

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042617.D
 Acq On : 05 Jun 2025 12:03
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Quant Time: Jun 06 01:39:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2025
 Supervised By : Mahesh Dadoda 06/06/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	101439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	270217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	241612	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	183730	10.144	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	6360	0.510	ppbv	95
3) Chlorodifluoromethane	1.479	51	9552	0.556	ppbv	96
4) Chloromethane	1.534	50	2335	0.473	ppbv	92
5) Vinyl Chloride	1.583	62	2547	0.506	ppbv #	83
6) Bromomethane	1.670	94	1222	0.499	ppbv	88
7) Chloroethane	1.706	64	957	0.490	ppbv #	82
8) Dichlorotetrafluoroethane	1.557	85	5481	0.528	ppbv	92
9) Propene	1.486	41	3572	0.517	ppbv	99
10) Heptane	4.994	43	8222m	0.422	ppbv	
11) Trichlorofluoromethane	1.881	101	6114	0.527	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	4560	0.501	ppbv	88
13) Ethanol	1.725	45	624	0.757	ppbv	71
14) Bromoethene	1.784	108	1992	0.581	ppbv #	80
15) Acetone	1.839	43	7720	0.632	ppbv	98
16) 1,3-Butadiene	1.612	39	3231	0.558	ppbv	90
17) tert-Butyl alcohol	2.049	59	5793	0.455	ppbv #	94
18) 1,1-Dichloroethene	2.036	96	2206m	0.522	ppbv	
19) Isopropyl Alcohol	1.891	45	3722	0.510	ppbv #	74
20) Methylene Chloride	2.065	84	2449	0.607	ppbv #	89
21) Allyl Chloride	2.101	41	3907	0.453	ppbv #	76
22) trans-1,2-Dichloroethene	2.344	96	2257	0.479	ppbv	83
23) Vinyl Acetate	2.467	43	10866	0.658	ppbv #	91
24) 1,1-Dichloroethane	2.415	63	4838	0.499	ppbv #	95
25) Ethyl Acetate	2.845	43	16061	0.480	ppbv	97
26) Hexane	2.832	57	6099	0.401	ppbv #	76
27) Carbon Disulfide	2.156	76	5513	0.473	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3159	0.512	ppbv	99
29) Chloroform	2.852	83	10433	0.528	ppbv	90
30) Cyclohexane	3.868	84	5073m	0.403	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	6668	0.480	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	9567m	0.474	ppbv	
34) 2-Butanone	2.564	43	11155	0.579	ppbv	98
35) Carbon Tetrachloride	3.774	117	9310	0.522	ppbv #	86
36) Benzene	3.664	78	13395	0.503	ppbv	99
37) 1,2-Dichloroethane	3.221	62	7911	0.598	ppbv	99
38) Trichloroethene	4.561	130	5608	0.496	ppbv #	86
39) 1,2-Dichloropropane	4.318	63	5166	0.525	ppbv	91
40) 1,4-Dioxane	4.616	88	2434m	0.553	ppbv	
41) Tetrahydrofuran	3.069	42	5061	0.449	ppbv	96
42) Bromodichloromethane	4.502	83	10374	0.552	ppbv	97
43) Methyl Methacrylate	4.901	69	4122m	0.399	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	21138	0.464	ppbv	95
45) t-1,3-Dichloropropene	6.435	75	4864m	0.412	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 06 01:39:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

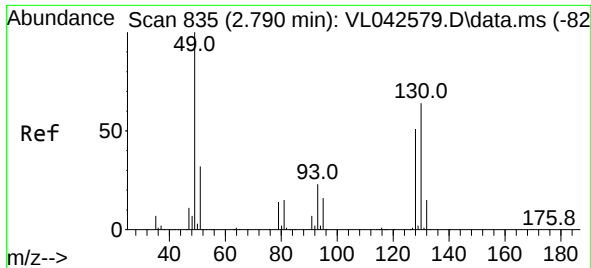
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

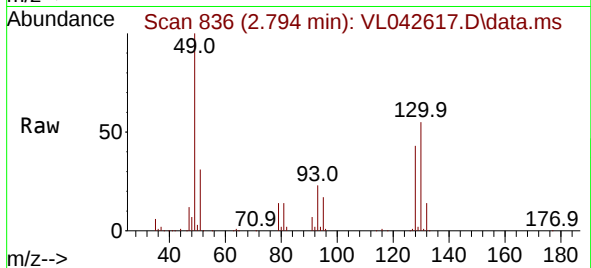
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	6385m	0.431	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	5250m	0.515	ppbv	
48) Dibromochloromethane	7.393	129	8310m	0.510	ppbv	
49) Bromoform	9.493	173	6666	0.474	ppbv	95
50) 4-Methyl-2-Pentanone	5.784	43	12304m	0.460	ppbv	
51) 2-Hexanone	7.454	43	7986	0.377	ppbv #	93
52) Tetrachloroethene	8.231	164	4877	0.490	ppbv	85
53) Toluene	6.943	91	12731	0.414	ppbv	99
54) 1,2-Dibromoethane	7.661	107	7303m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	6652m	0.548	ppbv	
57) Chlorobenzene	8.930	112	12446	0.531	ppbv	92
58) Ethyl Benzene	9.361	91	17127	0.418	ppbv	95
59) m/p-Xylene	9.561	91	26746m	0.829	ppbv	
60) o-Xylene	9.972	91	13877	0.431	ppbv	98
61) Styrene	9.882	104	5106	0.336	ppbv	92
62) Isopropylbenzene	10.549	105	21078	0.444	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	10883	0.532	ppbv	99
64) n-propylbenzene	10.995	120	5325	0.418	ppbv	97
65) tert-Butylbenzene	11.539	119	16908	0.392	ppbv	91
66) Benzyl Chloride	11.623	91	1724m	0.311	ppbv	
67) sec-Butylbenzene	11.775	105	26028	0.429	ppbv	98
69) p-Isopropyltoluene	11.931	119	19506	0.384	ppbv	97
70) n-Butylbenzene	12.290	91	19163	0.382	ppbv	91
71) 2-Chlorotoluene	10.908	91	14866	0.410	ppbv	99
72) 4-Ethyltoluene	11.131	105	15819m	0.394	ppbv	
73) 1,3,5-Trimethylbenzene	11.209	105	13664	0.412	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	15441	0.419	ppbv	90
75) 1,3-Dichlorobenzene	11.613	146	11403	0.493	ppbv	95
76) 1,4-Dichlorobenzene	11.678	146	10641	0.461	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	11615	0.517	ppbv	95
78) Hexachloro-1,3-Butadiene	13.889	225	9667	0.520	ppbv	95
79) Naphthalene	13.520	128	7316m	0.211	ppbv	
80) Naphthalene,2-methyl-	14.468	142	757	0.048	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.445	180	4619	0.238	ppbv	93

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 811
Delta R.T. 0.004 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

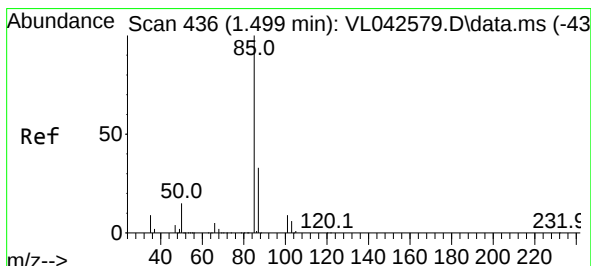
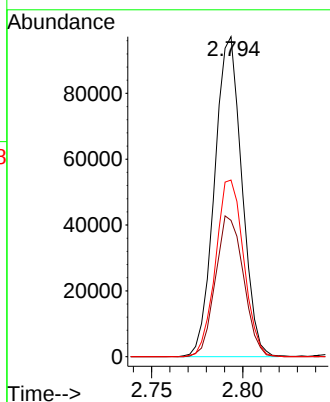
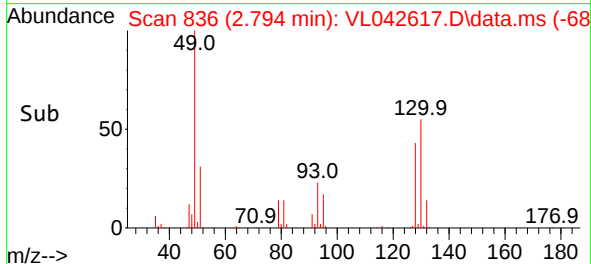
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



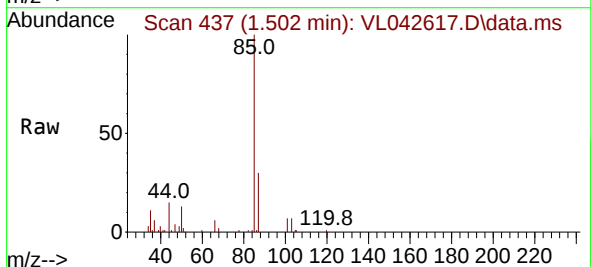
Tgt Ion: 49 Resp: 101439
Ion Ratio Lower Upper
49 100
128 45.0 24.2 72.6
130 56.6 30.4 91.2

Manual Integrations
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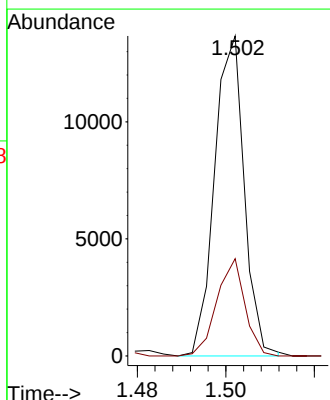
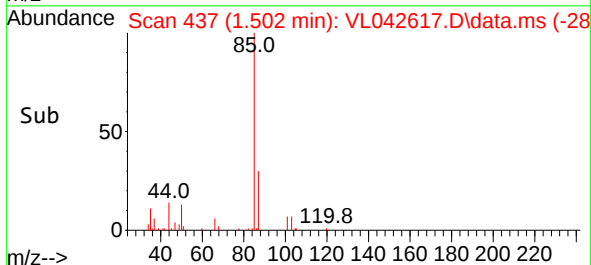
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

