcohol

Concen: 13.696 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 264159

Ion Ratio Lower Upper

59 100

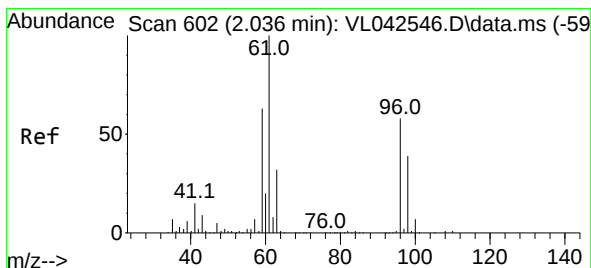
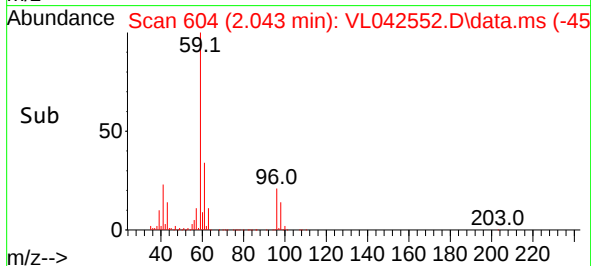
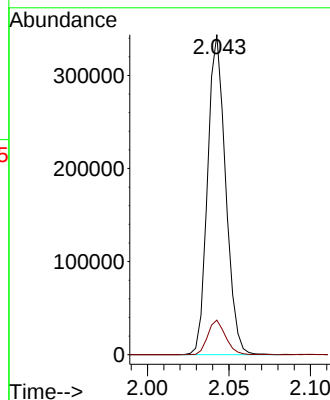
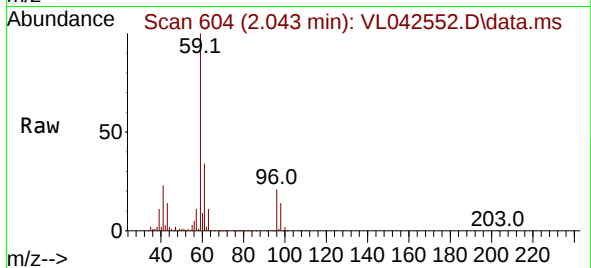
57 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#18

1,1-Dichloroethene

Concen: 13.904 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

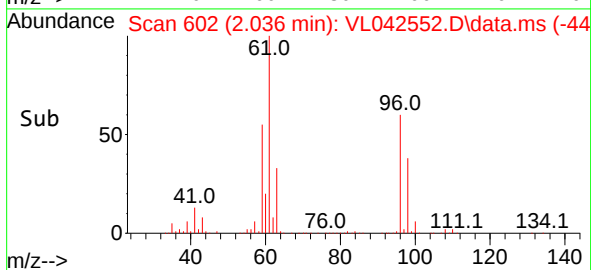
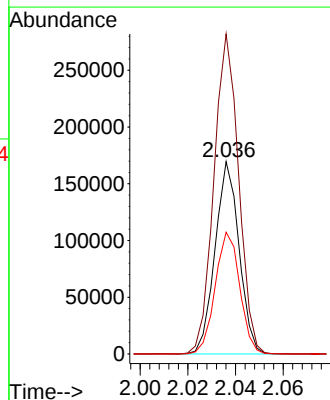
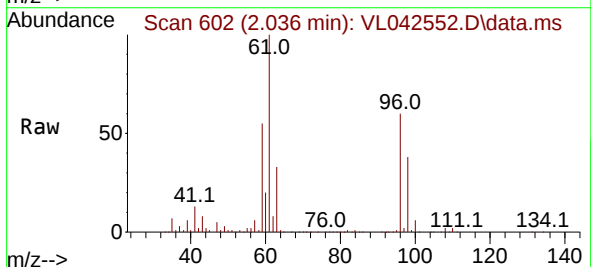
Tgt Ion: 96 Resp: 118442

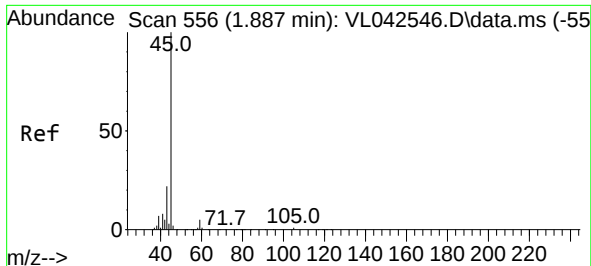
Ion Ratio Lower Upper

96 100

61 166.3 137.5 206.3

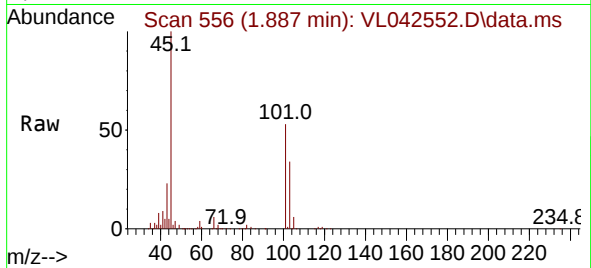
98 63.3 53.2 79.8





#19
Isopropyl Alcohol
Concen: 13.608 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

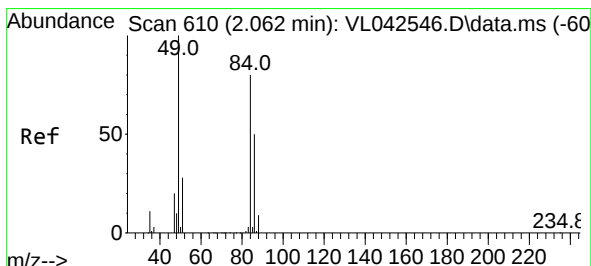
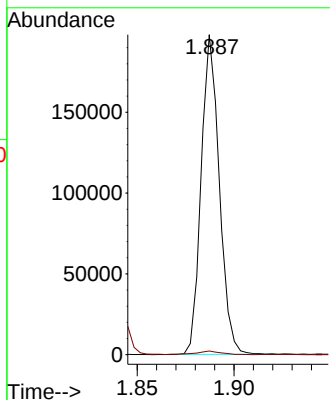
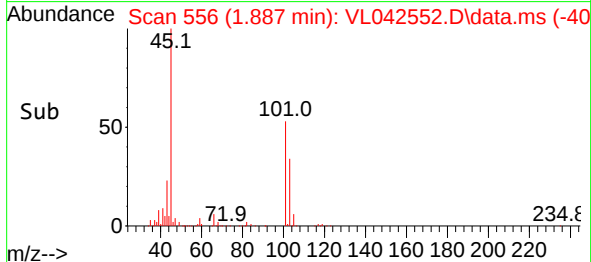
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 129140
Ion Ratio Lower Upper
45 100
58 45.6 35.3 52.9

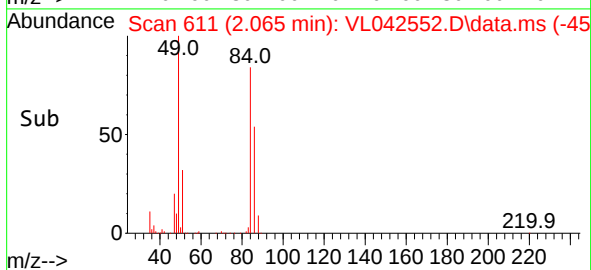
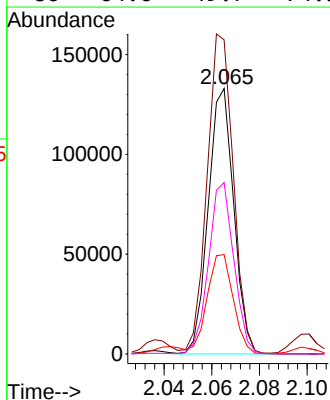
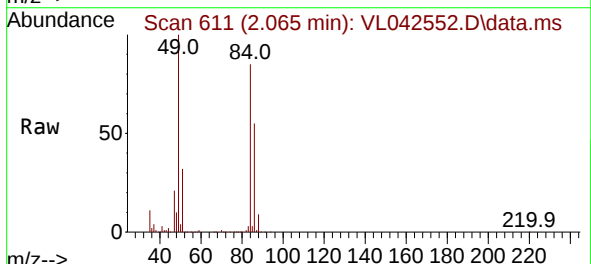
Manual Integrations
APPROVED

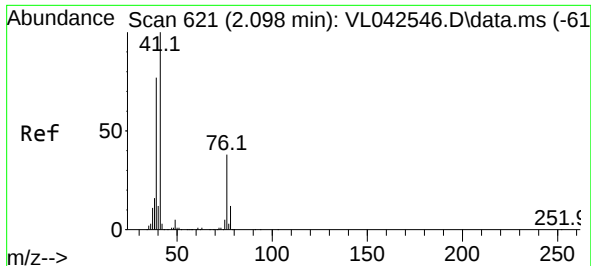
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#20
Methylene Chloride
Concen: 12.244 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

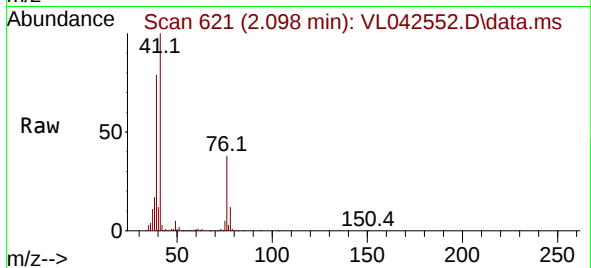
Tgt Ion: 84 Resp: 98942
Ion Ratio Lower Upper
84 100
49 117.8 99.7 149.5
51 37.1 29.7 44.5
86 64.6 49.7 74.5





#21
 Allyl Chloride
 Concen: 14.355 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

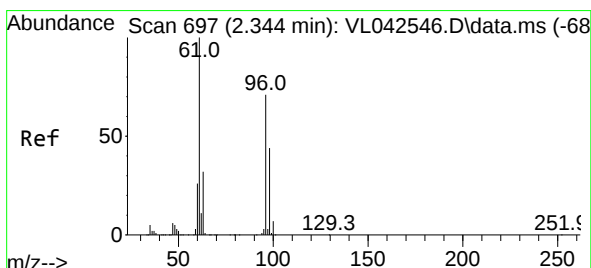
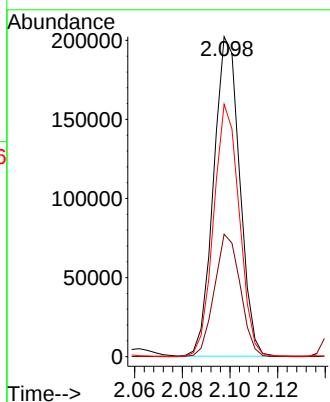
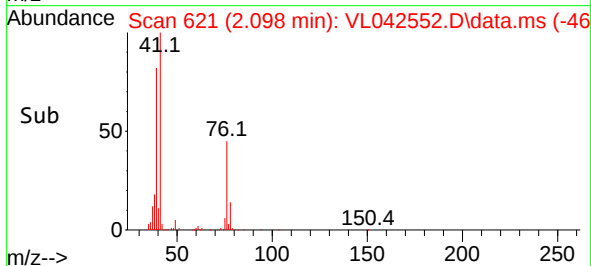
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 15345
 Ion Ratio Lower Upper
 41 100
 76 38.1 30.2 45.4
 39 77.8 62.5 93.7

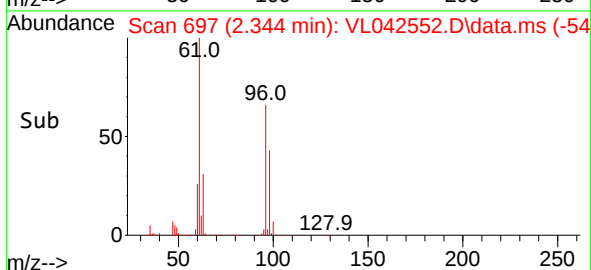
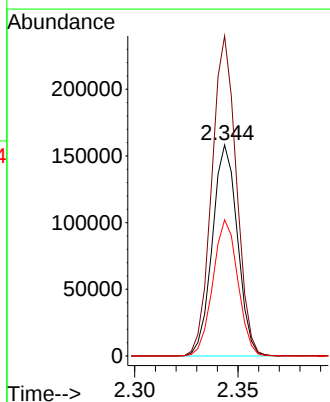
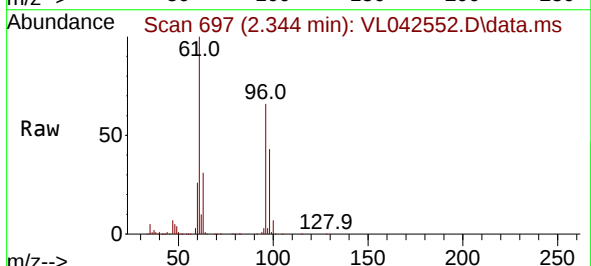
Manual Integrations
 APPROVED

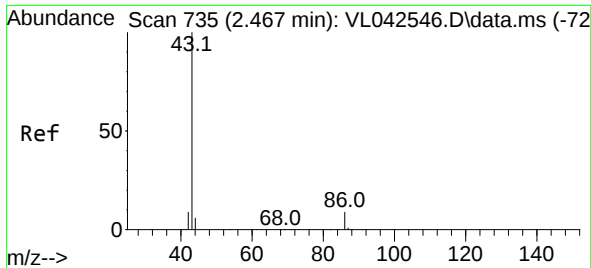
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#22
 trans-1,2-Dichloroethene
 Concen: 14.154 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

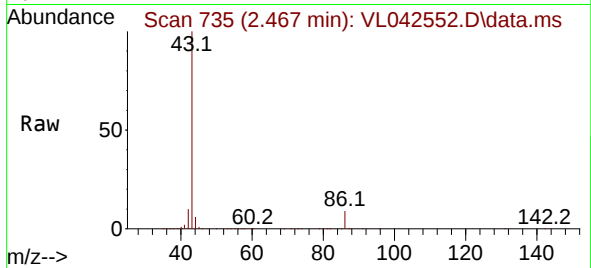
Tgt Ion: 96 Resp: 133838
 Ion Ratio Lower Upper
 96 100
 61 151.6 112.5 168.7
 98 64.5 49.0 73.4





#23
 Vinyl Acetate
 Concen: 14.765 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

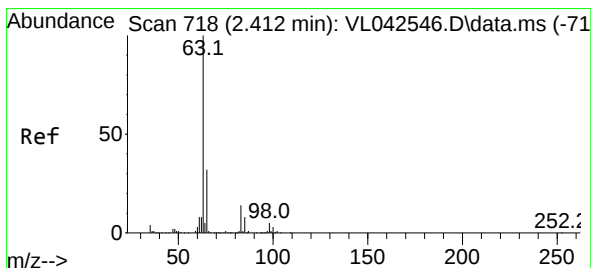
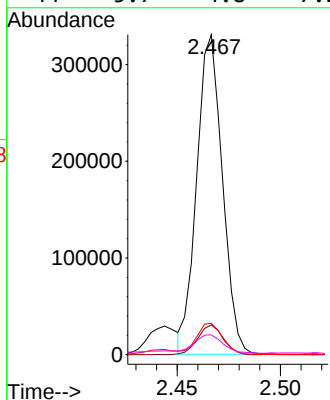
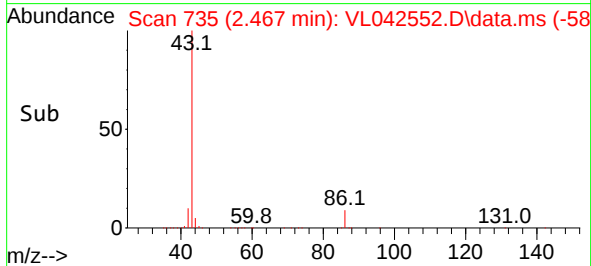


Tgt Ion: 43 Resp: 286064

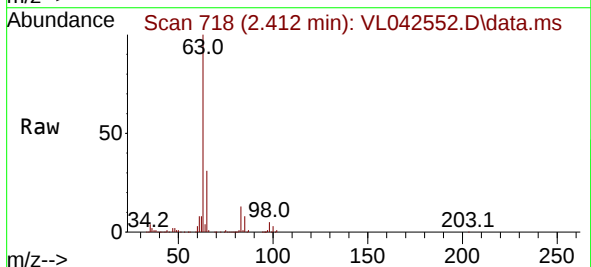
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.0	10.6
42	9.8	7.4	11.2
44	5.7	4.8	7.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

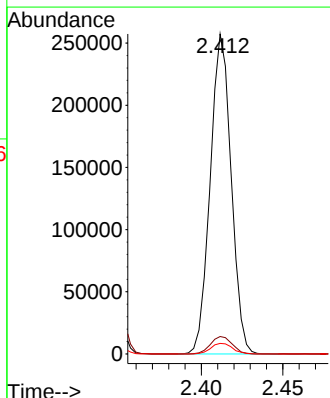
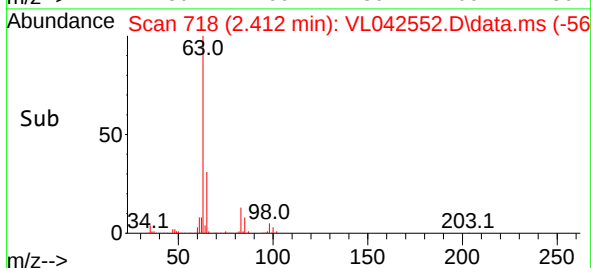


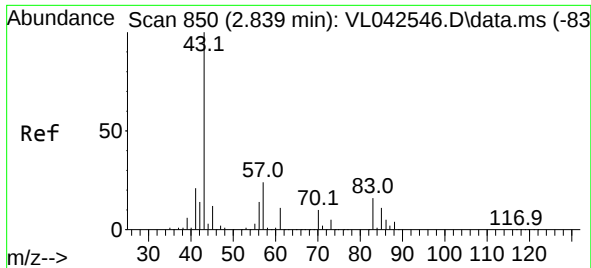
#24
 1,1-Dichloroethane
 Concen: 14.182 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28



Tgt Ion: 63 Resp: 229874

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.6	7.8
100	3.3	1.8	5.3





#25
Ethyl Acetate
Concen: 14.837 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