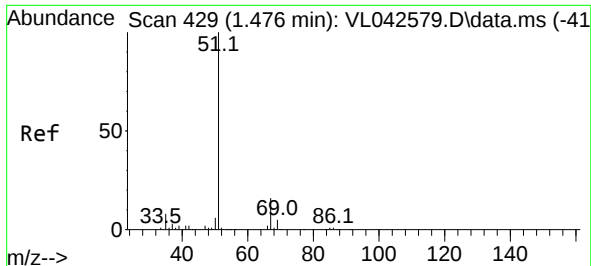


#2
Dichlorodifluoromethane
Concen: 0.510 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03



Tgt Ion: 85 Resp: 6360
Ion Ratio Lower Upper
85 100
87 30.4 26.6 39.8





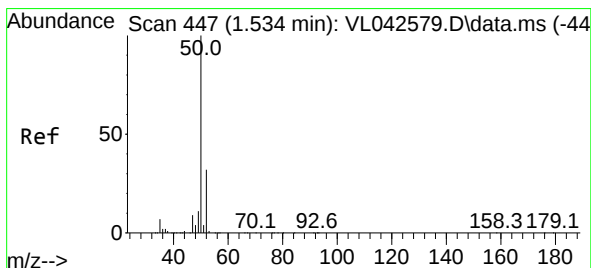
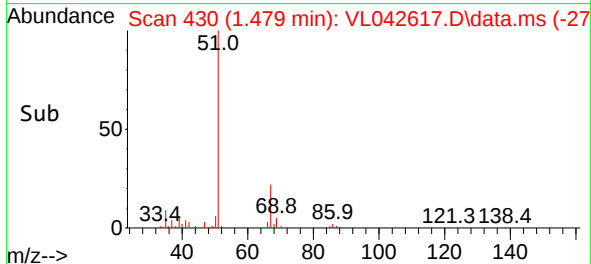
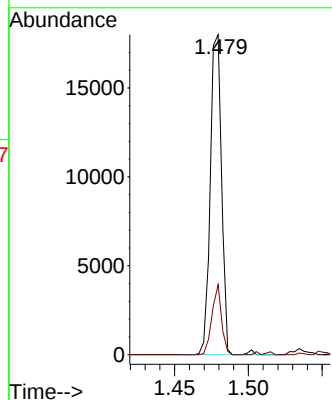
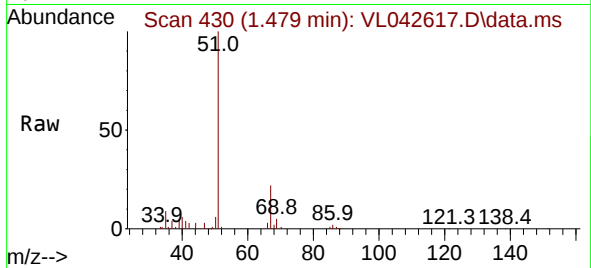
#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 51 Resp: 955
Ion Ratio Lower Upper
51 100
67 18.5 13.4 20.2

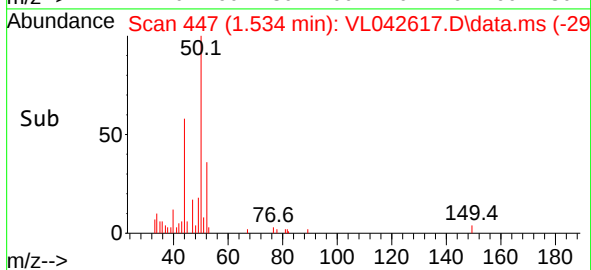
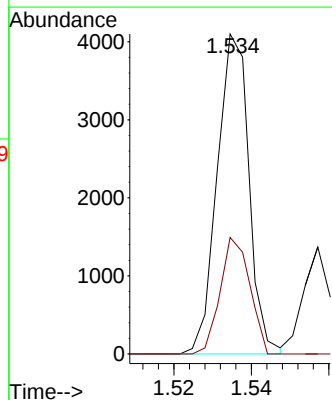
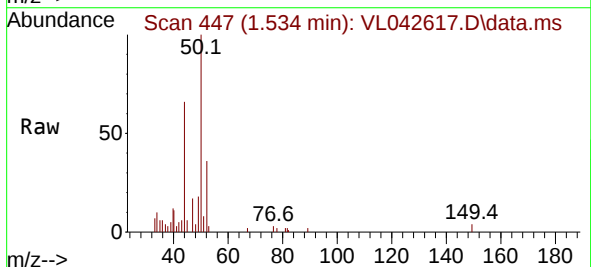
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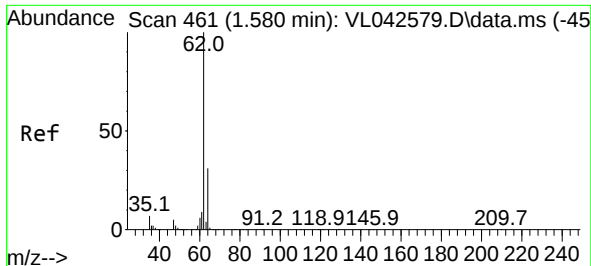
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#4
Chloromethane
Concen: 0.473 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

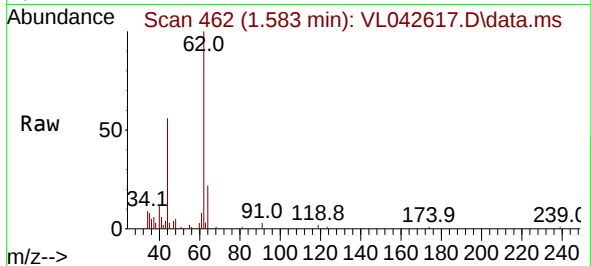
Tgt Ion: 50 Resp: 2335
Ion Ratio Lower Upper
50 100
52 36.4 25.8 38.6





#5
 Vinyl Chloride
 Concen: 0.506 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

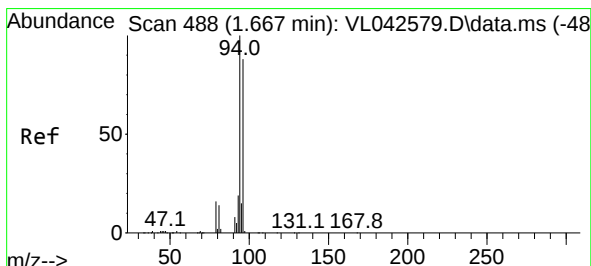
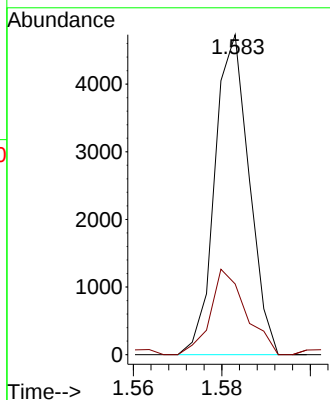
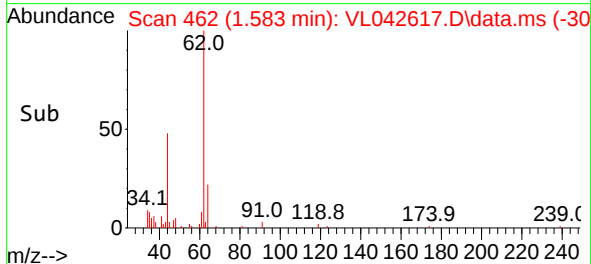
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



Tgt Ion: 62 Resp: 254
 Ion Ratio Lower Upper
 62 100
 64 21.5 24.9 37.3

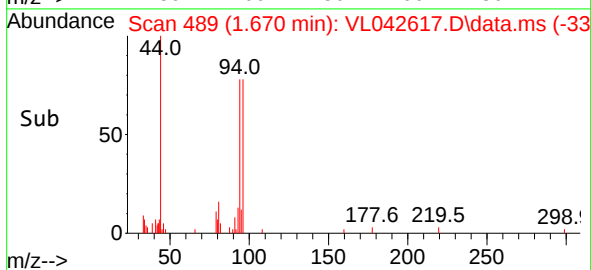
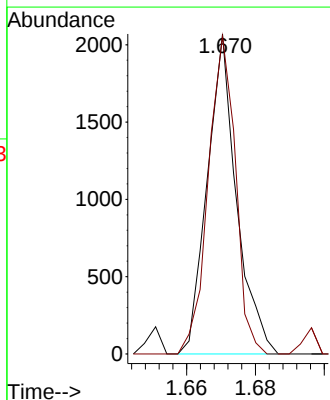
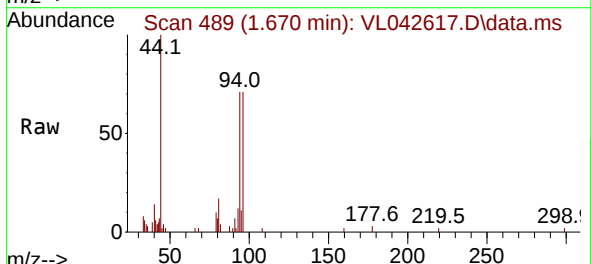
Manual Integrations
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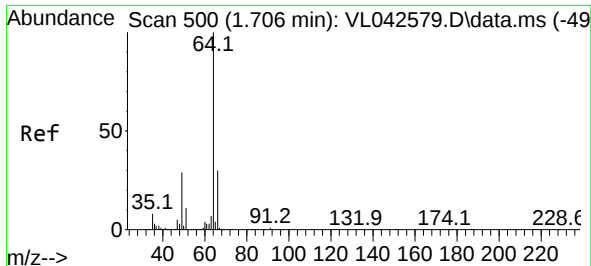
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#6
 Bromomethane
 Concen: 0.499 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

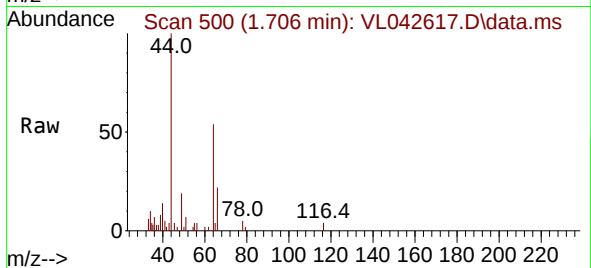
Tgt Ion: 94 Resp: 1222
 Ion Ratio Lower Upper
 94 100
 96 99.3 70.7 106.1





#7
Chloroethane
Concen: 0.490 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

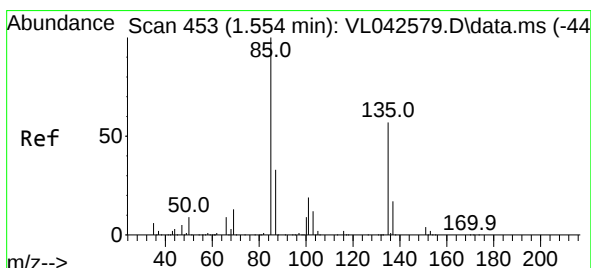
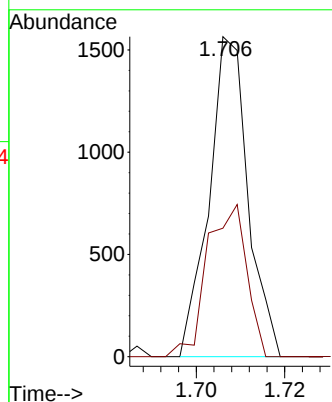
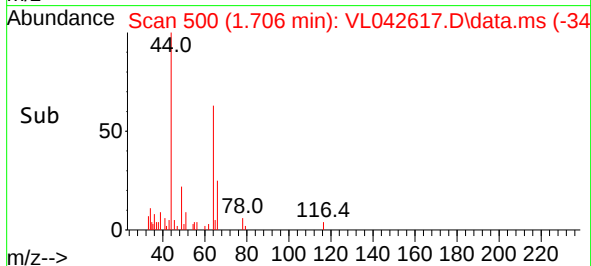
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 40.1 24.3 36.5

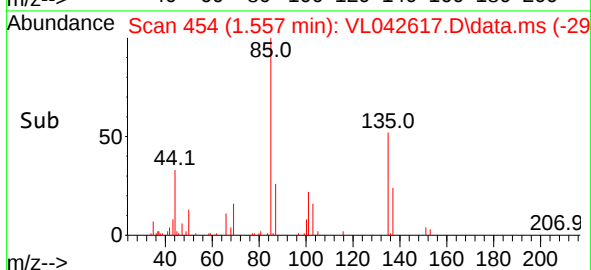
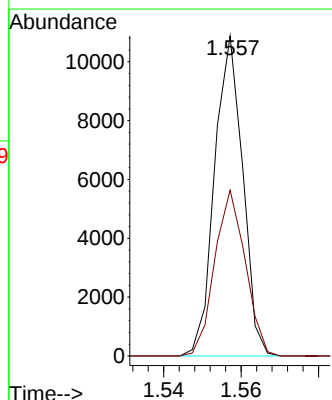
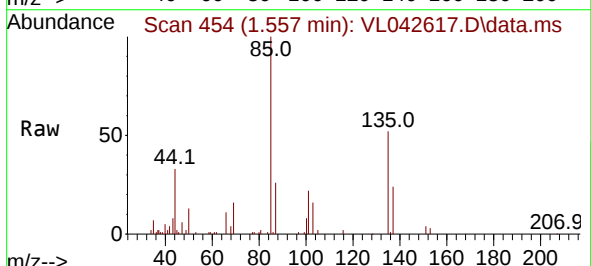
Manual Integrations
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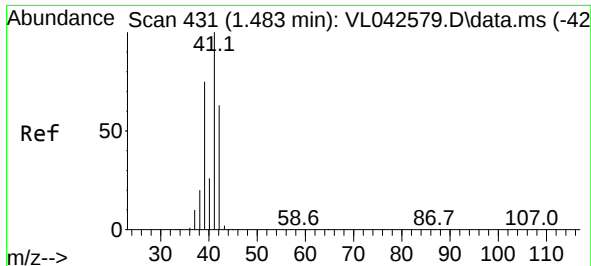
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#8
Dichlorotetrafluoroethane
Concen: 0.528 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion: 85 Resp: 5481
Ion Ratio Lower Upper
85 100
135 56.5 50.2 75.4





#9

Propene

Concen: 0.517 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

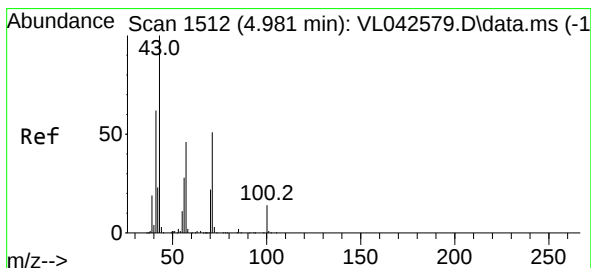
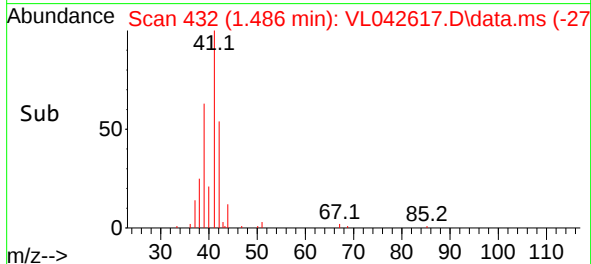
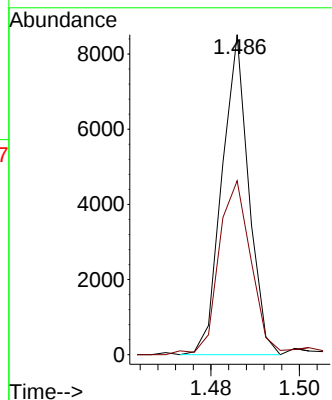
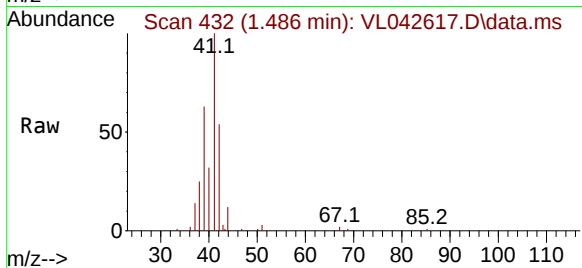
ClientSampleId :

MDL-AIR-03-QT2-2025

Tgt Ion: 41 Resp: 3572
 Ion Ratio Lower Upper
 41 100
 42 67.5 53.3 79.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#10

Heptane

Concen: 0.422 ppbv m

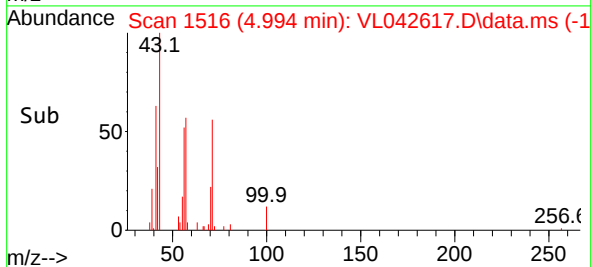
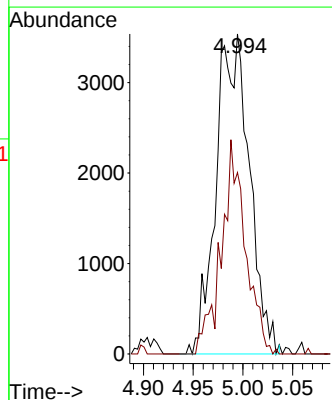
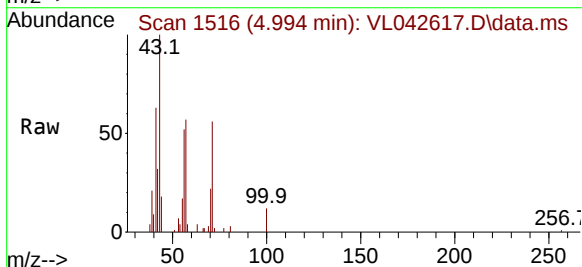
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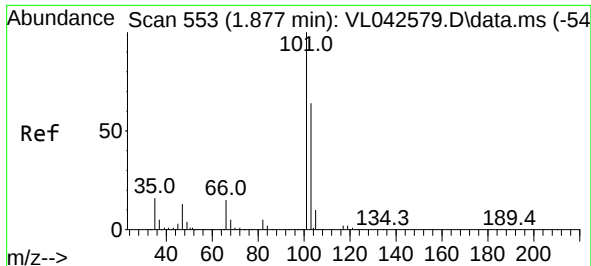
Delta R.T. 0.013 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion: 43 Resp: 8222
 Ion Ratio Lower Upper
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 57 48.7 38.9 58.3