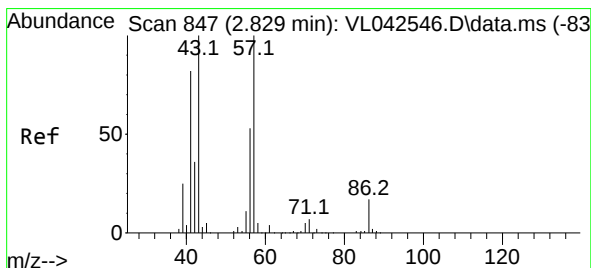
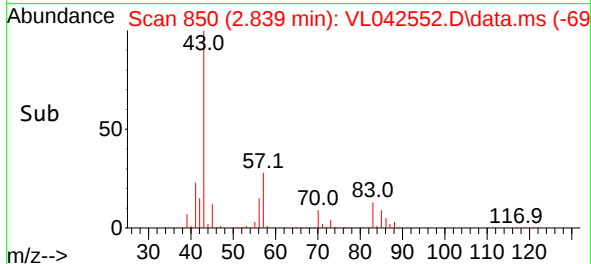
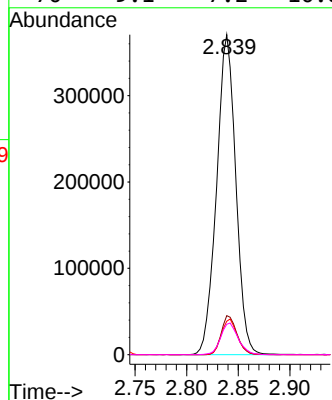
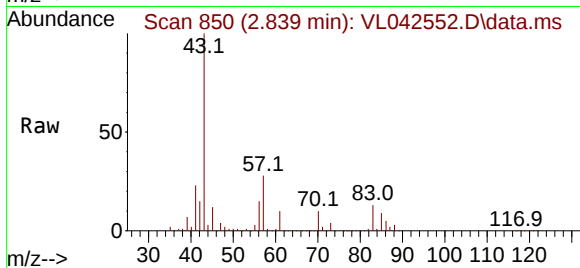
VSTDIC015

Tgt Ion: 43 Resp: 478689
Ion Ratio Lower Upper
43 100
45 10.1 8.0 12.0
61 9.4 7.5 11.3
70 9.1 7.2 10.8

Manual Integrations

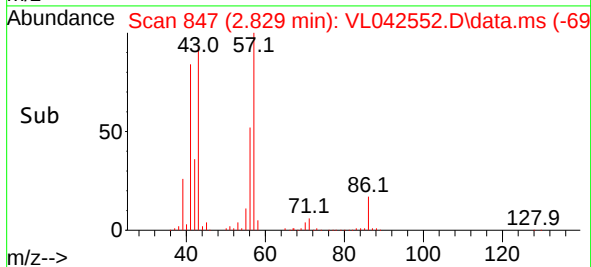
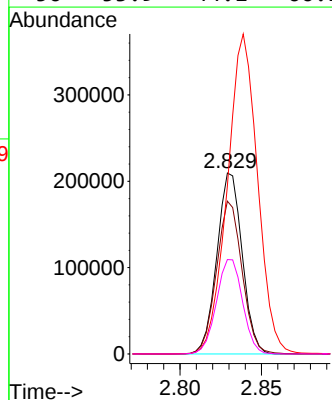
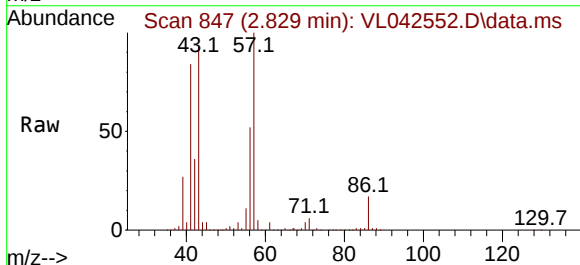
APPROVED

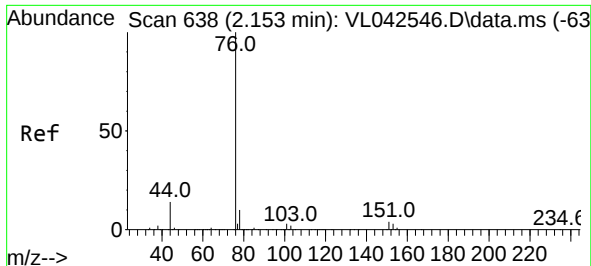
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#26
Hexane
Concen: 15.483 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

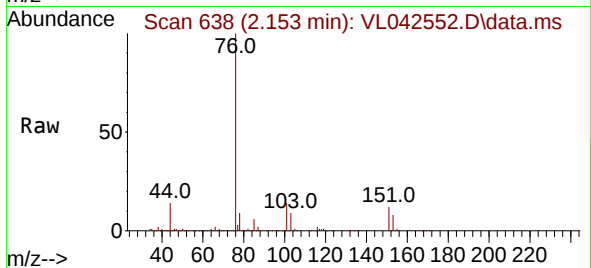
Tgt Ion: 57 Resp: 225840
Ion Ratio Lower Upper
57 100
41 85.5 69.0 103.4
43 212.1 174.2 261.2
56 53.9 44.1 66.1





#27
Carbon Disulfide
Concen: 14.671 ppbv
RT: 2.153 min Scan# 638
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

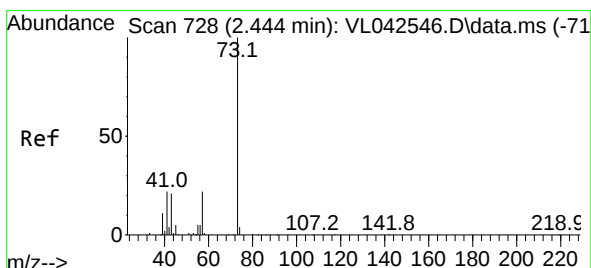
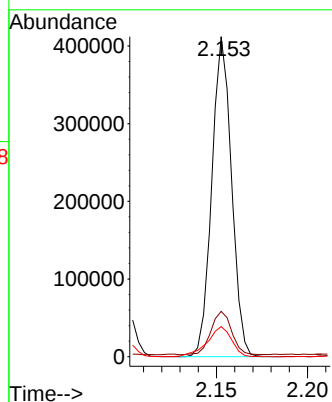
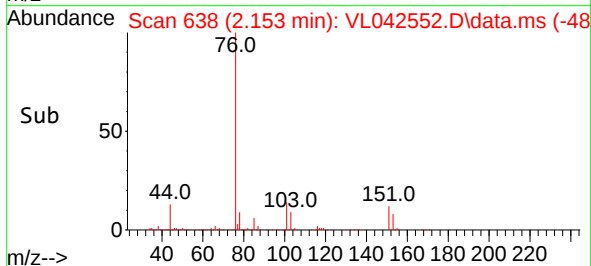
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



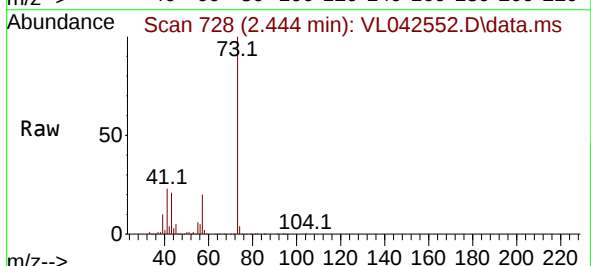
Tgt Ion: 76 Resp: 309978
Ion Ratio Lower Upper
76 100
44 14.4 14.0 21.0
78 11.6 9.4 14.0

Manual Integrations
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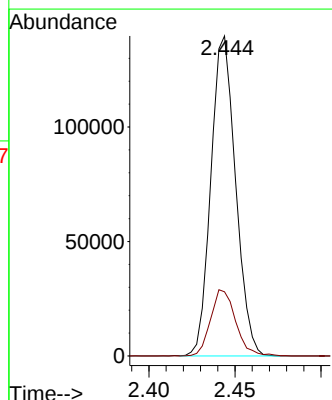
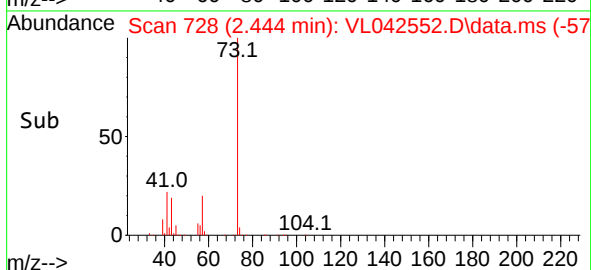
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

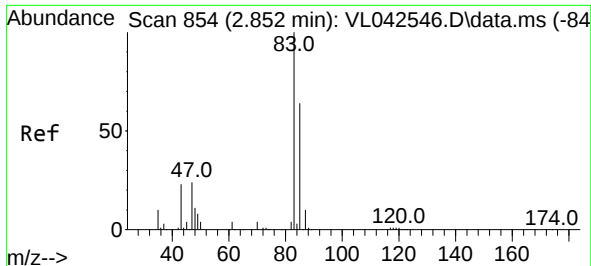


#28
Methyl tert-Butyl Ether
Concen: 14.194 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion: 73 Resp: 139514
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8





#29

Chloroform

Concen: 14.075 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 388270

Ion Ratio Lower Upper

83 100

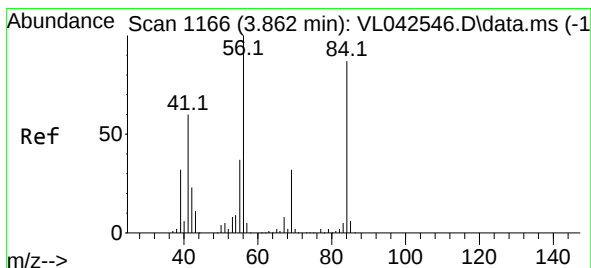
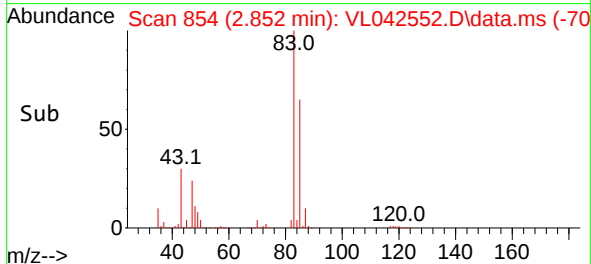
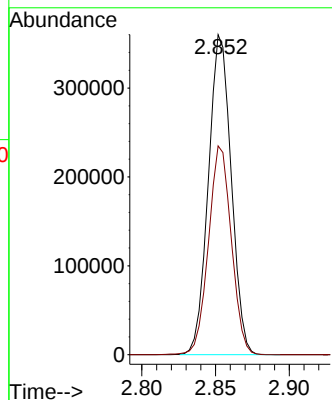
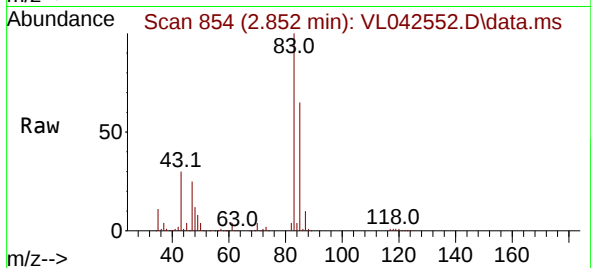
85 65.2 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#30

Cyclohexane

Concen: 15.945 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

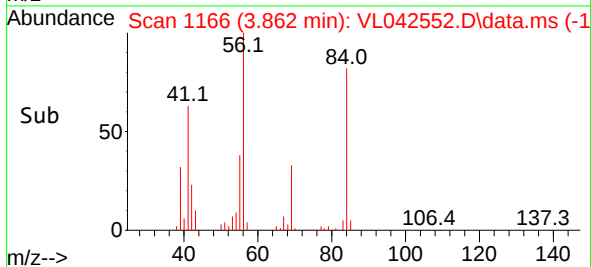
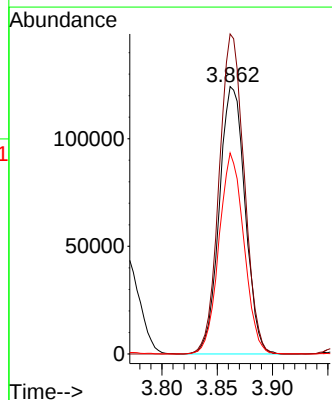
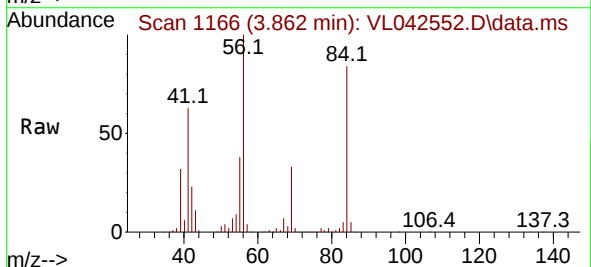
Tgt Ion: 84 Resp: 201208

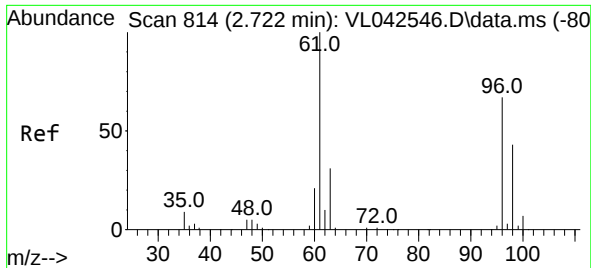
Ion Ratio Lower Upper

84 100

56 116.2 92.3 138.5

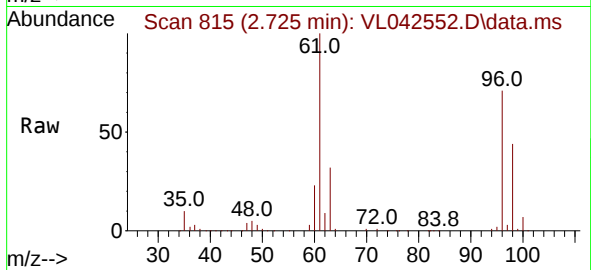
41 72.7 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 14.582 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

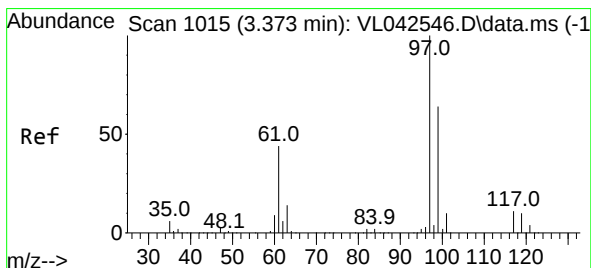
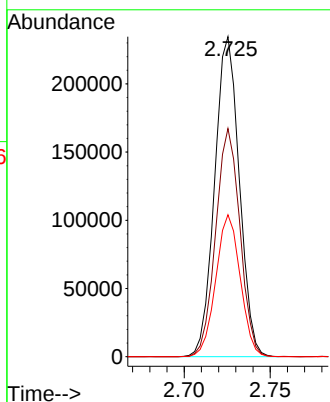
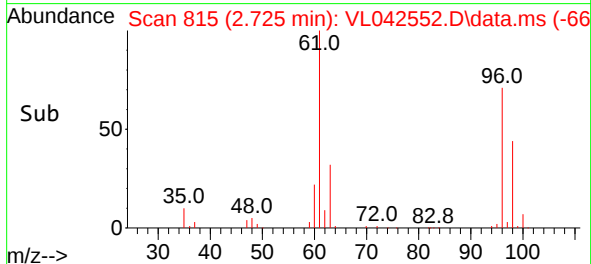
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



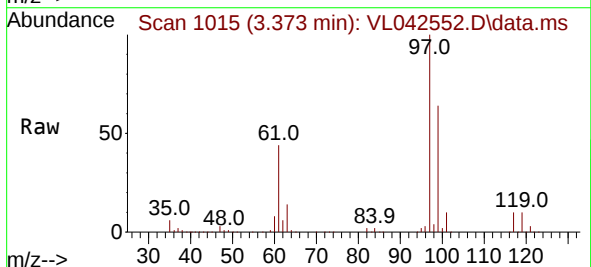
Tgt Ion: 61 Resp: 23386
 Ion Ratio Lower Upper
 61 100
 96 71.3 53.8 80.8
 98 44.3 34.5 51.7

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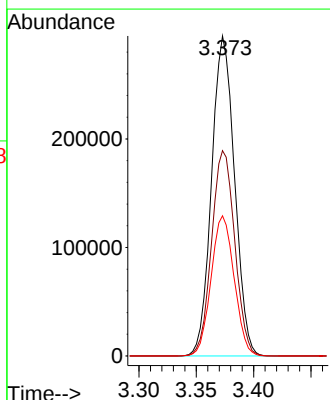
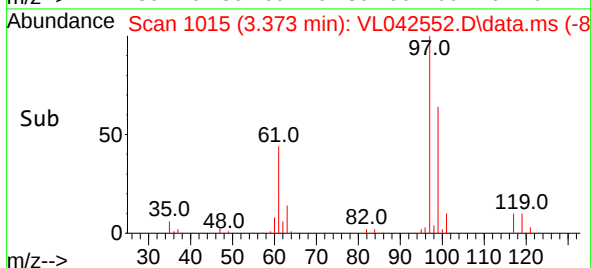
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

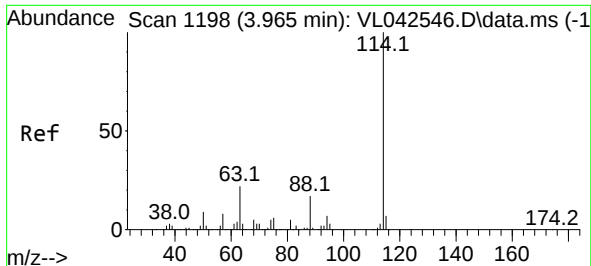


#32
 1,1,1-Trichloroethane
 Concen: 14.554 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28