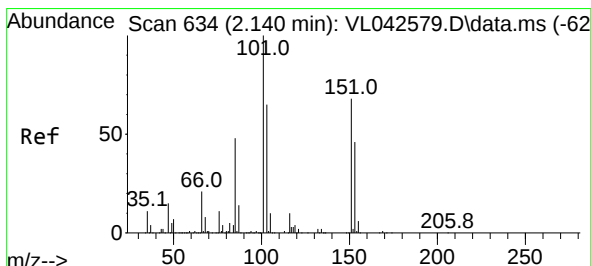
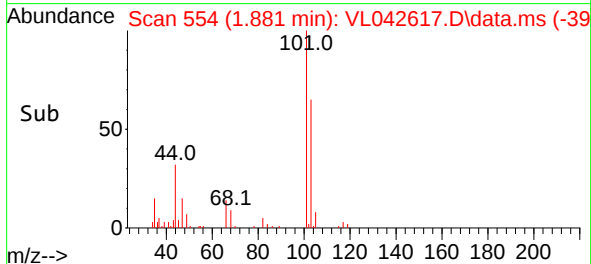
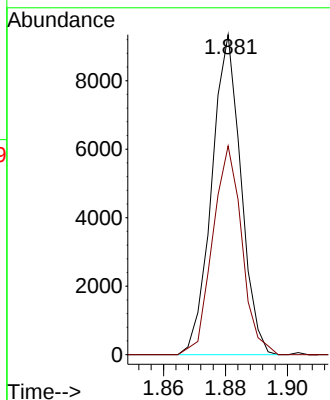
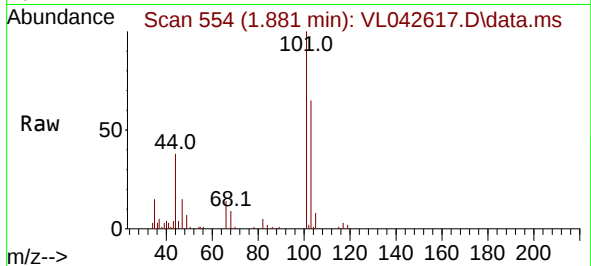
#11
Trichlorofluoromethane
Concen: 0.527 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion:101 Resp: 6114
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3

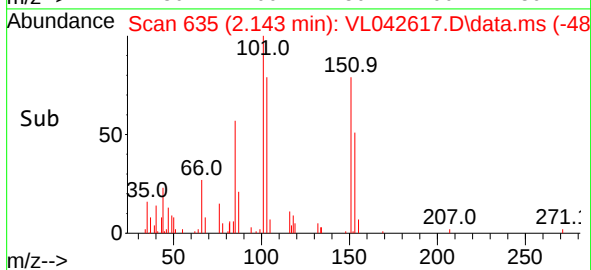
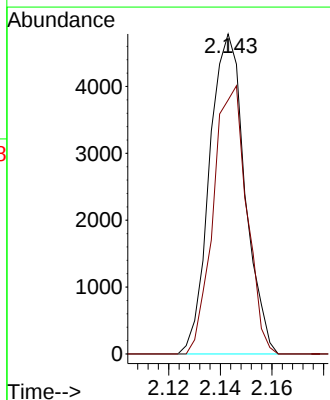
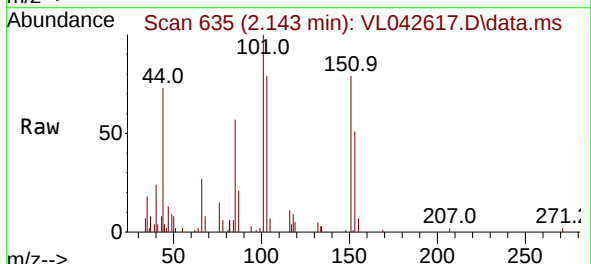
Manual Integrations
APPROVED

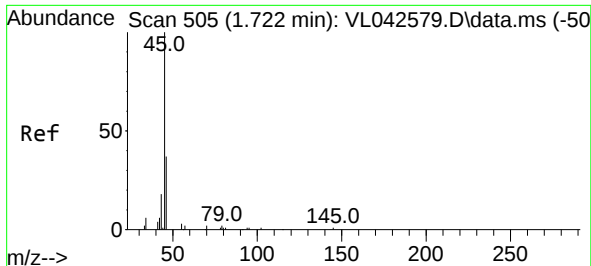
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.501 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion:101 Resp: 4560
Ion Ratio Lower Upper
101 100
151 79.1 55.3 82.9





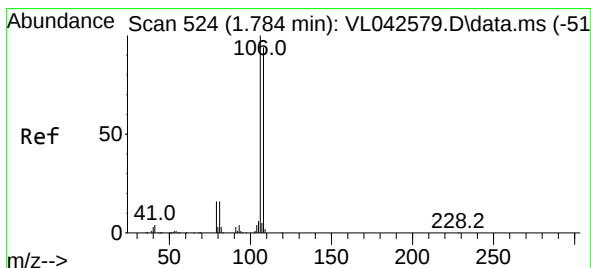
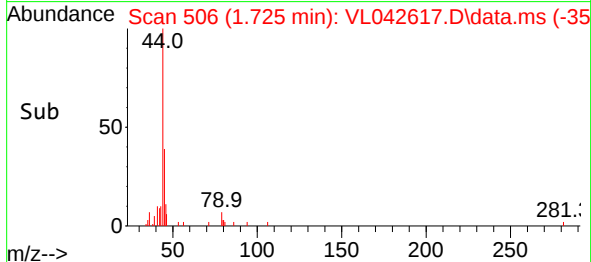
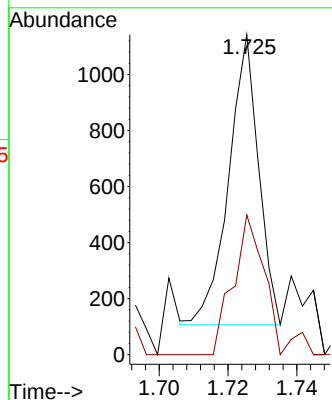
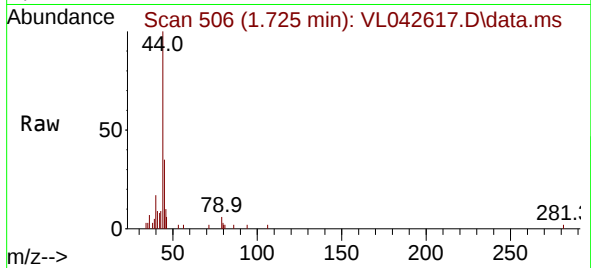
#13
Ethanol
Concen: 0.757 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 45 Resp: 624
Ion Ratio Lower Upper
45 100
46 53.5 14.5 58.1

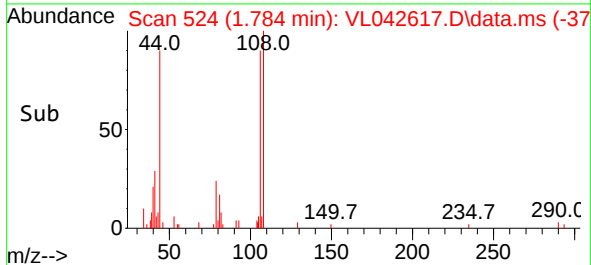
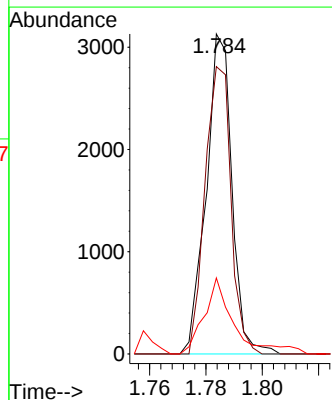
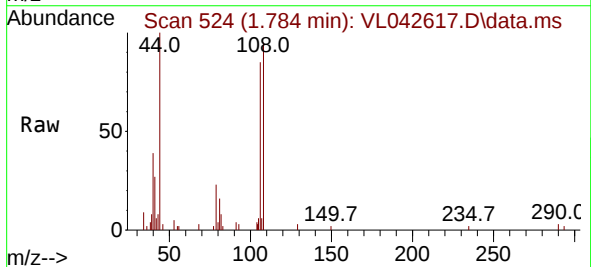
Manual Integrations
APPROVED

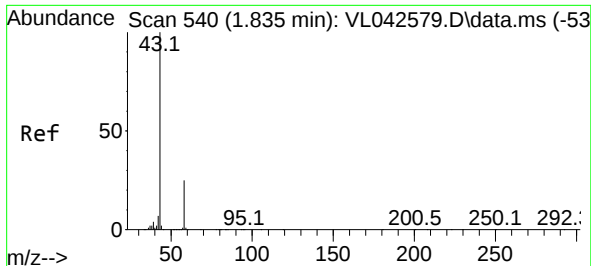
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#14
Bromoethene
Concen: 0.581 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

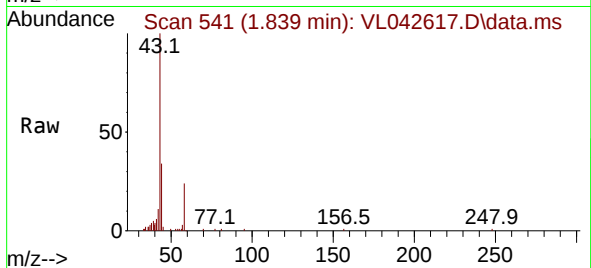
Tgt Ion:108 Resp: 1992
Ion Ratio Lower Upper
108 100
106 90.1 87.9 131.9
79 31.4 15.6 23.4#