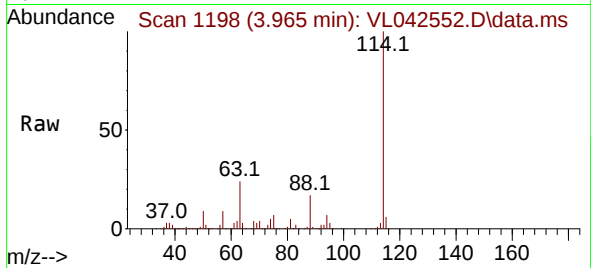
Tgt Ion: 97 Resp: 410281
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 44.1 35.7 53.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

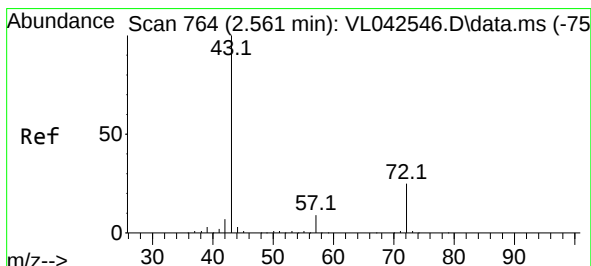
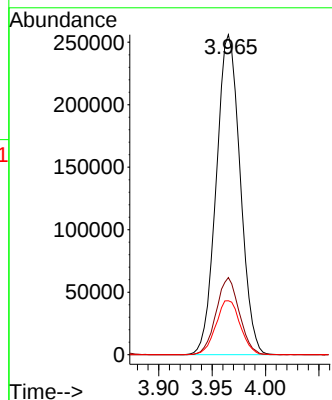
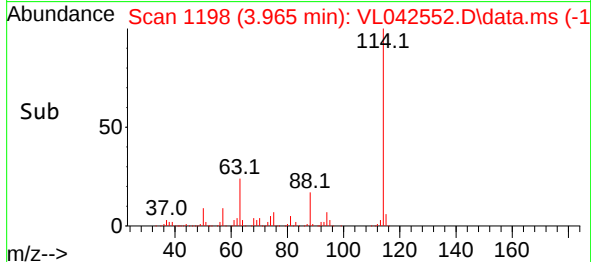
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:114 Resp: 398318
Ion Ratio Lower Upper
114 100
63 23.4 18.4 27.6
88 17.3 14.0 21.0

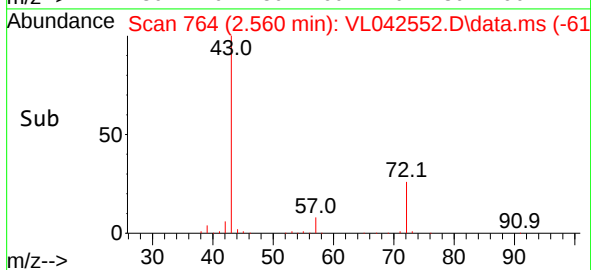
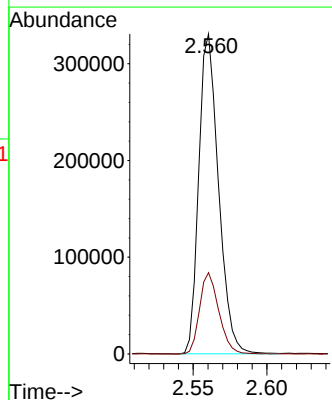
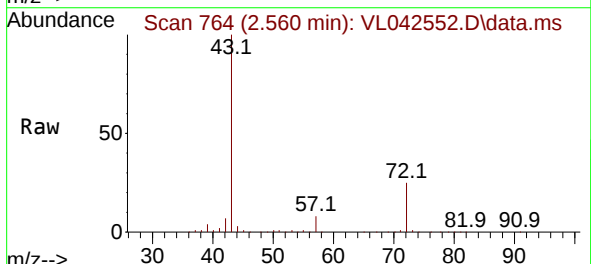
Manual Integrations
APPROVED

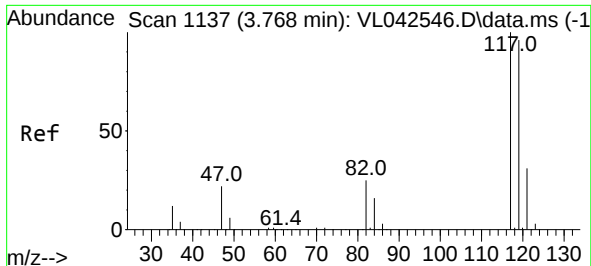
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#34
2-Butanone
Concen: 14.579 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

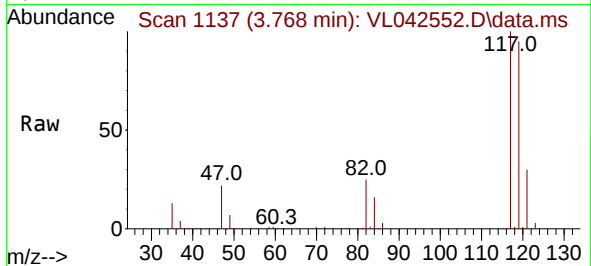
Tgt Ion: 43 Resp: 308266
Ion Ratio Lower Upper
43 100
72 24.8 20.5 30.7





#35
Carbon Tetrachloride
Concen: 14.454 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

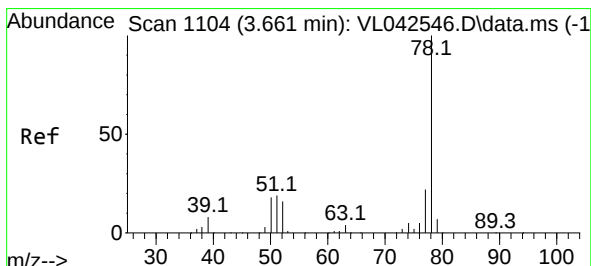
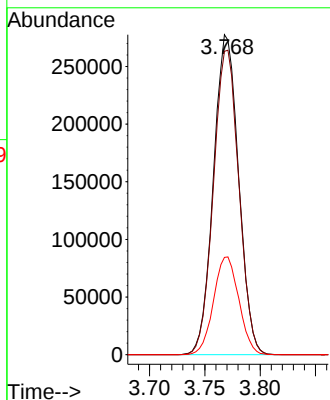
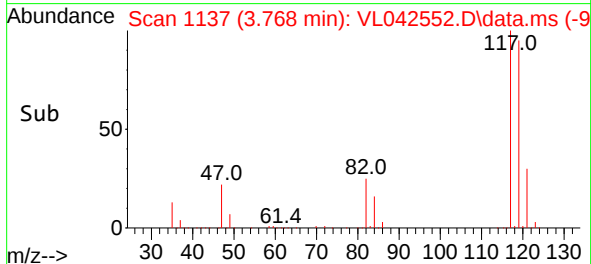
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 438834
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8
121 30.4 24.7 37.1

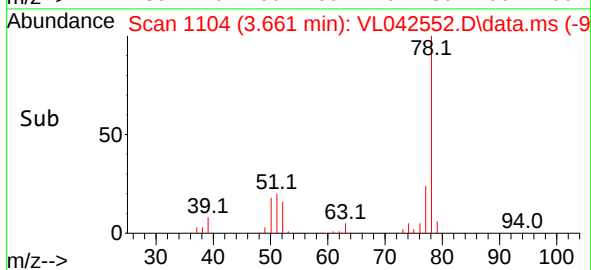
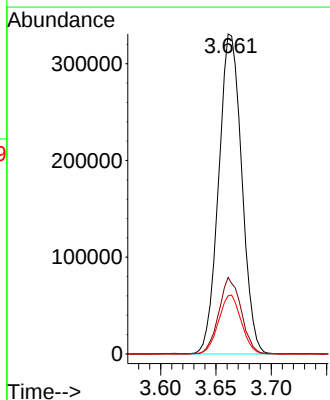
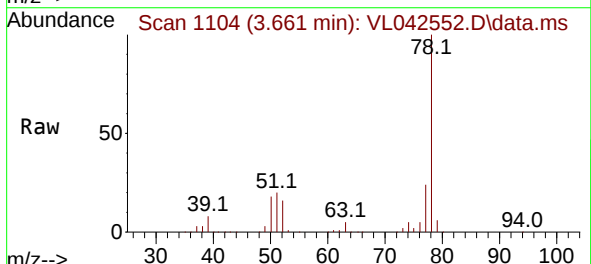
Manual Integrations
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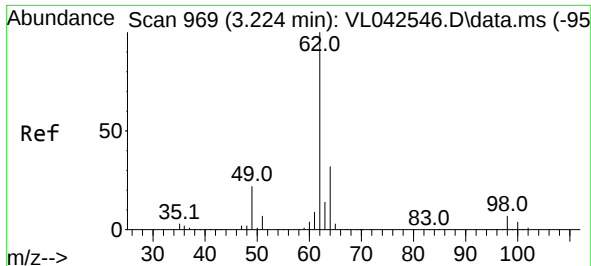
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#36
Benzene
Concen: 14.890 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Tgt Ion: 78 Resp: 479980
Ion Ratio Lower Upper
78 100
77 23.9 17.8 26.6
50 18.2 14.0 21.0





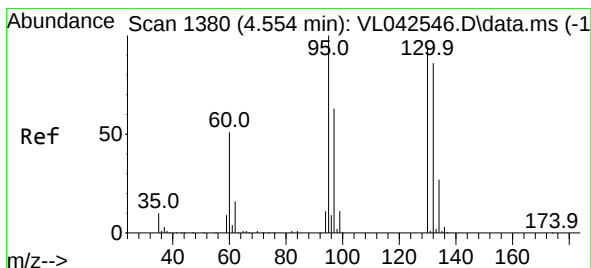
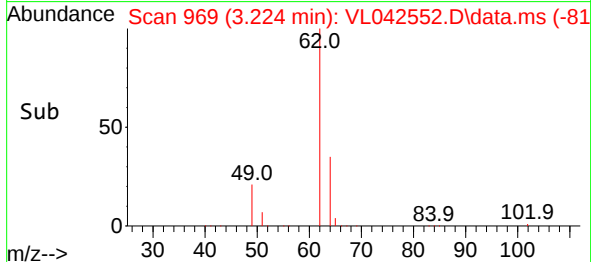
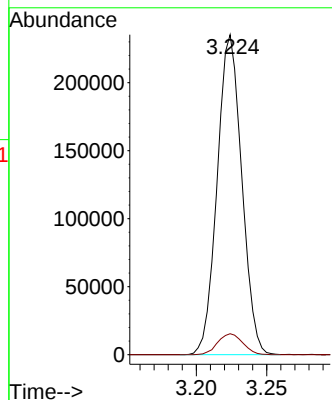
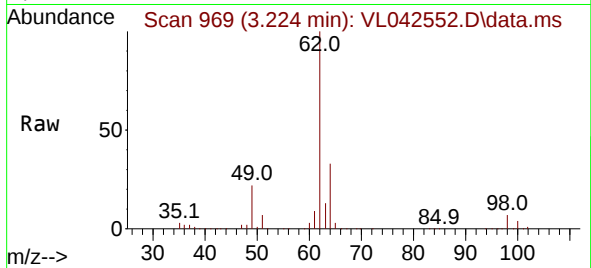
#37
1,2-Dichloroethane
Concen: 14.505 ppbv
RT: 3.224 min Scan# 969
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 62 Resp: 28568
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3

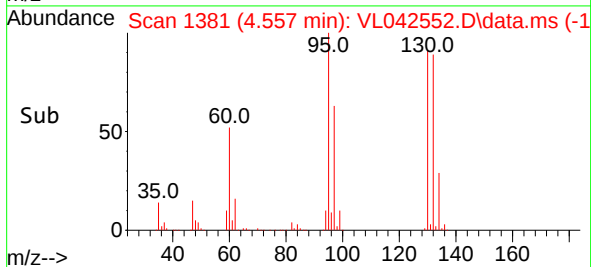
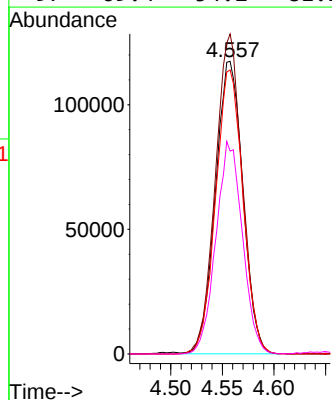
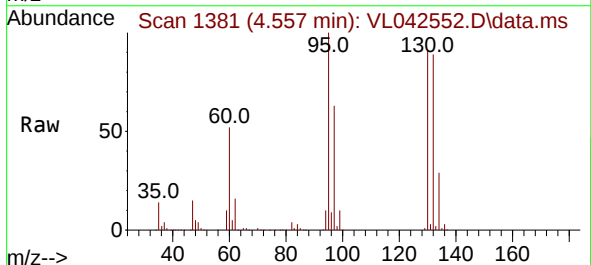
Manual Integrations
APPROVED

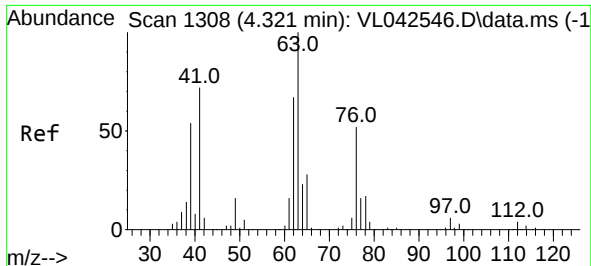
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#38
Trichloroethene
Concen: 14.713 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Tgt Ion:130 Resp: 216443
Ion Ratio Lower Upper
130 100
95 109.3 85.2 127.8
132 97.1 73.4 110.2
97 69.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 14.650 ppbv

RT: 4.324 min Scan# 1308

Delta R.T. 0.003 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

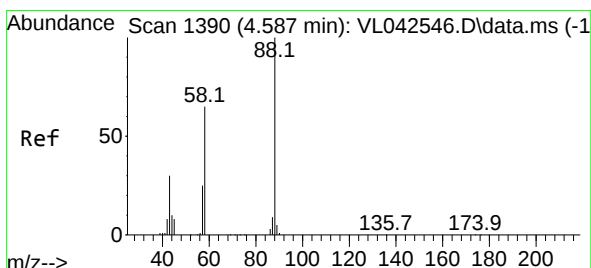
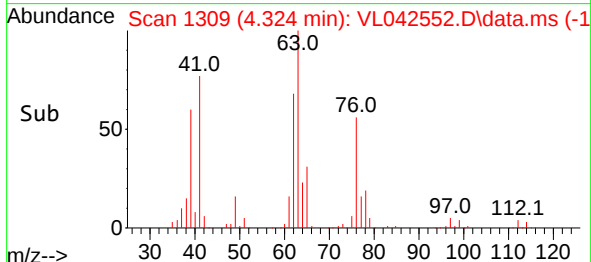
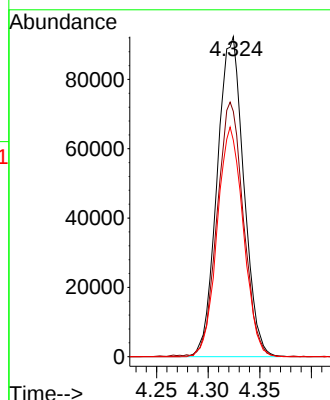
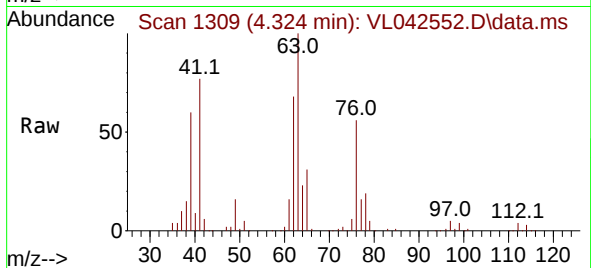
Tgt Ion: 63 Resp: 165740

Ion	Ratio	Lower	Upper
63	100		
41	76.5	58.0	87.0
62	67.6	53.3	79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#40

1,4-Dioxane

Concen: 15.315 ppbv

RT: 4.587 min Scan# 1390

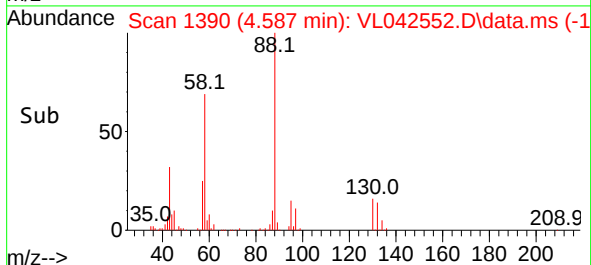
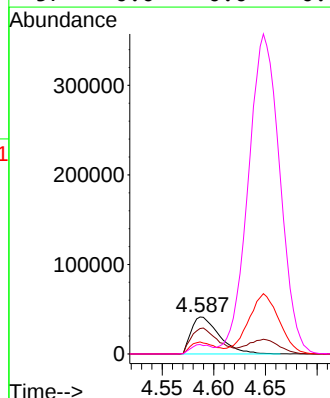
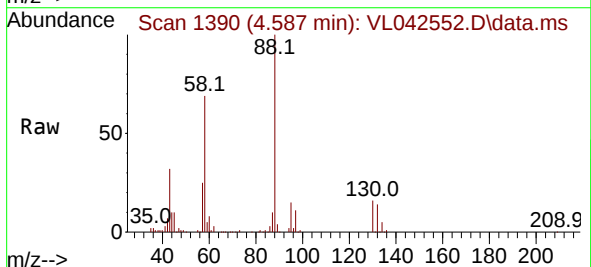
Delta R.T. -0.000 min

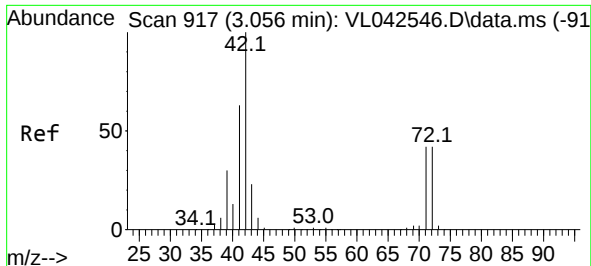
Lab File: VL042552.D

Acq: 20 May 2025 13:28

Tgt Ion: 88 Resp: 77951

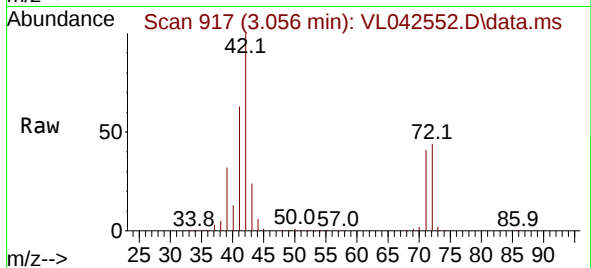
Ion	Ratio	Lower	Upper
88	100		
58	67.9	52.8	79.2
43	30.2	23.0	34.4
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 16.258 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

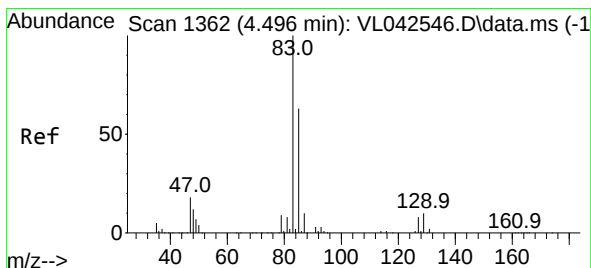
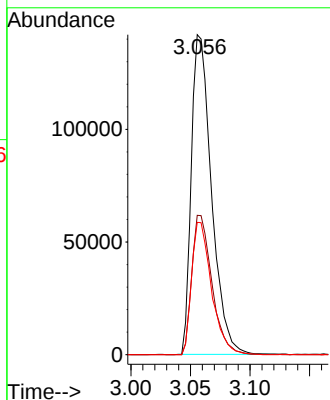
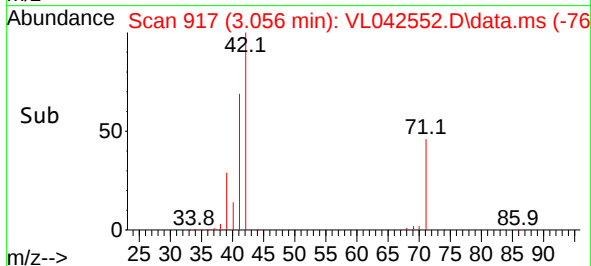
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



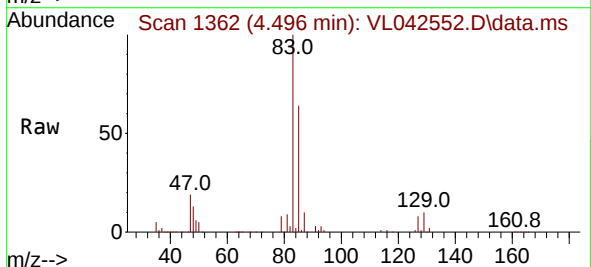
Tgt Ion: 42 Resp: 167583
Ion Ratio Lower Upper
42 100
72 43.5 34.8 52.2
71 40.9 33.6 50.4

Manual Integrations
APPROVED

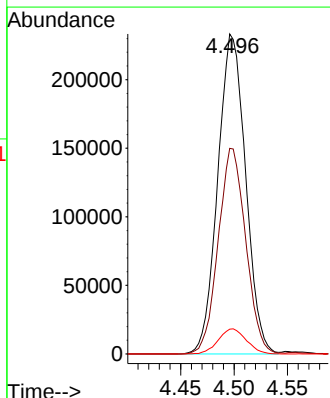
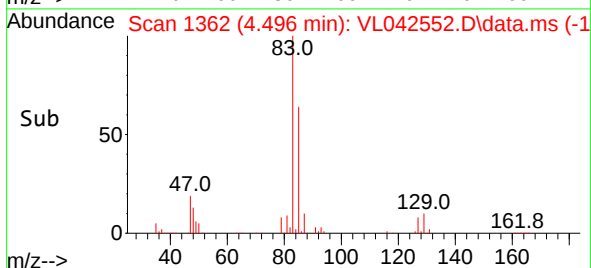
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

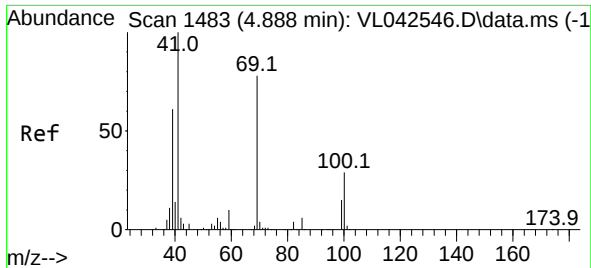


#42
Bromodichloromethane
Concen: 15.213 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



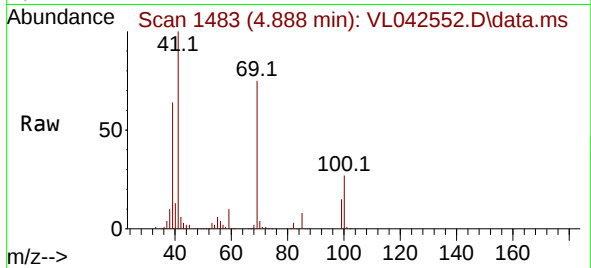
Tgt Ion: 83 Resp: 422662
Ion Ratio Lower Upper
83 100
85 64.2 50.4 75.6
127 7.7 6.5 9.7





#43
Methyl Methacrylate
Concen: 16.781 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

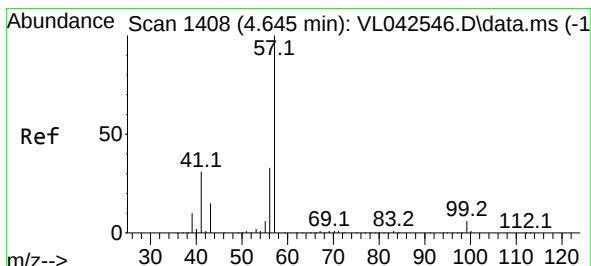
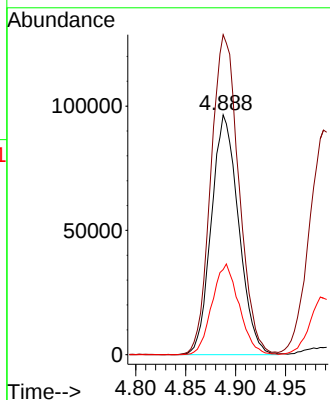
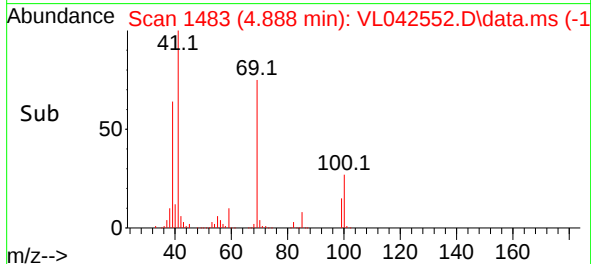
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



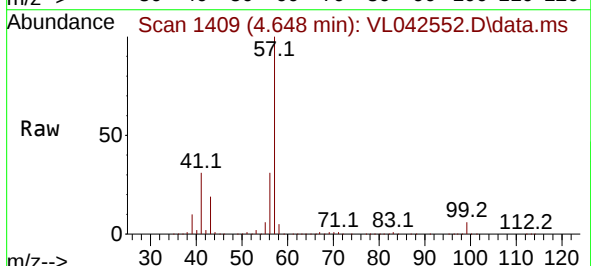
Tgt Ion: 69 Resp: 183189
Ion Ratio Lower Upper
69 100
41 136.7 107.8 161.8
100 37.5 30.3 45.5

Manual Integrations
APPROVED

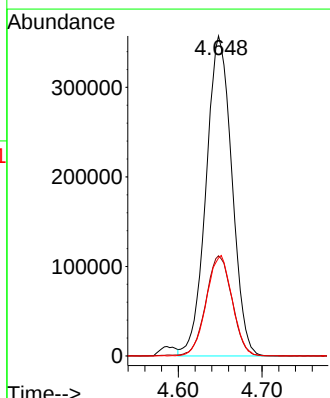
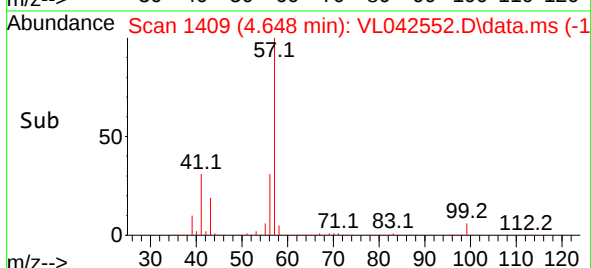
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

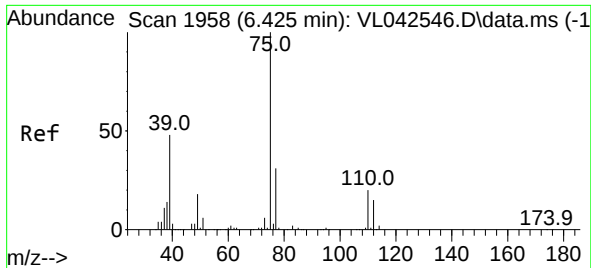


#44
2,2,4-Trimethylpentane
Concen: 15.505 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion: 57 Resp: 764008
Ion Ratio Lower Upper
57 100
41 32.0 25.0 37.4
56 31.4 25.1 37.7





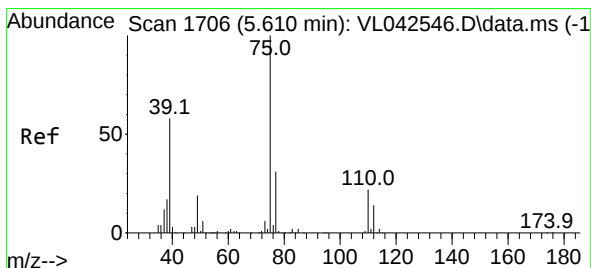
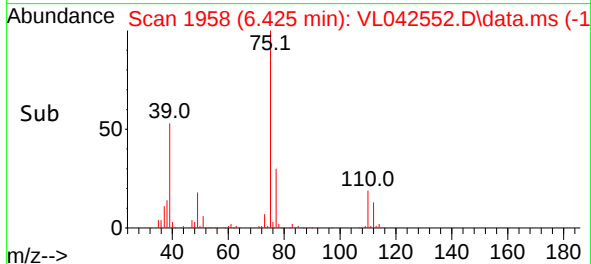
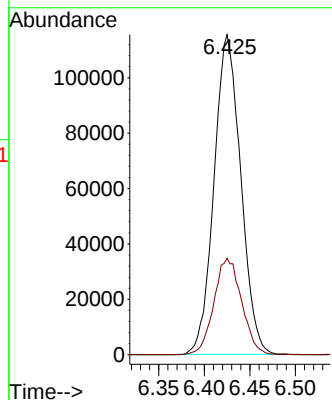
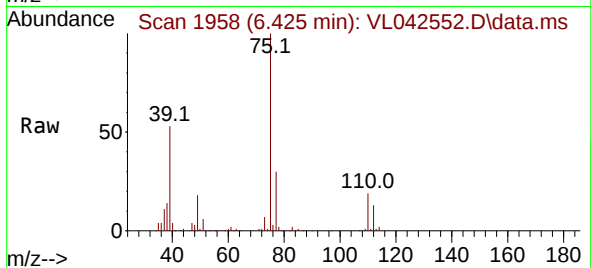
#45
 t-1,3-Dichloropropene
 Concen: 16.900 ppbv
 RT: 6.425 min Scan# 1958
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 75 Resp: 235360
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0

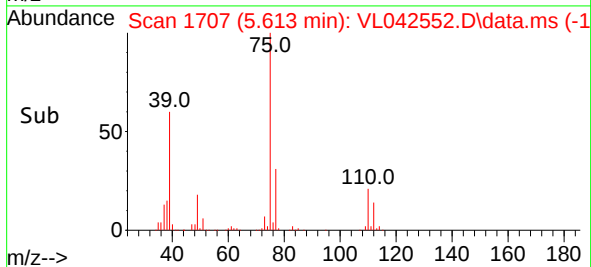
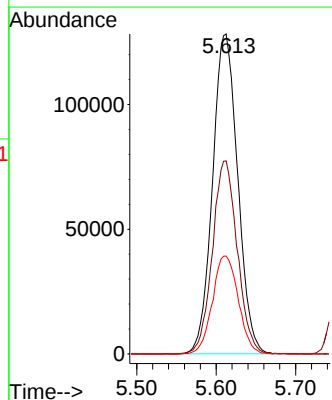
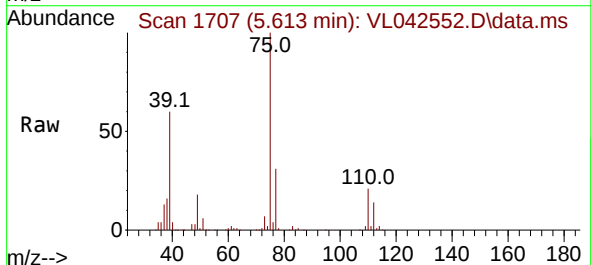
Manual Integrations
 APPROVED

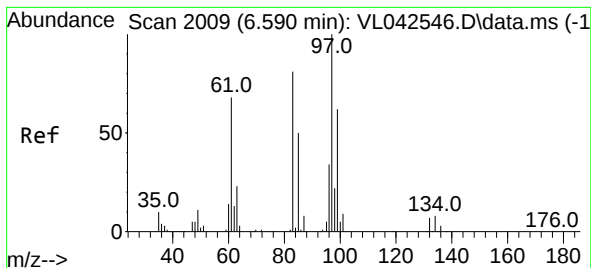
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#46
 cis-1,3-Dichloropropene
 Concen: 16.676 ppbv
 RT: 5.613 min Scan# 1707
 Delta R.T. 0.003 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

Tgt Ion: 75 Resp: 281873
 Ion Ratio Lower Upper
 75 100
 39 60.3 46.3 69.5
 77 30.6 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 14.551 ppbv

RT: 6.593 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 19721

Ion Ratio Lower Upper

97 100

83 83.6 65.0 97.4

85 52.7 39.9 59.9

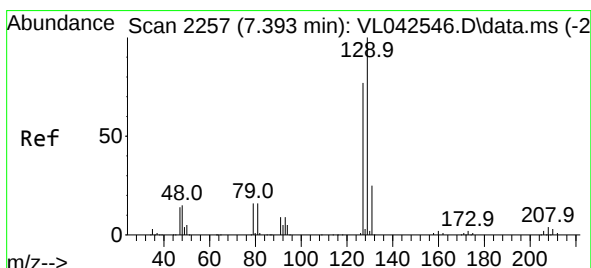
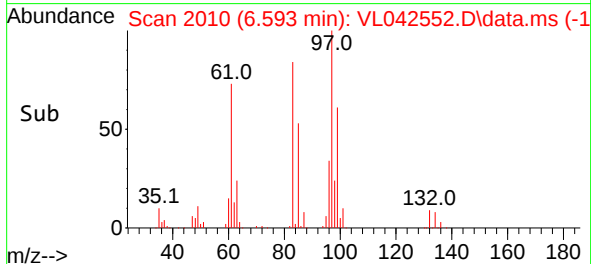
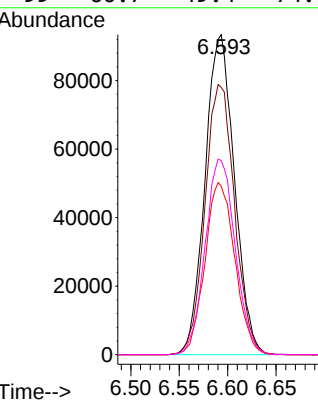
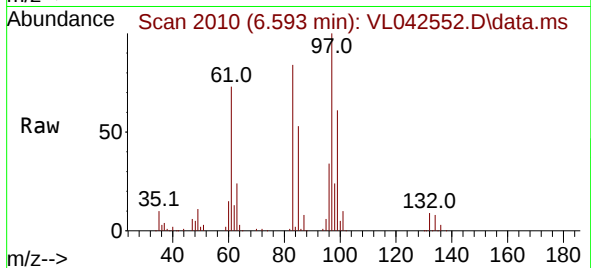
99 60.7 49.4 74.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#48

Dibromochloromethane

Concen: 15.445 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VL042552.D

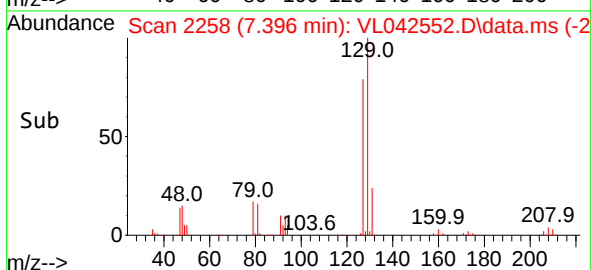
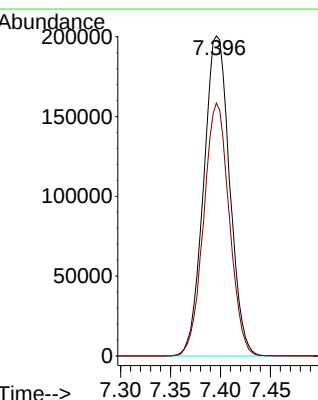
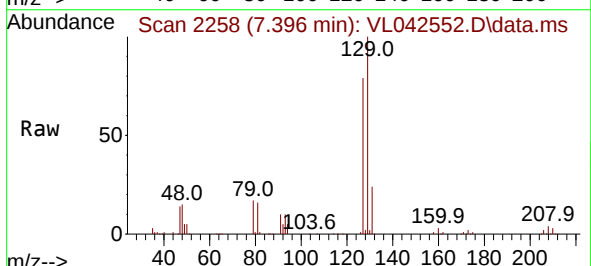
Acq: 20 May 2025 13:28