#15
Acetone
Concen: 0.632 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

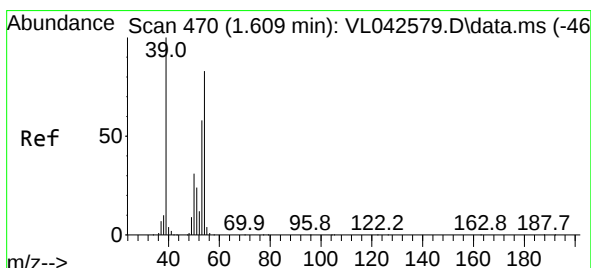
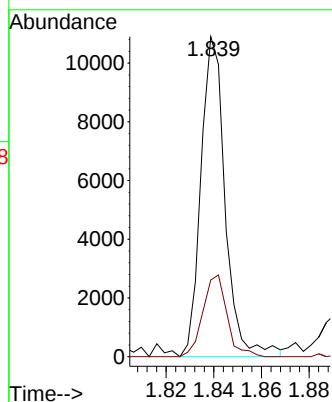
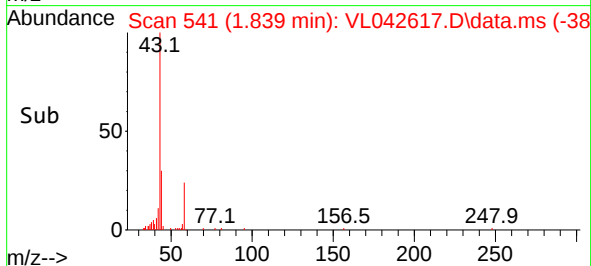
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



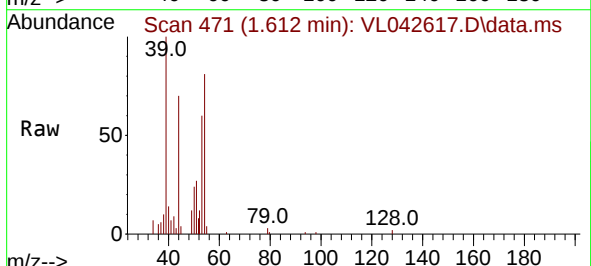
Tgt Ion: 43 Resp: 7720
Ion Ratio Lower Upper
43 100
58 25.3 21.0 31.4

Manual Integrations
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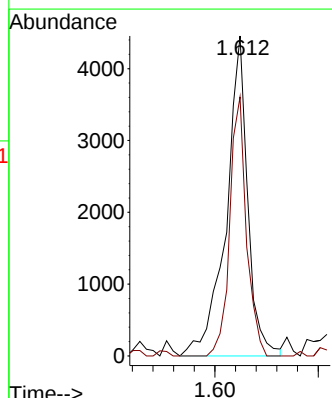
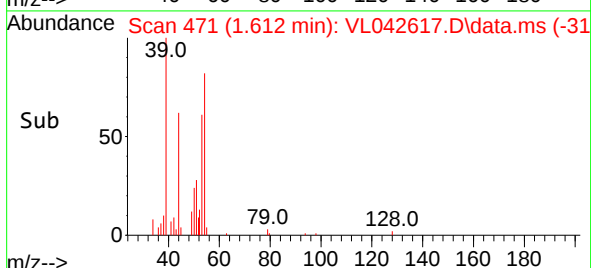
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

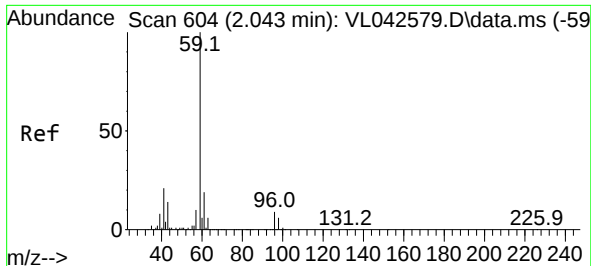


#16
1,3-Butadiene
Concen: 0.558 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03



Tgt Ion: 39 Resp: 3231
Ion Ratio Lower Upper
39 100
54 64.2 57.9 86.9





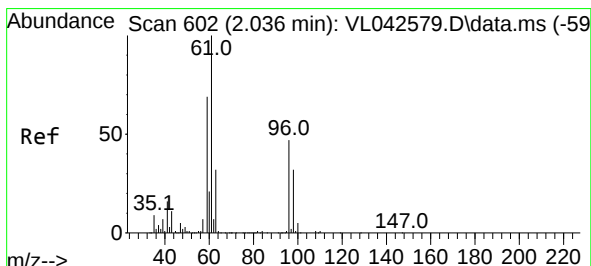
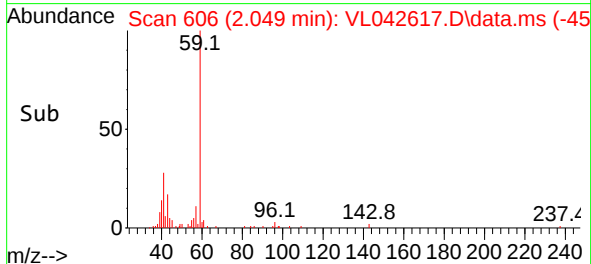
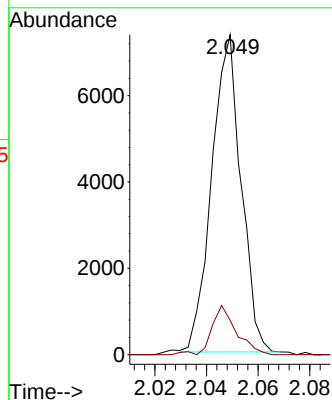
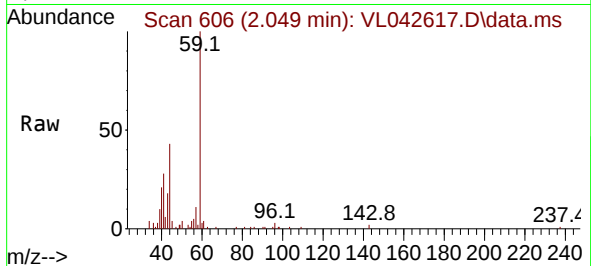
#17
tert-Butyl alcohol
Concen: 0.455 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 59 Resp: 5793
Ion Ratio Lower Upper
59 100
57 13.0 8.6 12.8

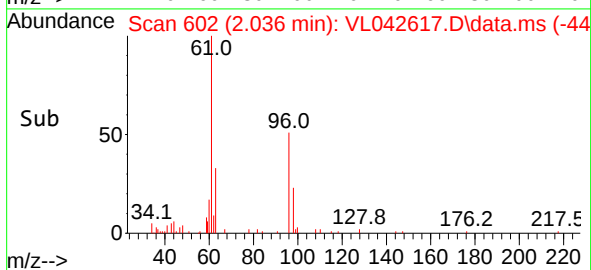
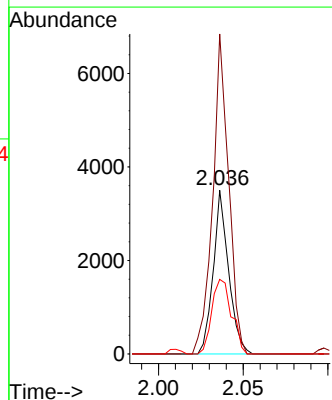
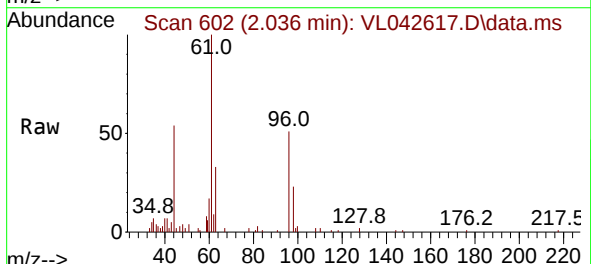
Manual Integrations
APPROVED

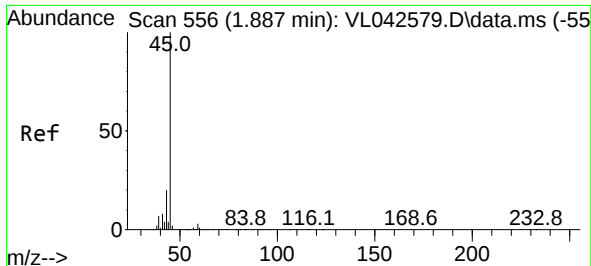
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#18
1,1-Dichloroethene
Concen: 0.522 ppbv m
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

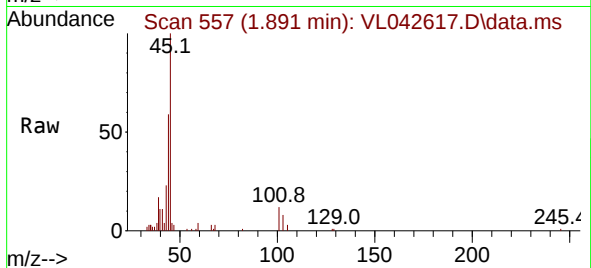
Tgt Ion: 96 Resp: 2206
Ion Ratio Lower Upper
96 100
61 195.5 171.1 256.7
98 45.5 54.4 81.6





#19
Isopropyl Alcohol
Concen: 0.510 ppbv
RT: 1.891 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

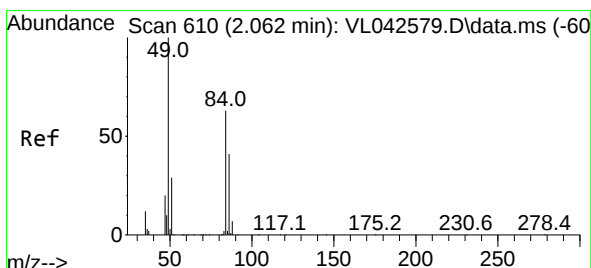
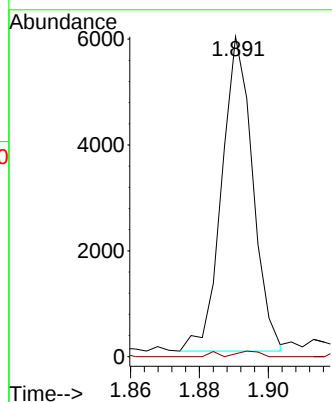
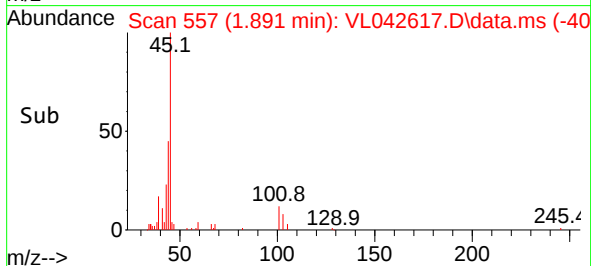
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



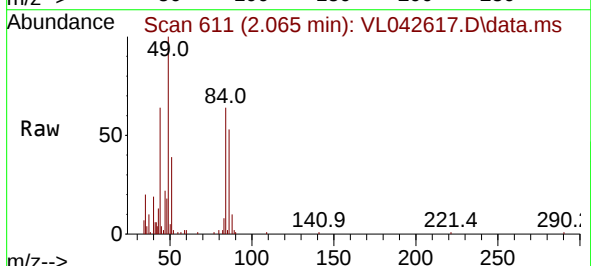
Tgt Ion: 45 Resp: 372
Ion Ratio Lower Upper
45 100
58 52.4 29.4 44.2

Manual Integrations
APPROVED

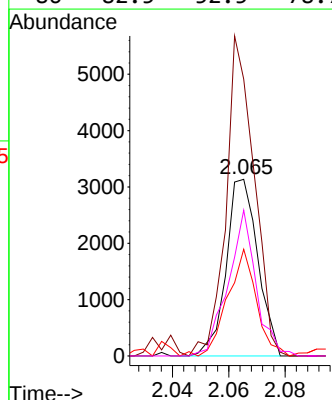
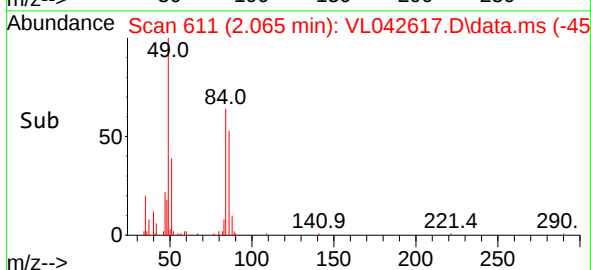
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

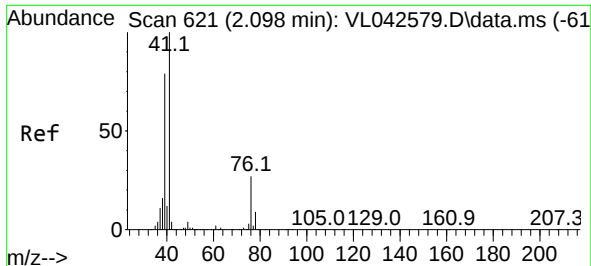


#20
Methylene Chloride
Concen: 0.607 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03



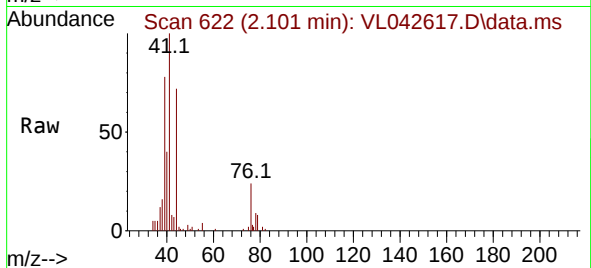
Tgt Ion: 84 Resp: 2449
Ion Ratio Lower Upper
84 100
49 154.5 128.8 193.2
51 60.4 38.6 57.8#
86 82.5 52.5 78.7#





#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

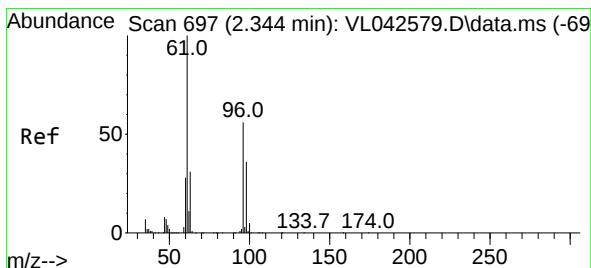
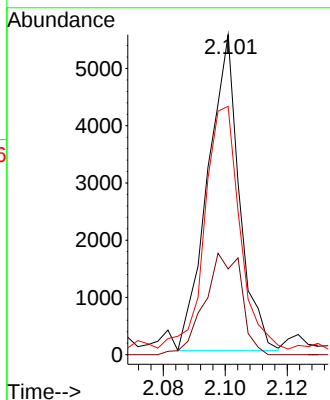
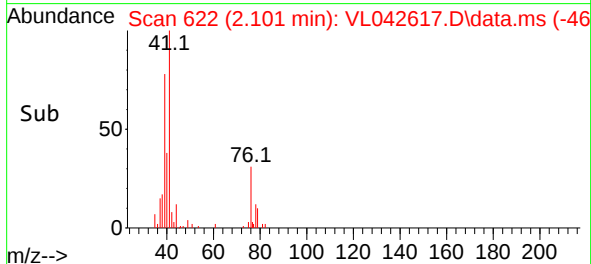
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



Tgt Ion: 41 Resp: 390
 Ion Ratio Lower Upper
 41 100
 76 37.5 21.2 31.8
 39 97.3 60.9 91.3

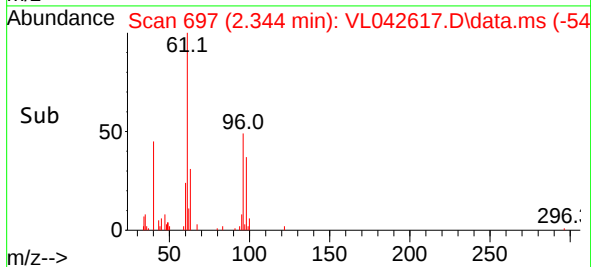
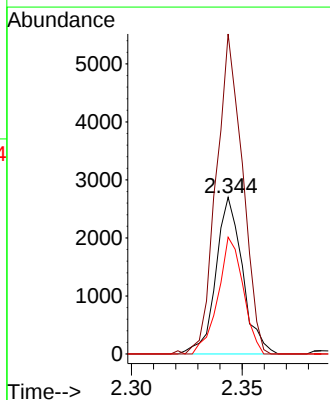
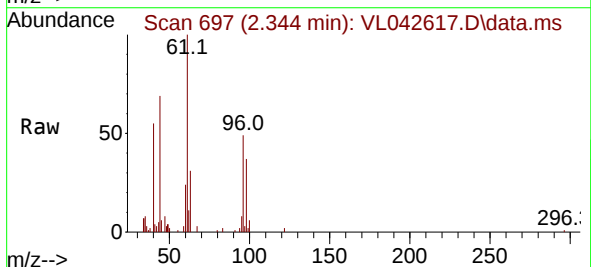
Manual Integrations
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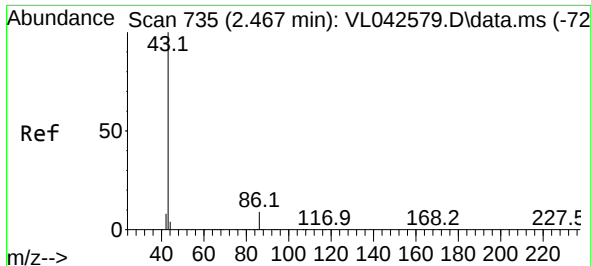
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.479 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

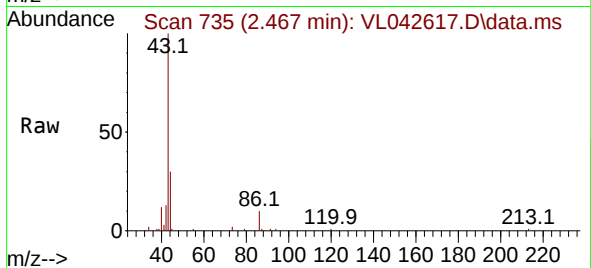
Tgt Ion: 96 Resp: 2257
 Ion Ratio Lower Upper
 96 100
 61 204.3 142.6 214.0
 98 74.6 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.658 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

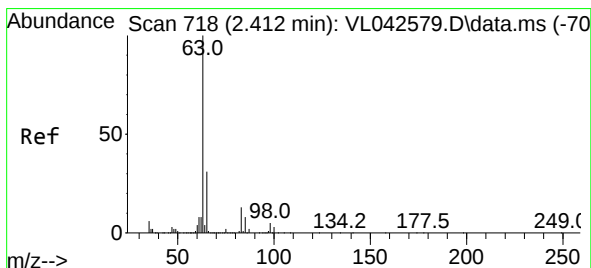
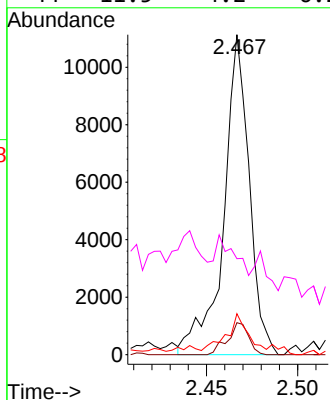
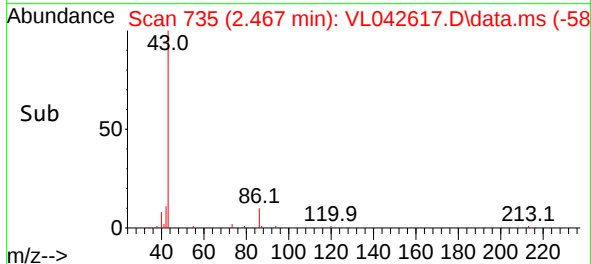
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