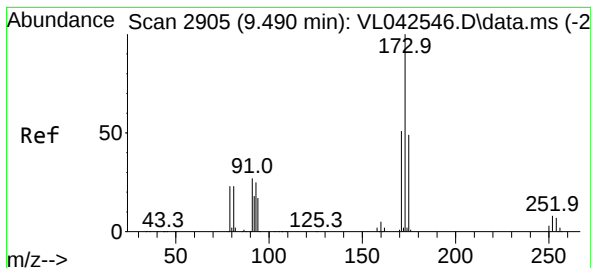
Tgt Ion:129 Resp: 362289

Ion Ratio Lower Upper

129 100

127 77.9 39.0 117.0





#49

Bromoform

Concen: 15.830 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

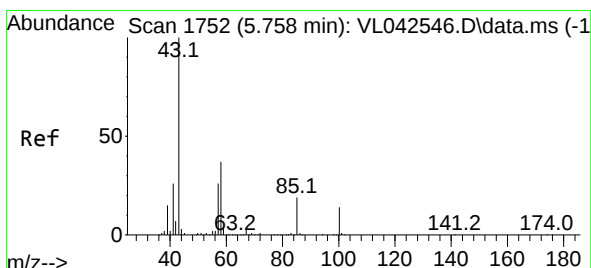
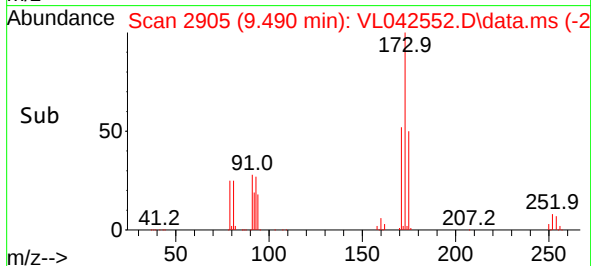
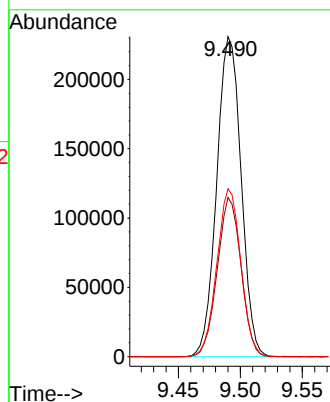
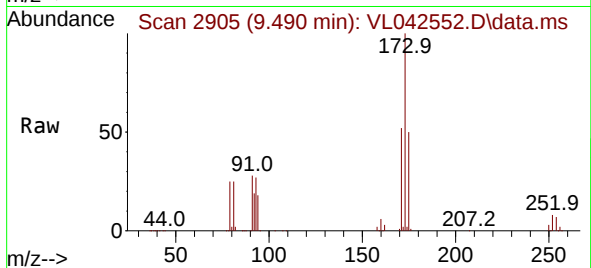
VSTDIC015

Tgt Ion:173 Resp: 31690
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.2 58.8
 171 51.5 41.9 62.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#50

4-Methyl-2-Pentanone

Concen: 16.305 ppbv

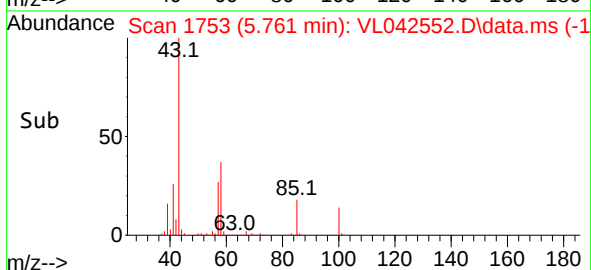
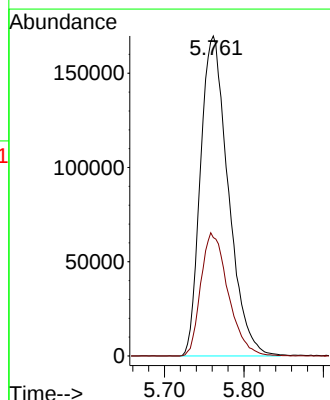
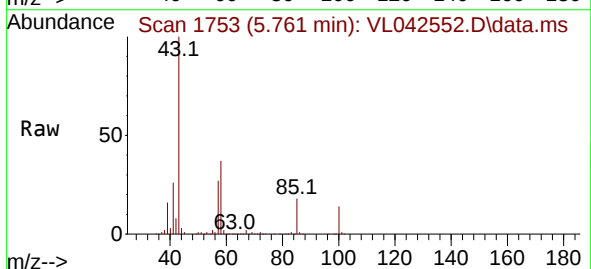
RT: 5.761 min Scan# 1753

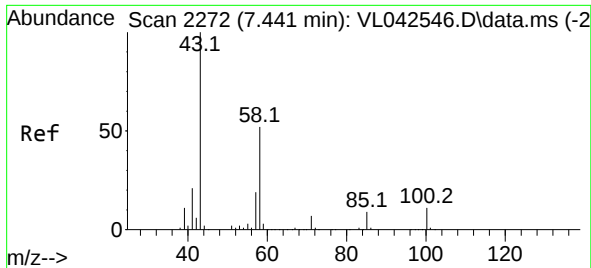
Delta R.T. 0.003 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Tgt Ion: 43 Resp: 412824
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.0 45.0





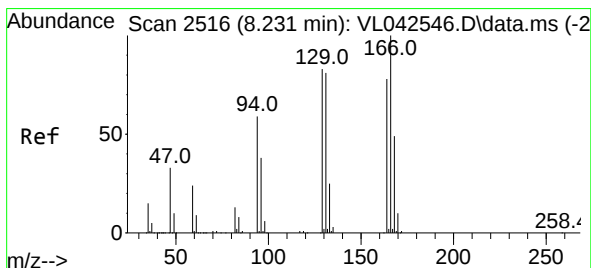
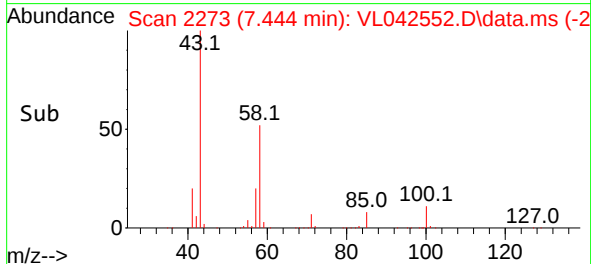
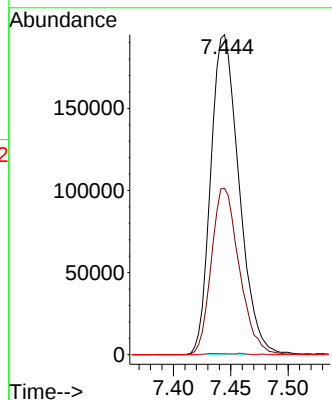
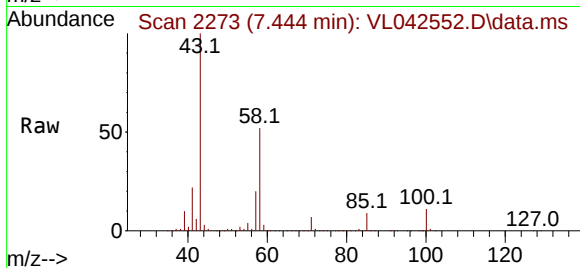
#51
2-Hexanone
Concen: 18.003 ppbv
RT: 7.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 334784
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.2
98 0.6 0.4 0.6

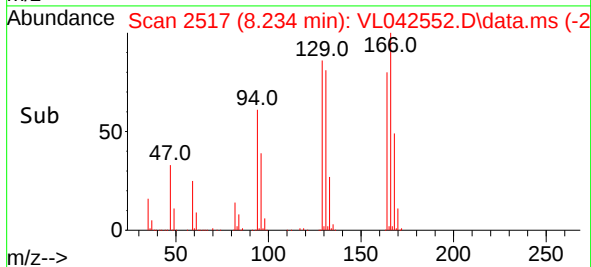
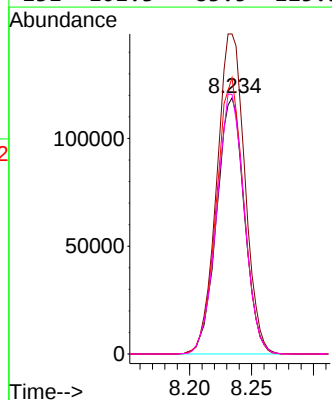
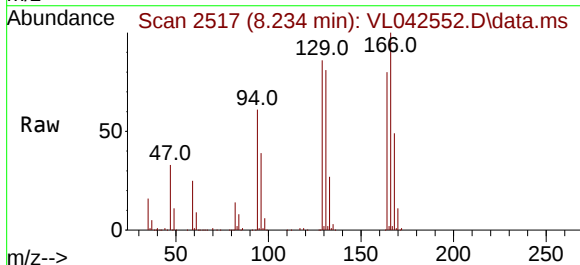
Manual Integrations
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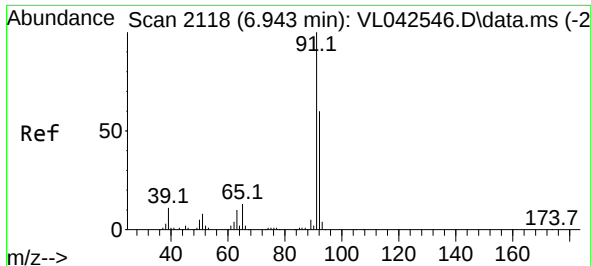
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#52
Tetrachloroethene
Concen: 14.711 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

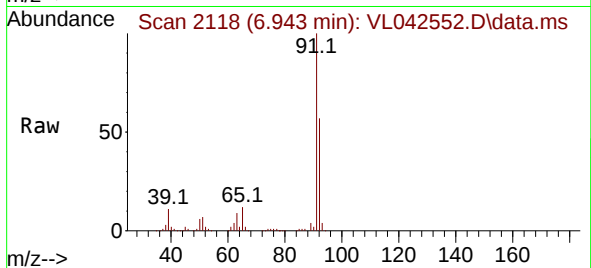
Tgt Ion:164 Resp: 184921
Ion Ratio Lower Upper
164 100
166 124.9 103.1 154.7
129 107.8 85.3 127.9
131 101.3 83.5 125.3





#53
Toluene
Concen: 16.505 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

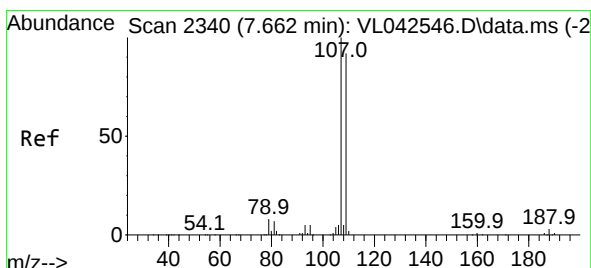
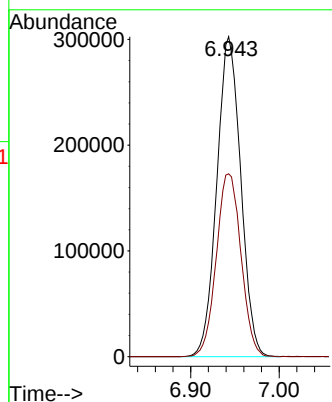
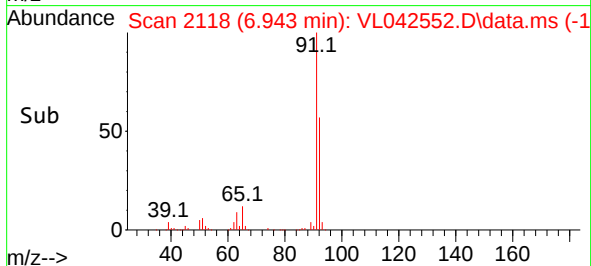
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



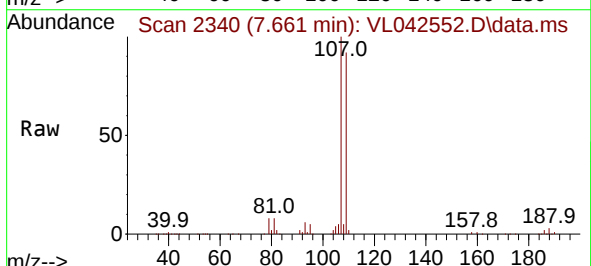
Tgt Ion: 91 Resp: 568692
Ion Ratio Lower Upper
91 100
92 59.0 47.8 71.8

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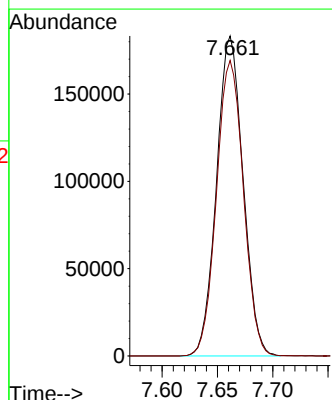
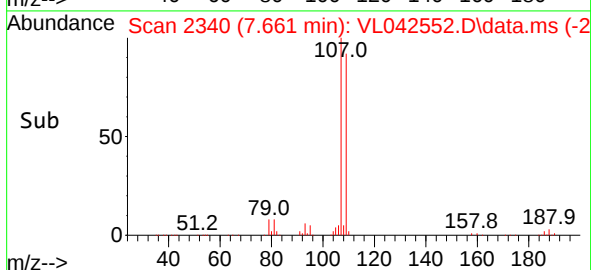
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

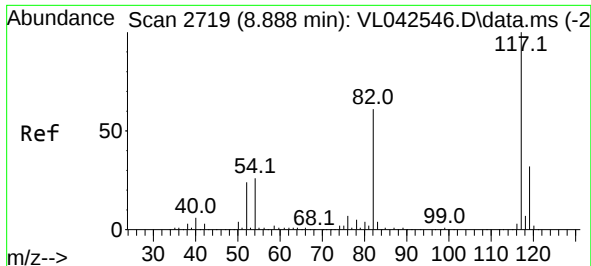


#54
1,2-Dibromoethane
Concen: 15.517 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



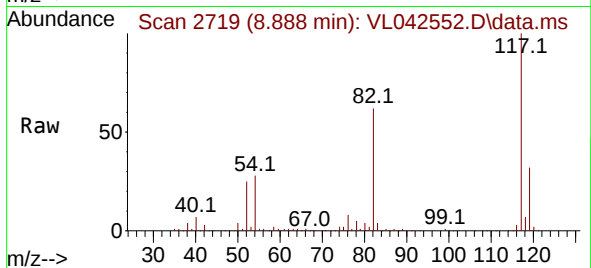
Tgt Ion:107 Resp: 305844
Ion Ratio Lower Upper
107 100
109 92.4 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

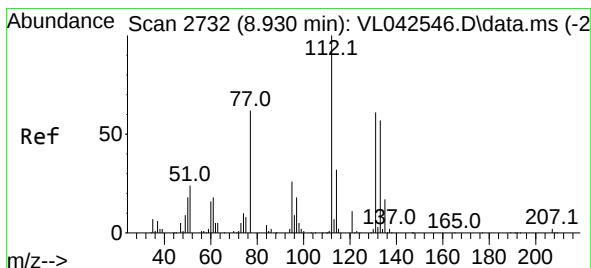
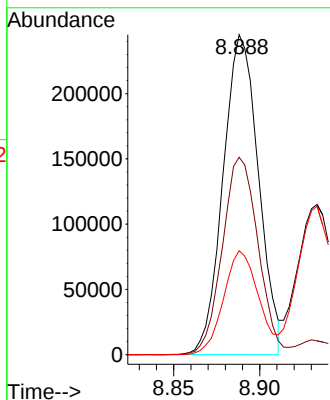
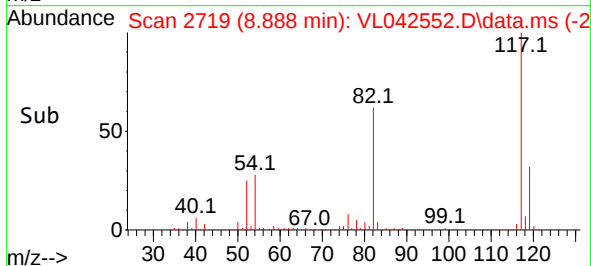
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



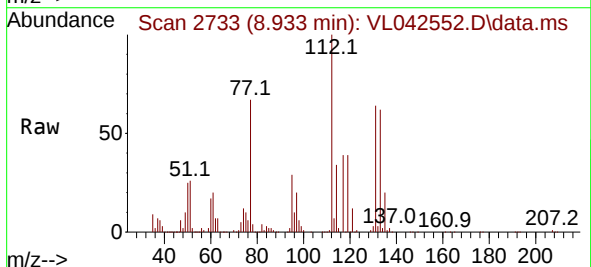
Tgt Ion:117 Resp: 35062
Ion Ratio Lower Upper
117 100
82 62.8 51.0 76.4
119 32.4 27.0 40.4

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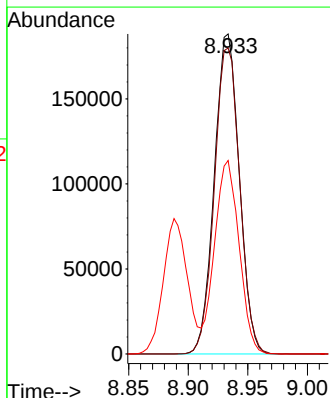
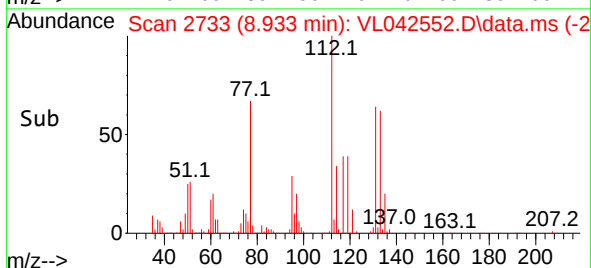
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

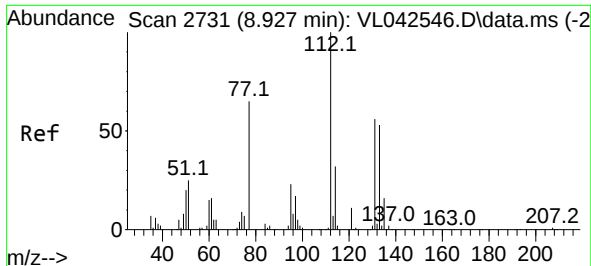


#56
1,1,1,2-Tetrachloroethane
Concen: 14.683 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