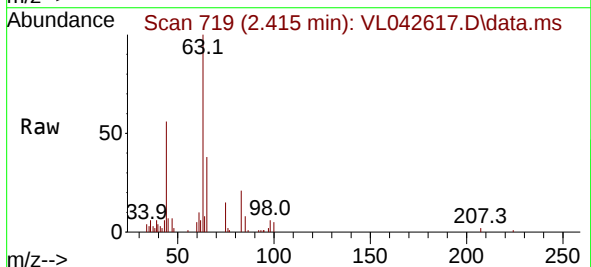
Tgt Ion: 43 Resp: 10860
 Ion Ratio Lower Upper
 43 100
 86 10.0 6.6 9.8
 42 11.1 7.0 10.4
 44 11.5 4.2 6.2

Manual Integrations
 APPROVED

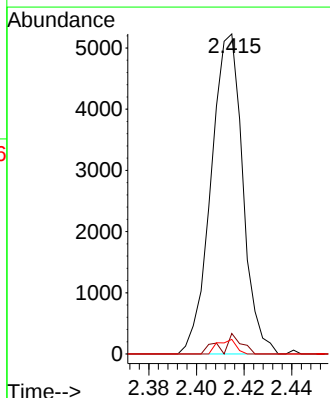
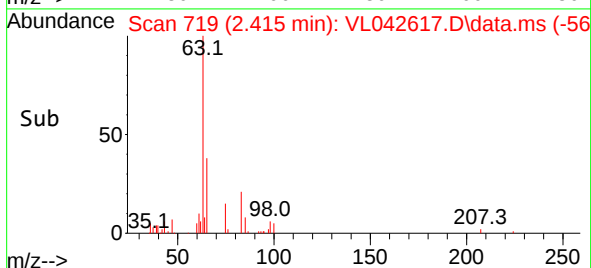
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025

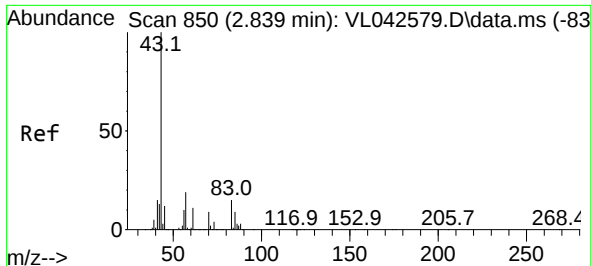


#24
 1,1-Dichloroethane
 Concen: 0.499 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03



Tgt Ion: 63 Resp: 4838
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.4 7.1
 100 4.6 1.4 4.0





#25

Ethyl Acetate

Concen: 0.480 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL042617.D

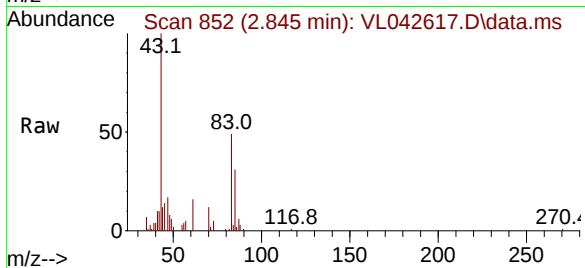
Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025



Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

45 12.0 8.2 12.2

61 8.5 7.1 10.7

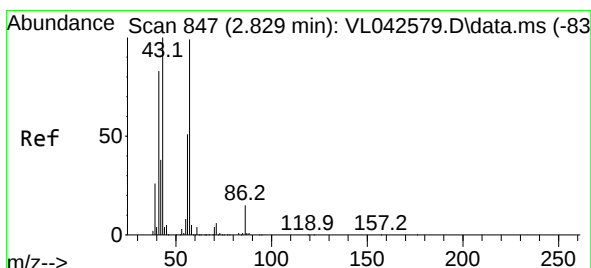
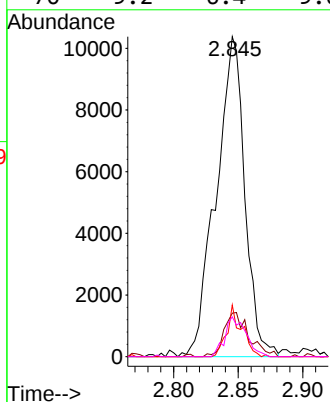
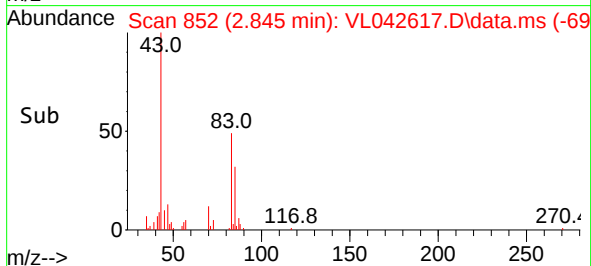
70 9.2 6.4 9.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#26

Hexane

Concen: 0.401 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion: 57 Resp: 6099

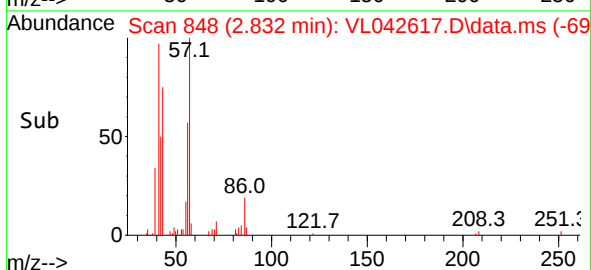
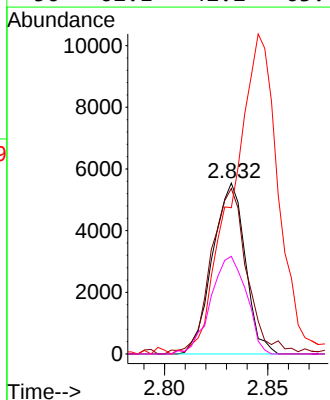
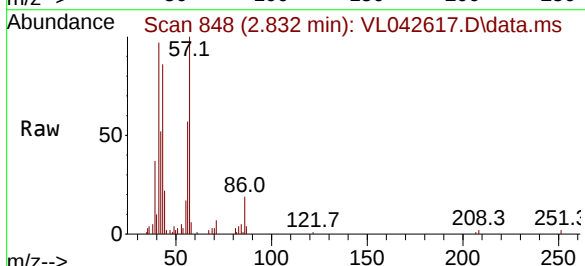
Ion Ratio Lower Upper

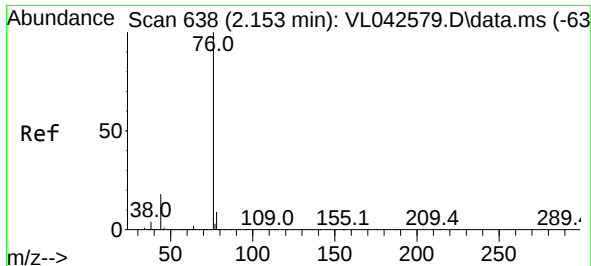
57 100

41 108.1 70.6 106.0#

43 271.6 181.1 271.7

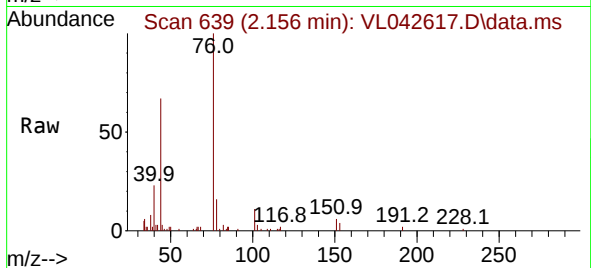
56 62.1 42.2 63.4





#27
Carbon Disulfide
Concen: 0.473 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

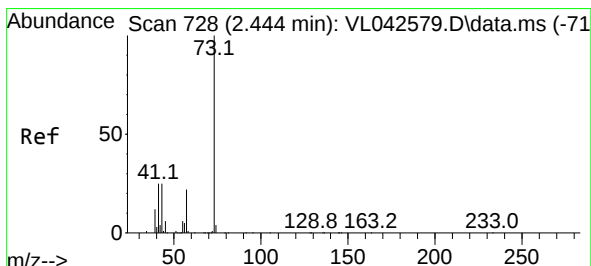
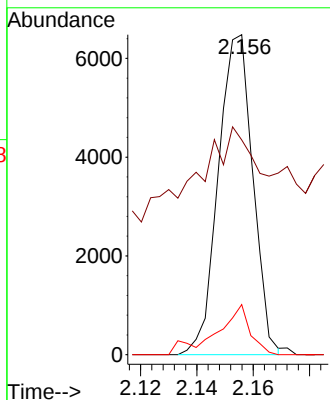
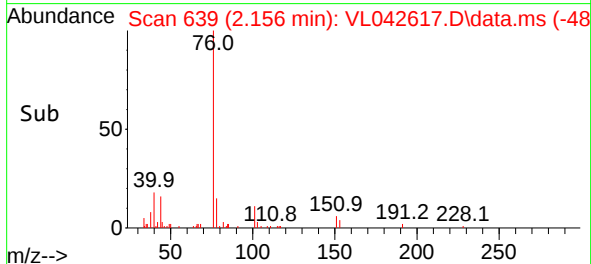
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 76 Resp: 5511
Ion Ratio Lower Upper
76 100
44 102.6 21.3 31.9
78 15.3 9.4 14.0