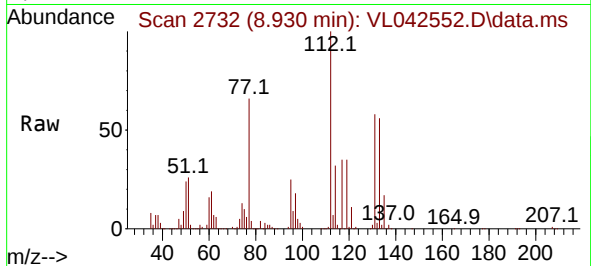
Tgt Ion:131 Resp: 274477
Ion Ratio Lower Upper
131 100
133 97.1 76.3 114.5
119 60.2 47.5 71.3





#57
Chlorobenzene
Concen: 14.595 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

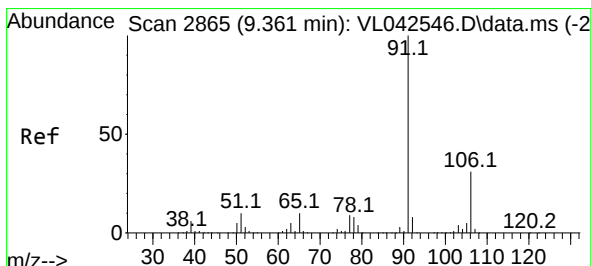
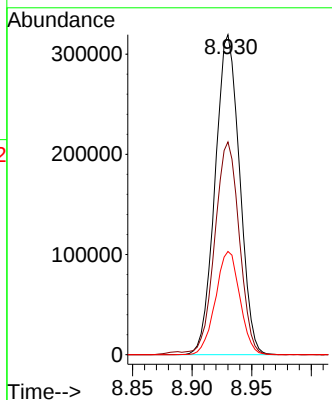
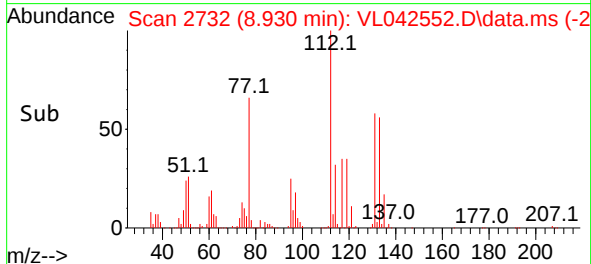
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



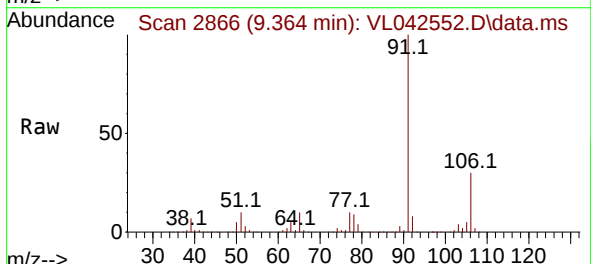
Tgt Ion: 112 Resp: 45583
Ion Ratio Lower Upper
112 100
77 66.5 53.2 79.8
114 32.2 28.4 34.8

Manual Integrations
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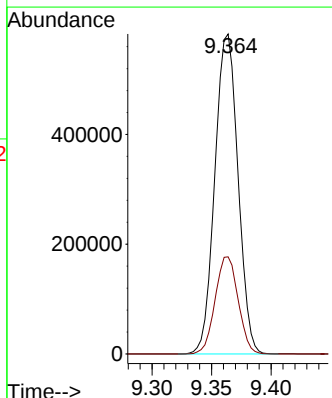
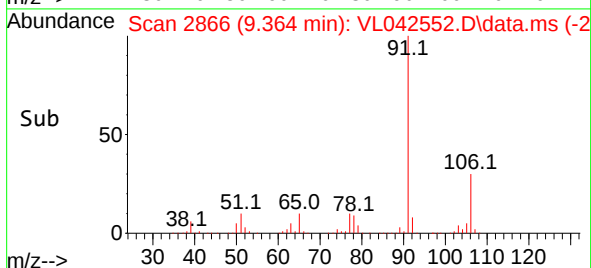
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

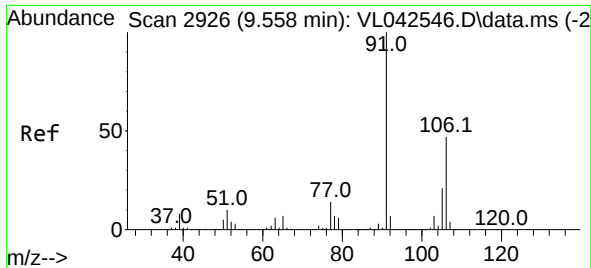


#58
Ethyl Benzene
Concen: 17.137 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion: 91 Resp: 786590
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0





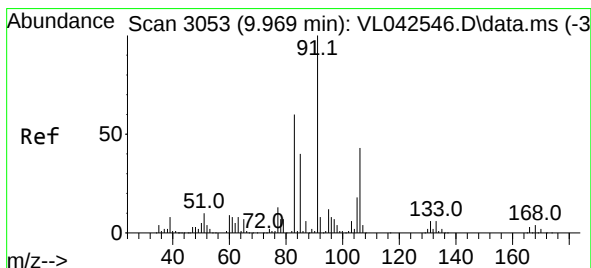
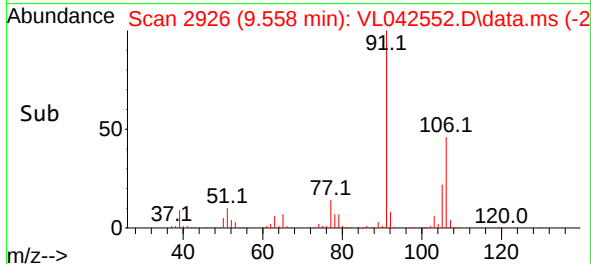
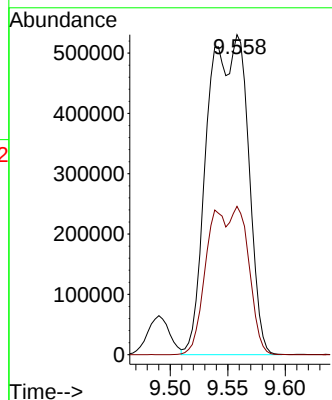
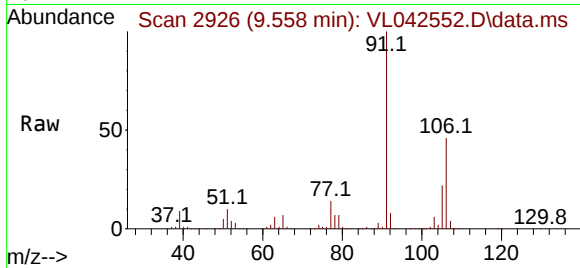
#59
m/p-Xylene
Concen: 33.312 ppbv m
RT: 9.558 min Scan# 2926
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 1304200
Ion Ratio Lower Upper
91 100
106 46.3 37.1 55.7

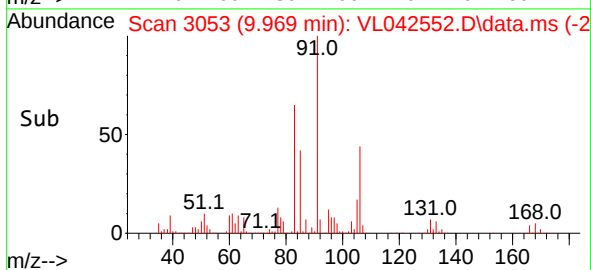
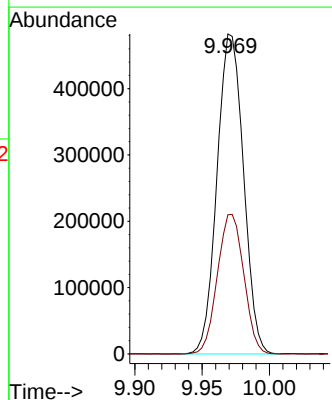
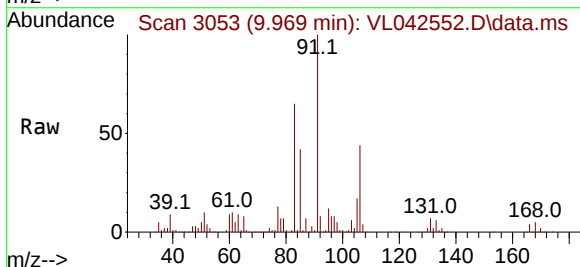
Manual Integrations
APPROVED

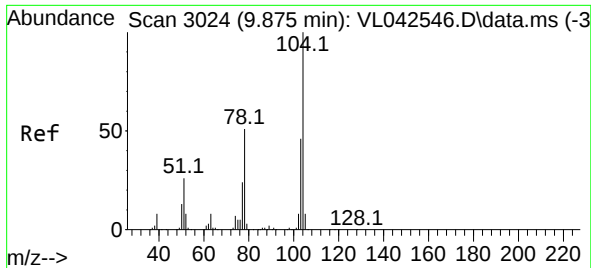
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#60
o-Xylene
Concen: 16.994 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

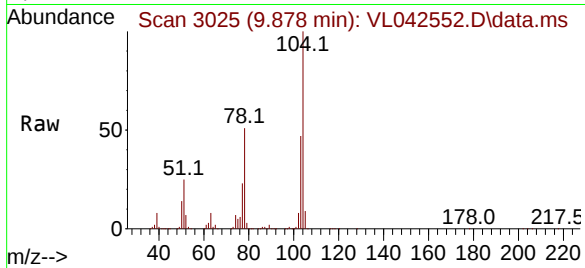
Tgt Ion: 91 Resp: 658622
Ion Ratio Lower Upper
91 100
106 43.5 21.6 64.8





#61
Styrene
Concen: 19.086 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

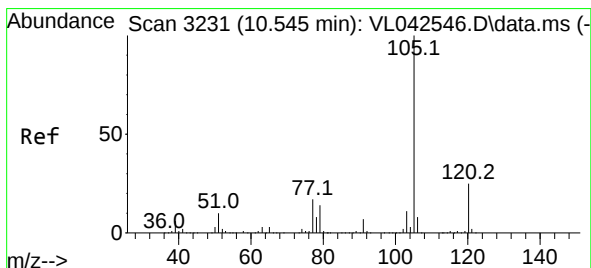
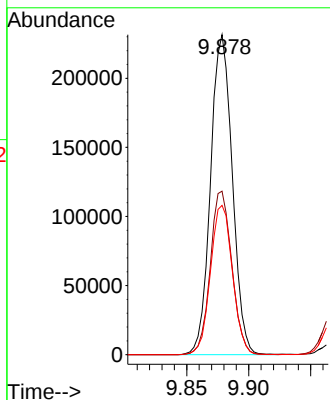
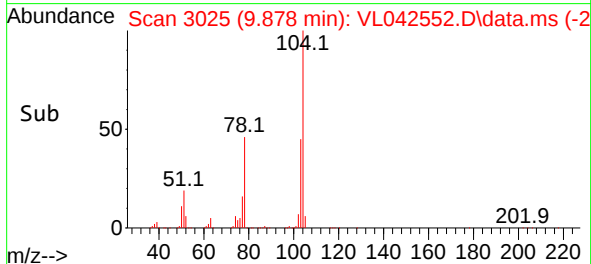
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



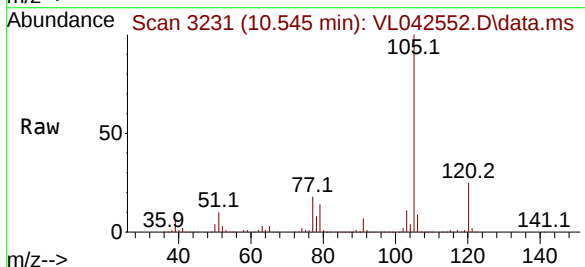
Tgt Ion:104 Resp: 28361
Ion Ratio Lower Upper
104 100
78 50.7 39.2 58.8
103 47.1 37.1 55.7

Manual Integrations
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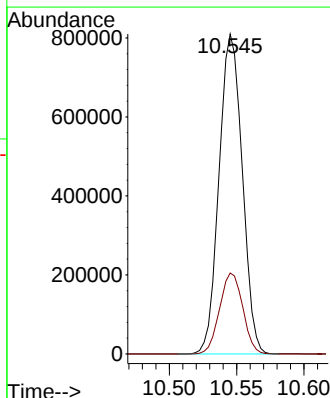
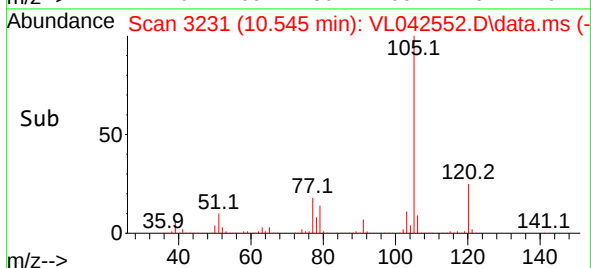
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

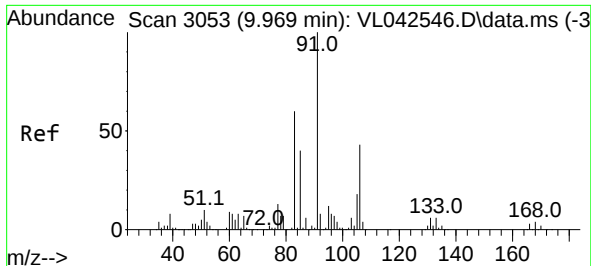


#62
Isopropylbenzene
Concen: 16.342 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion:105 Resp: 970711
Ion Ratio Lower Upper
105 100
120 25.2 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 15.311 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 395110

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

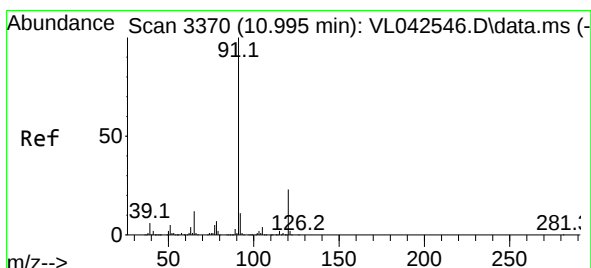
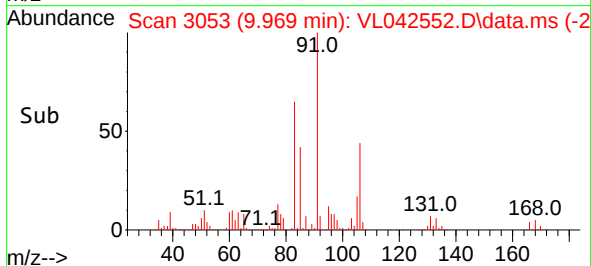
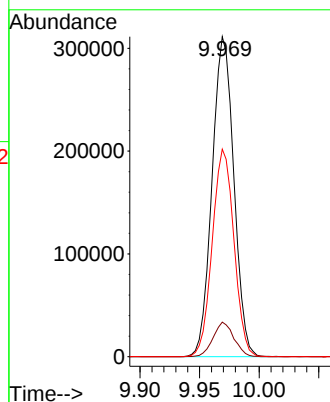
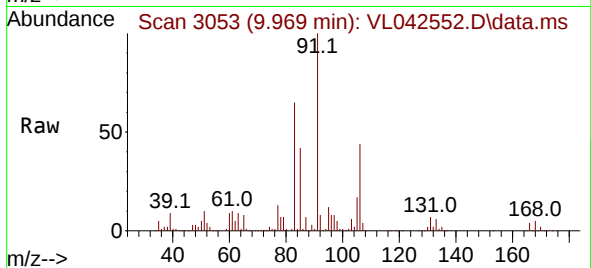
85 64.5 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#64

n-propylbenzene

Concen: 16.972 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. -0.000 min

Lab File: VL042552.D

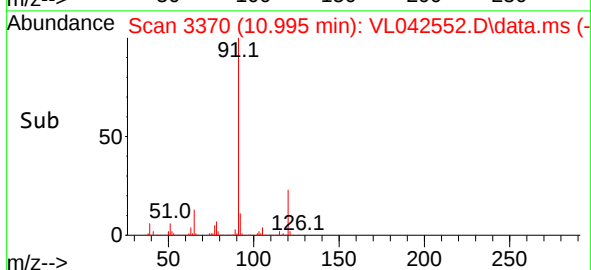
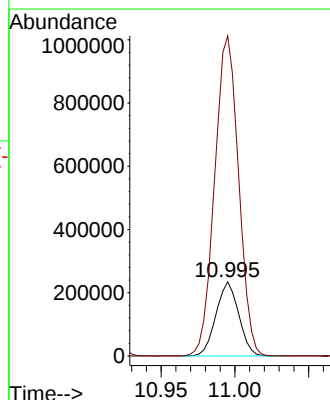
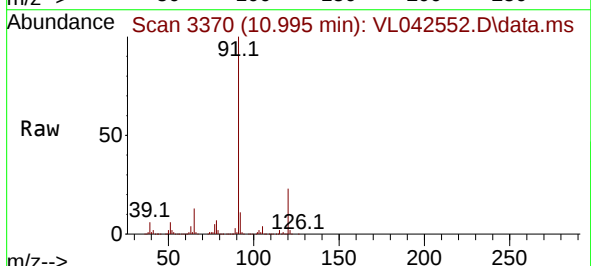
Acq: 20 May 2025 13:28

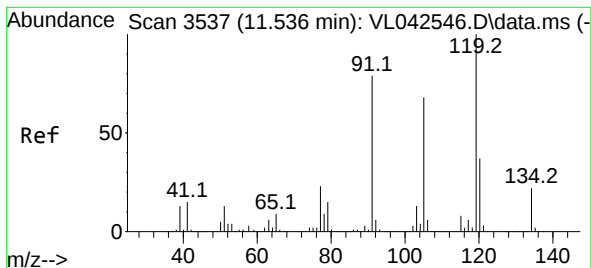
Tgt Ion:120 Resp: 251118

Ion Ratio Lower Upper

120 100

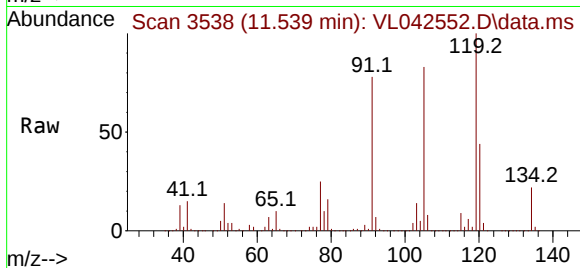
91 454.6 367.0 550.4





#65
tert-Butylbenzene
Concen: 16.622 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

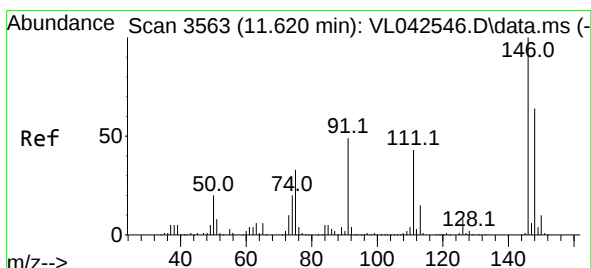
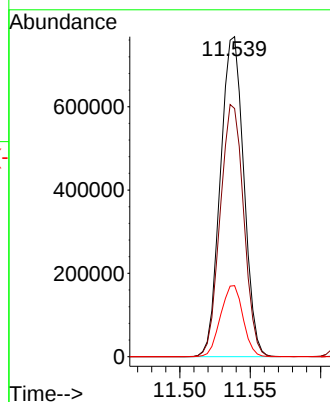
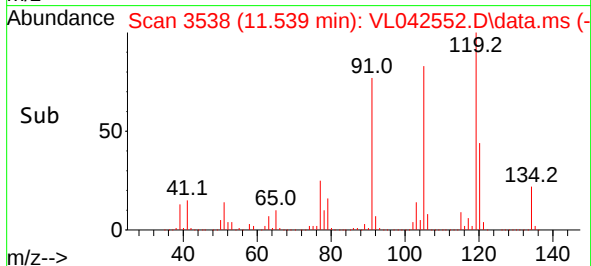
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



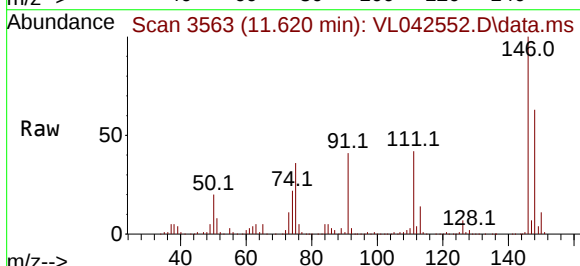
Tgt Ion:119 Resp: 888078
Ion Ratio Lower Upper
119 100
91 79.2 62.7 94.1
134 21.3 16.8 25.2

Manual Integrations
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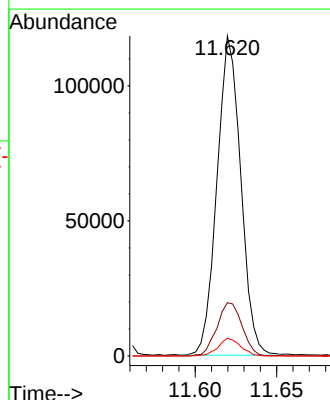
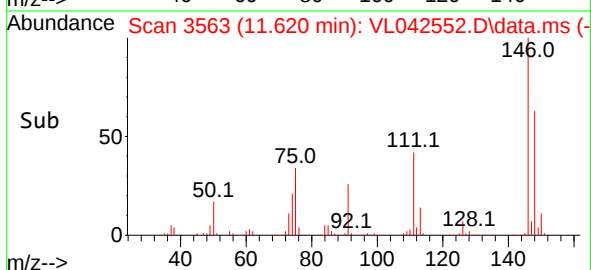
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

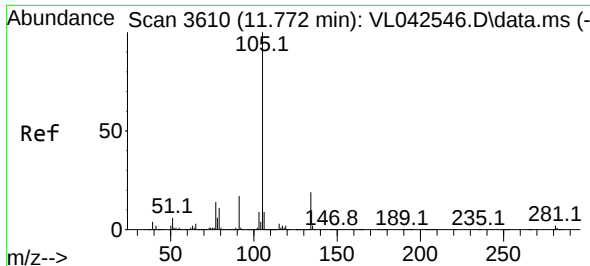


#66
Benzyl Chloride
Concen: 17.905 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



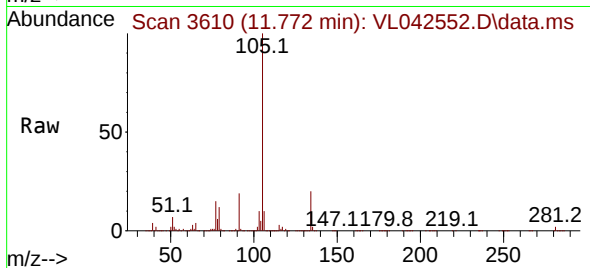
Tgt Ion: 91 Resp: 119686
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.2
128 5.2 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 15.923 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

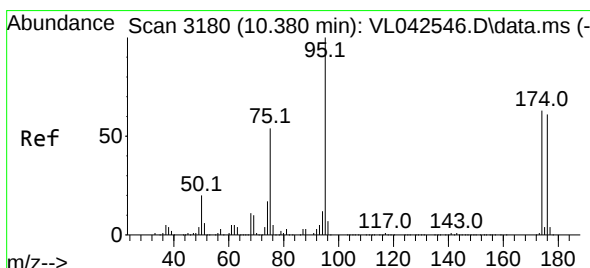
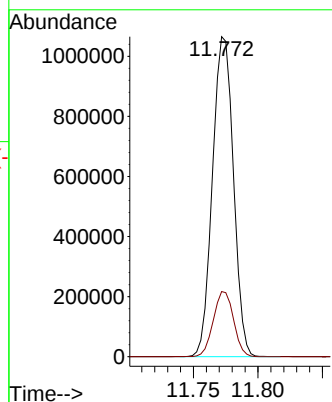
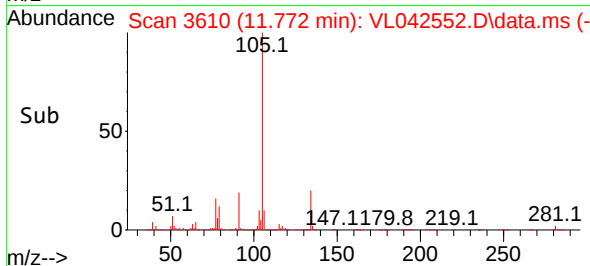
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



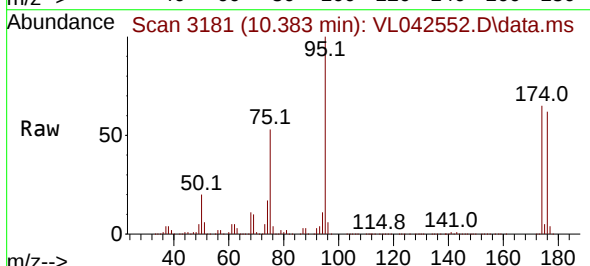
Tgt Ion: 105 Resp: 120084
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.4 23.2

Manual Integrations
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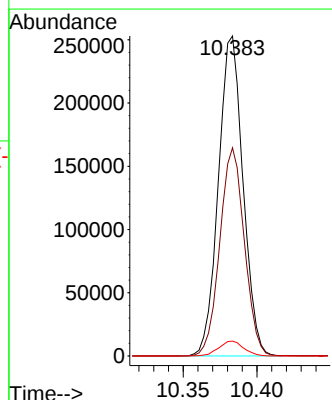
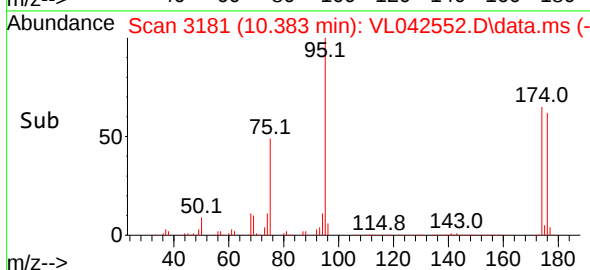
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

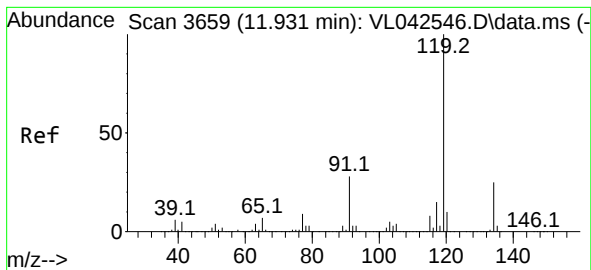


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.467 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28



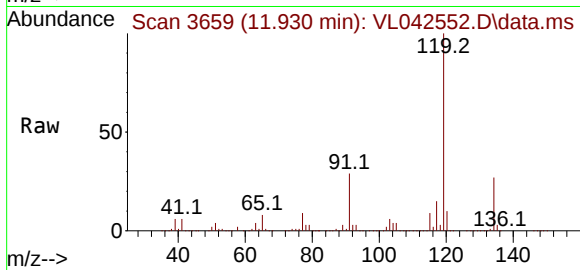
Tgt Ion: 95 Resp: 293707
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.0 78.0
 175 4.7 3.8 5.6





#69
p-Isopropyltoluene
Concen: 16.890 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

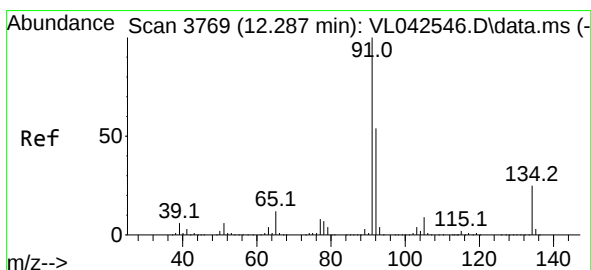
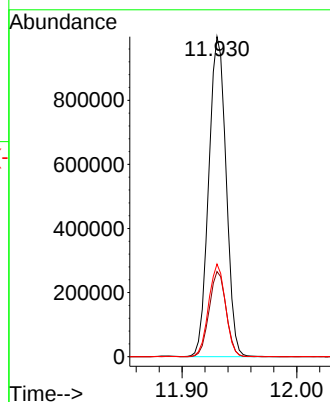
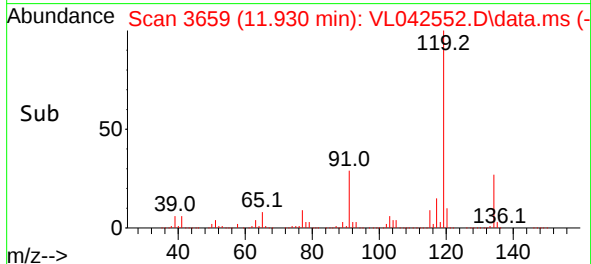
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



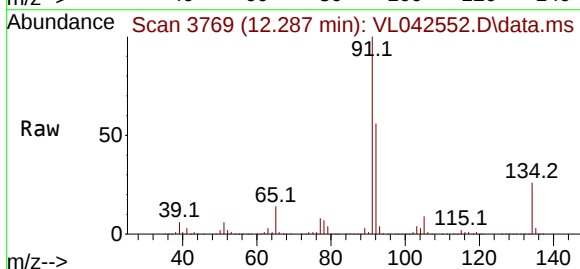
Tgt Ion: 119 Resp: 105194
Ion Ratio Lower Upper
119 100
134 25.9 20.1 30.1
91 28.1 22.3 33.5

Manual Integrations
APPROVED

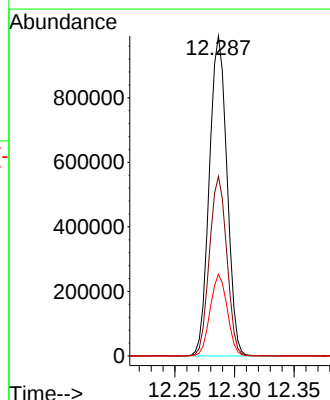
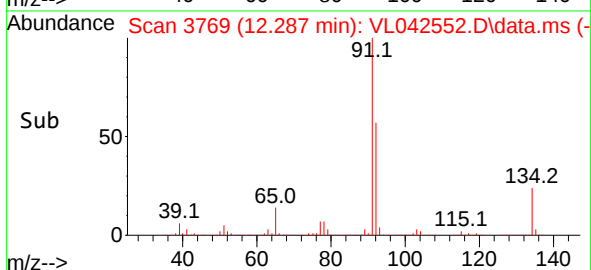
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

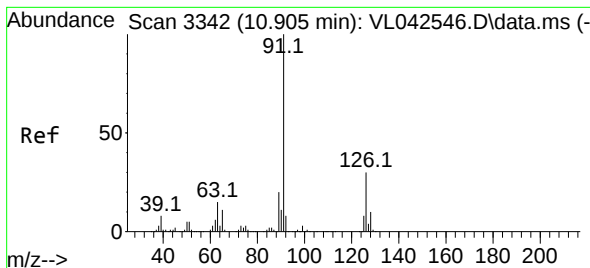


#70
n-Butylbenzene
Concen: 17.345 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



Tgt Ion: 91 Resp: 1020679
Ion Ratio Lower Upper
91 100
92 55.2 43.8 65.6
134 24.7 19.7 29.5





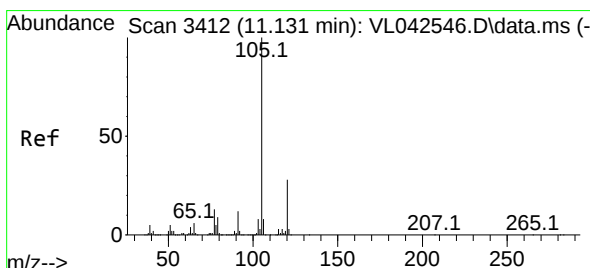
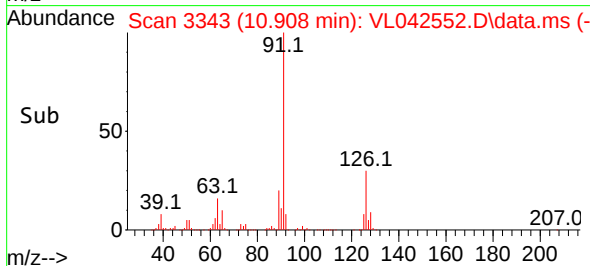
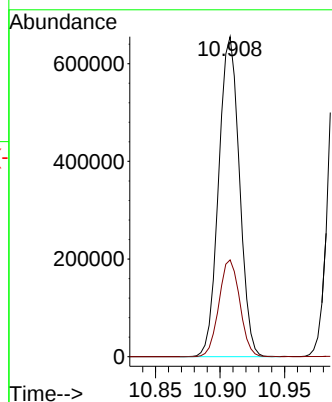
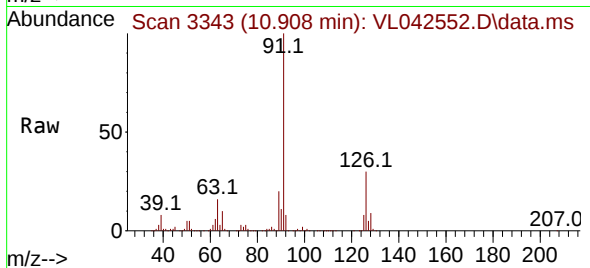
#71
2-Chlorotoluene
Concen: 17.103 ppbv
RT: 10.908 min Scan# 3115
Delta R.T. 0.003 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 731158
Ion Ratio Lower Upper
91 100
126 30.4 12.4 49.4

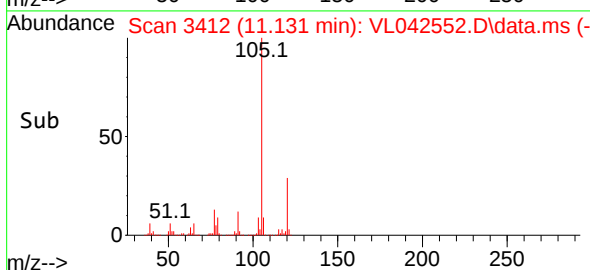
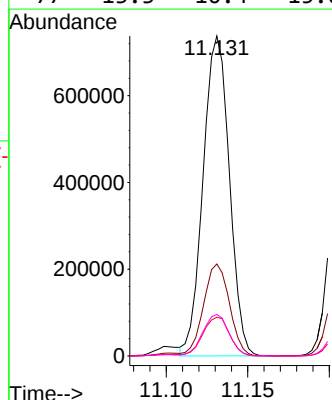
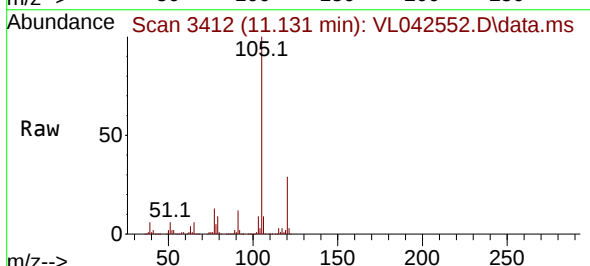
Manual Integrations
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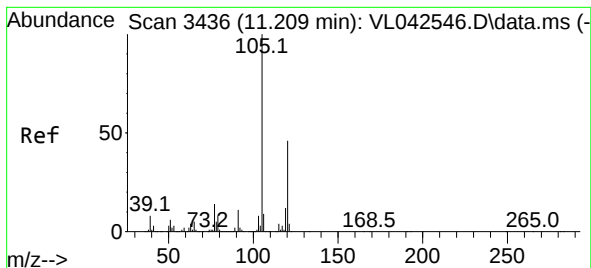
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#72
4-Ethyltoluene
Concen: 17.217 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

Tgt Ion:105 Resp: 825454
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 12.7 10.2 15.4
77 13.3 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 16.853 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 698980

Ion Ratio Lower Upper

105 100

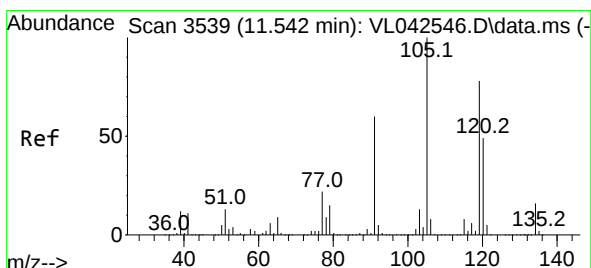
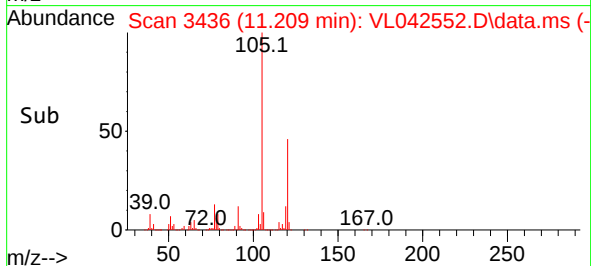
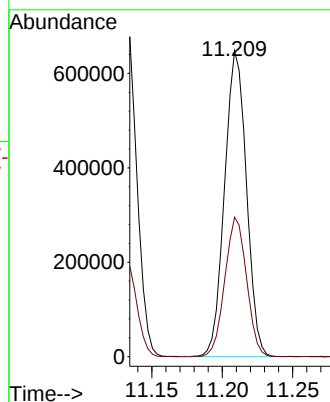
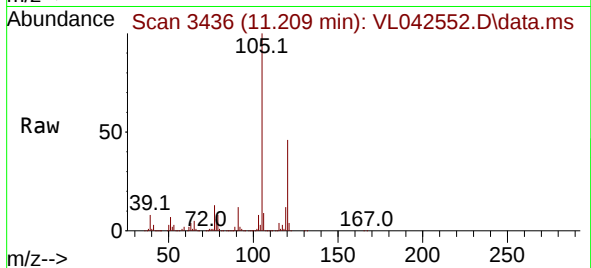
120 45.6 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 15.683 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Tgt Ion:105 Resp: 784348

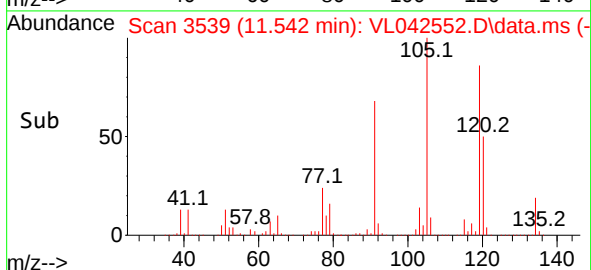
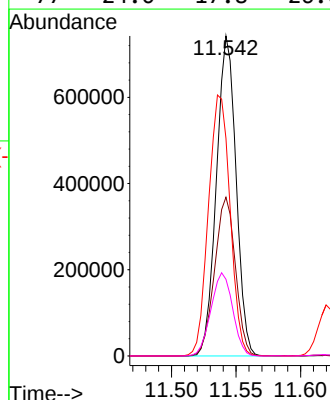
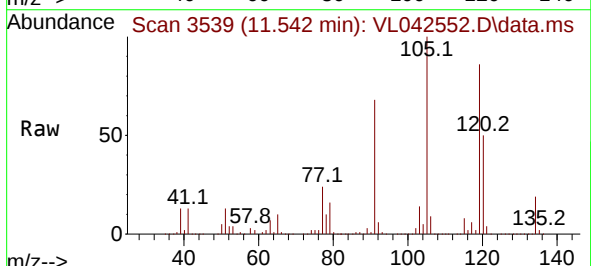
Ion Ratio Lower Upper

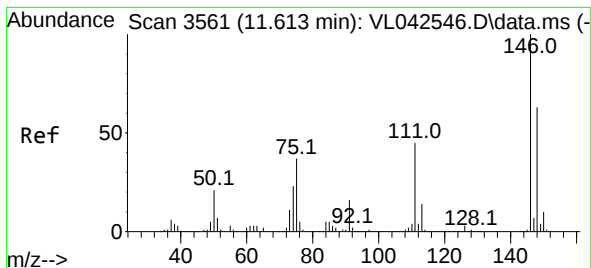
105 100

120 49.6 39.4 59.0

91 67.9 47.8 71.8

77 24.0 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 15.334 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 47328

Ion Ratio Lower Upper

146 100

111 46.0 22.8 68.4

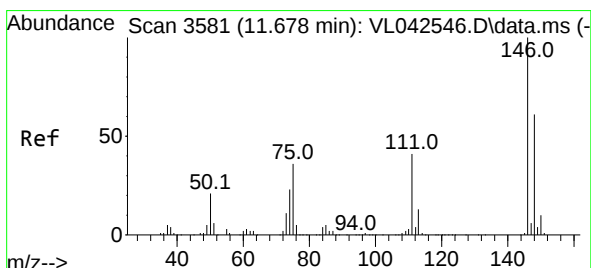
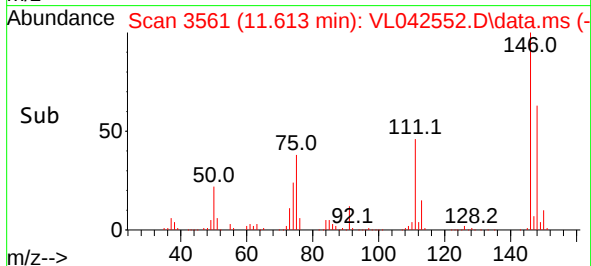
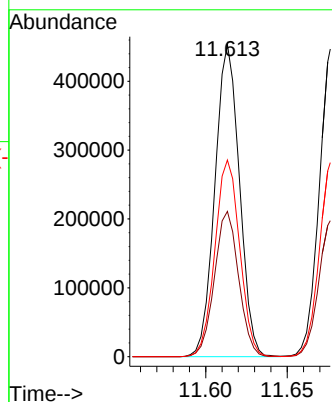
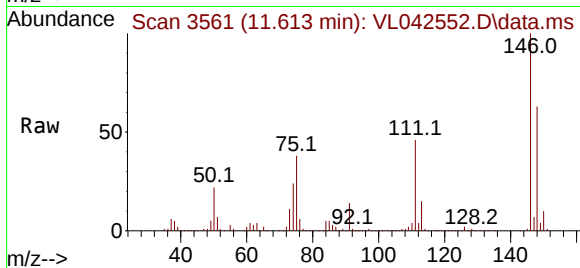
148 63.7 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#76

1,4-Dichlorobenzene

Concen: 15.877 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

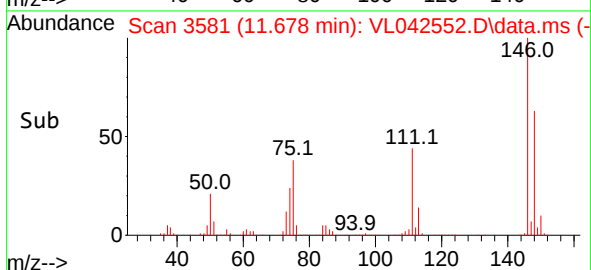
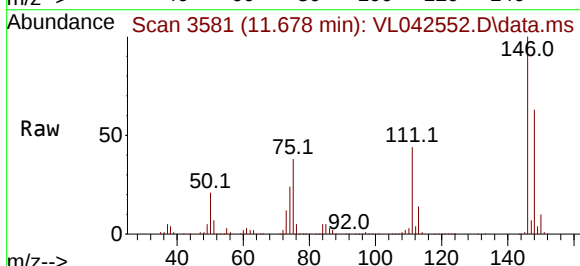
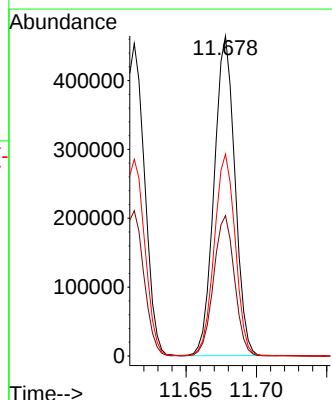
Tgt Ion:146 Resp: 475904

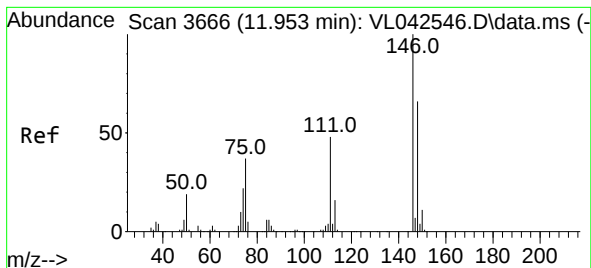
Ion Ratio Lower Upper

146 100

111 44.4 21.8 65.3

148 64.1 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 14.926 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

Instrument :

MSVOA_L

ClientSampleId :

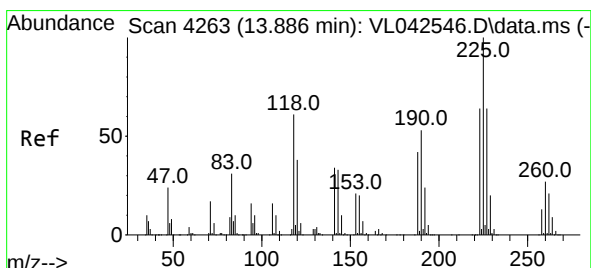
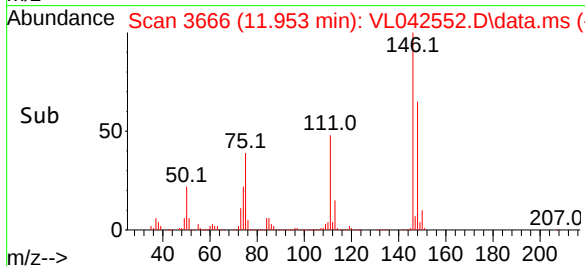
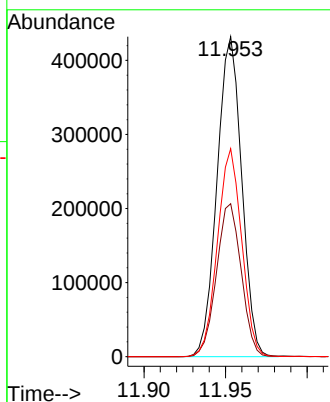
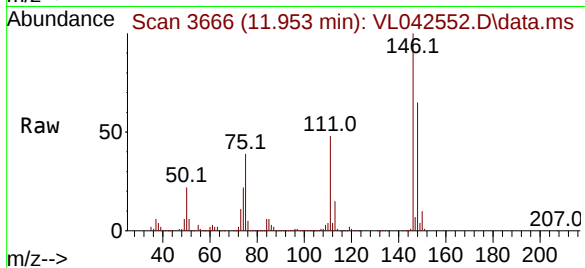
VSTDIC015

Tgt Ion:	146	Resp:	453934
Ion Ratio	Lower	Upper	
146	100		
111	48.1	23.7	71.1
148	64.0	32.3	96.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#78

Hexachloro-1,3-Butadiene

Concen: 14.038 ppbv

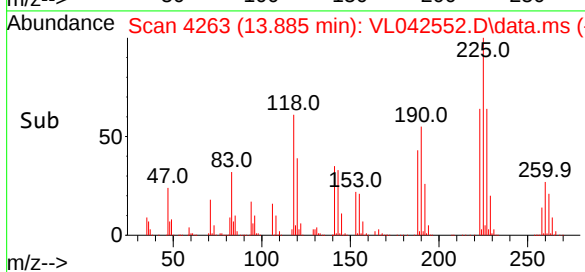
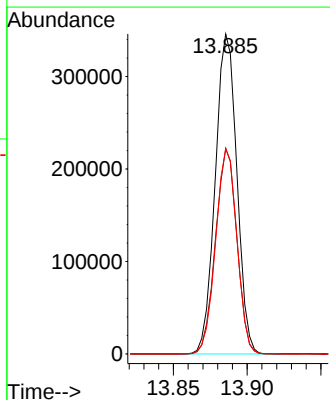
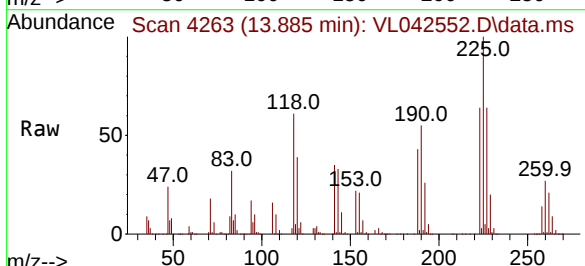
RT: 13.885 min Scan# 4263

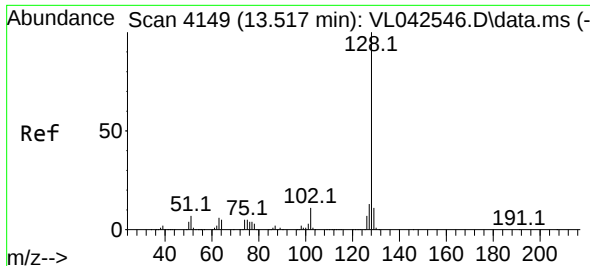
Delta R.T. -0.000 min

Lab File: VL042552.D

Acq: 20 May 2025 13:28

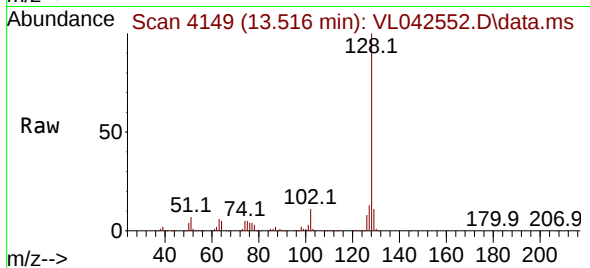
Tgt Ion:	225	Resp:	352631
Ion Ratio	Lower	Upper	
225	100		
223	63.4	51.0	76.6
227	63.1	50.2	75.4





#79
Naphthalene
Concen: 19.731 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28

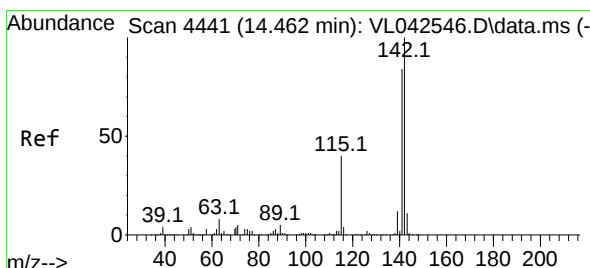
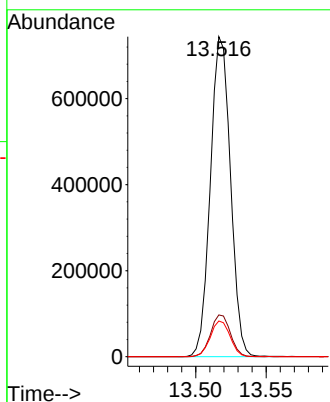
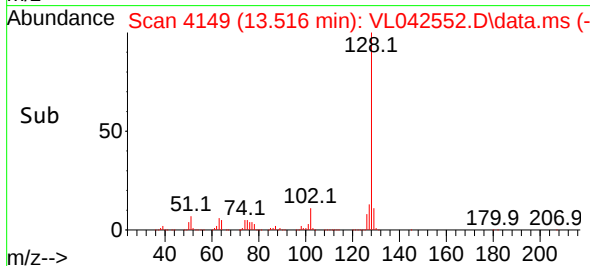
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



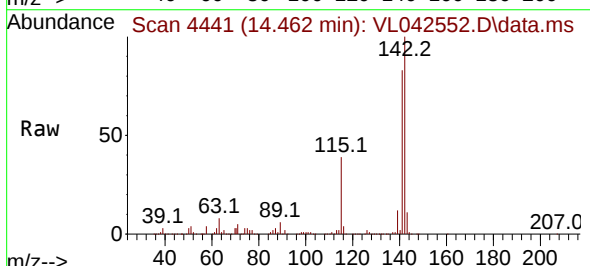
Tgt Ion:128 Resp: 738639
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.1 9.0 13.4

Manual Integrations
APPROVED

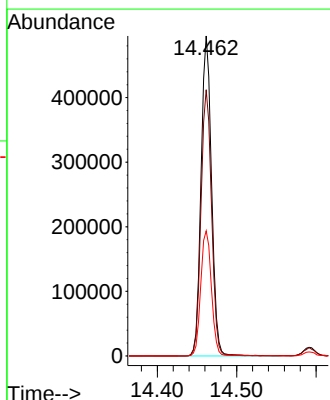
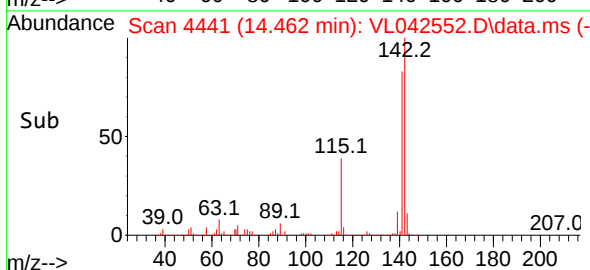
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

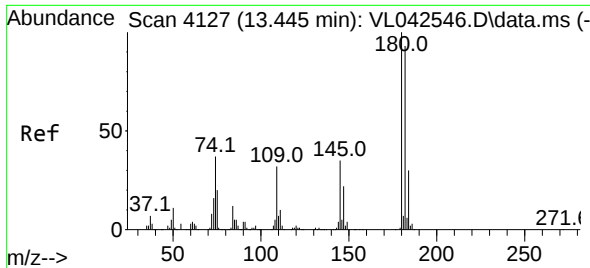


#80
Naphthalene,2-methyl-
Concen: 23.660 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. -0.000 min
Lab File: VL042552.D
Acq: 20 May 2025 13:28



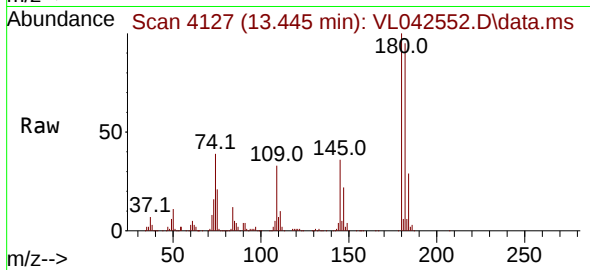
Tgt Ion:142 Resp: 456676
Ion Ratio Lower Upper
142 100
141 84.0 67.4 101.0
115 39.9 31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 17.736 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042552.D
 Acq: 20 May 2025 13:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 399239
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.6 113.4
 184 30.2 23.7 35.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