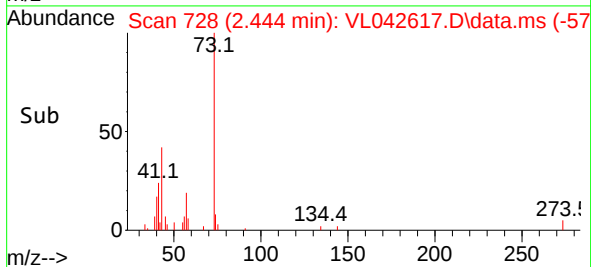
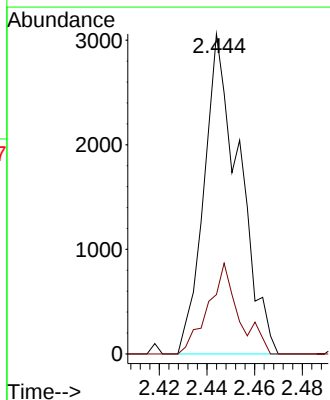
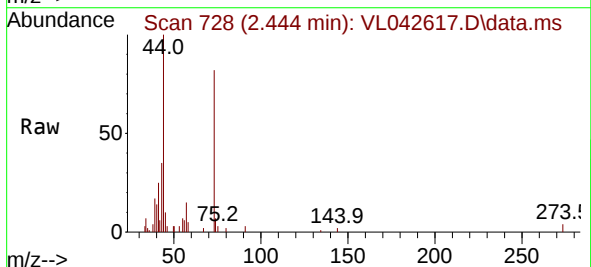
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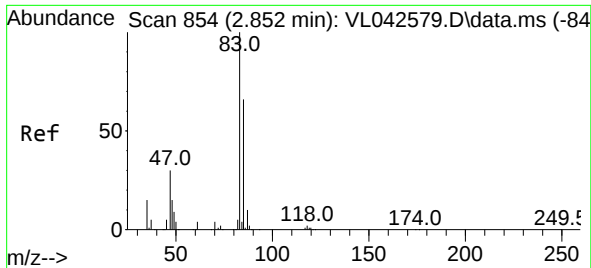
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#28
Methyl tert-Butyl Ether
Concen: 0.512 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion: 73 Resp: 3159
Ion Ratio Lower Upper
73 100
57 24.5 19.9 29.9





#29

Chloroform

Concen: 0.528 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

Tgt Ion: 83 Resp: 1043

Ion Ratio Lower Upper

83 100

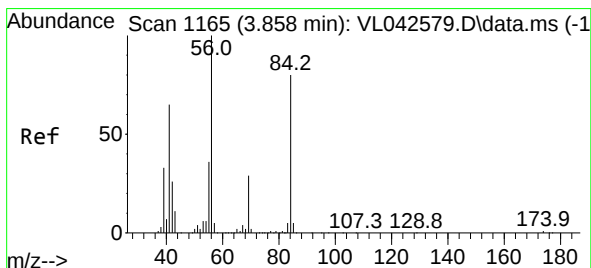
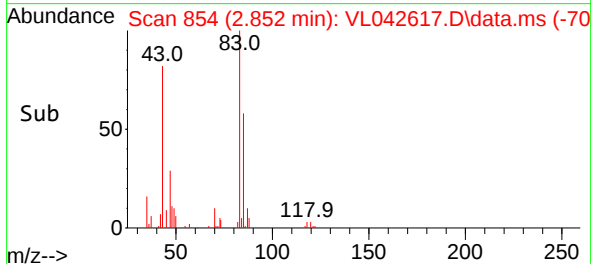
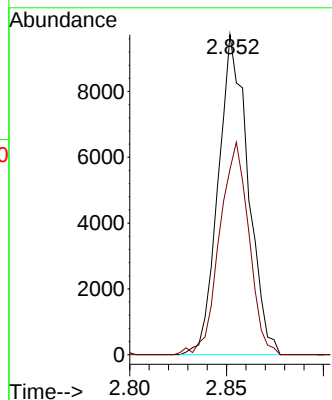
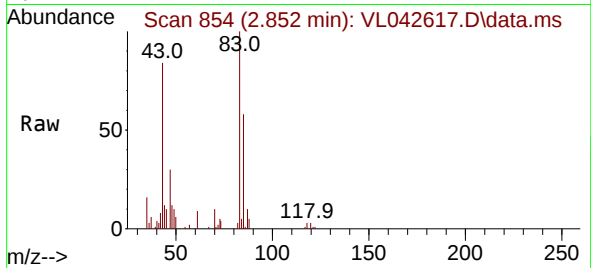
85 57.9 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#30

Cyclohexane

Concen: 0.403 ppbv m

RT: 3.868 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

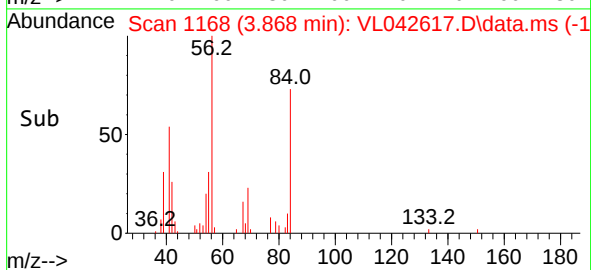
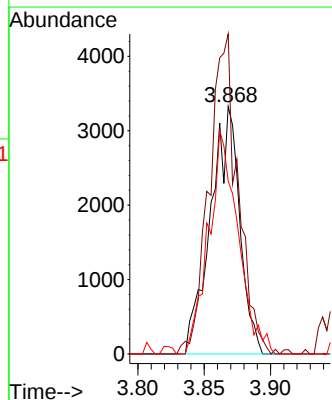
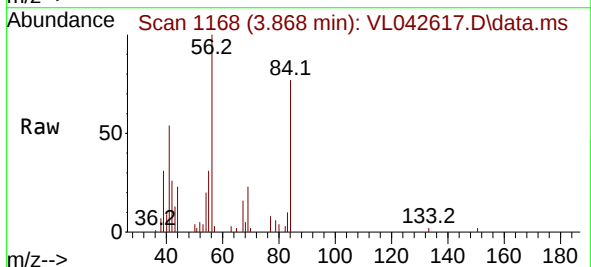
Tgt Ion: 84 Resp: 5073

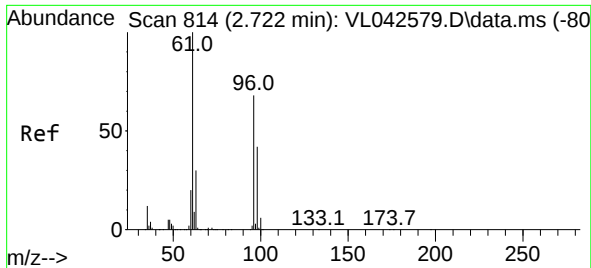
Ion Ratio Lower Upper

84 100

56 0.0 103.7 155.5#

41 93.1 65.1 97.7





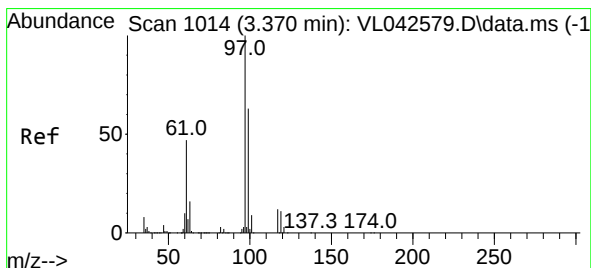
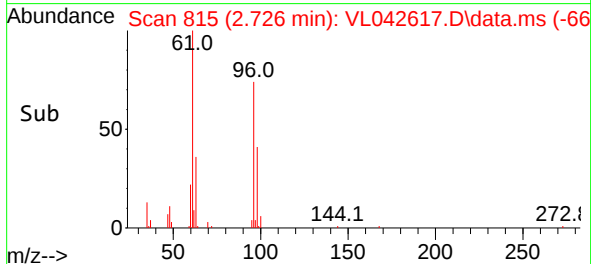
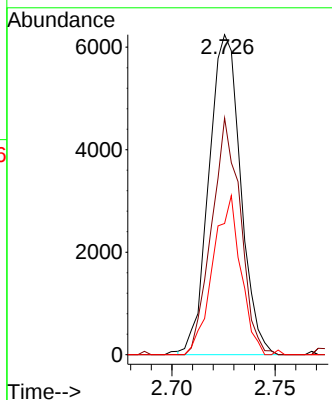
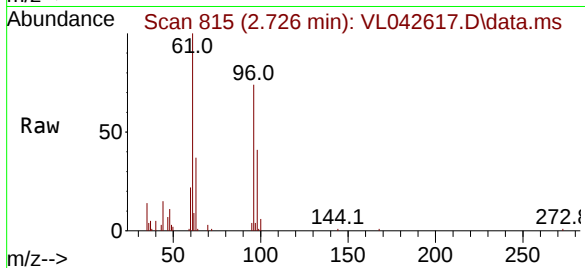
#31
 cis-1,2-Dichloroethene
 Concen: 0.480 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Tgt Ion: 61 Resp: 666
 Ion Ratio Lower Upper
 61 100
 96 68.1 54.5 81.7
 98 37.8 33.4 50.2

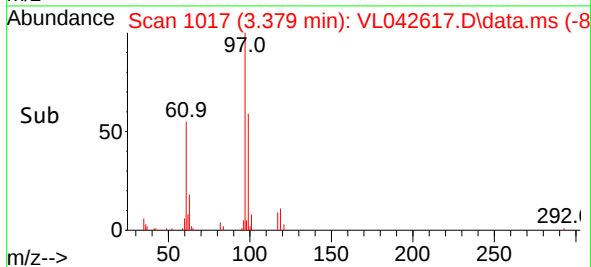
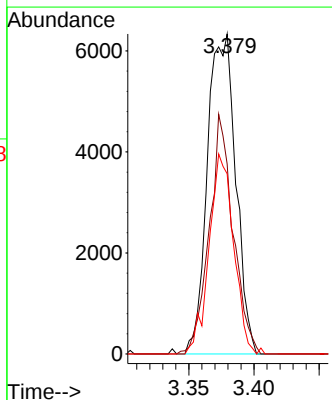
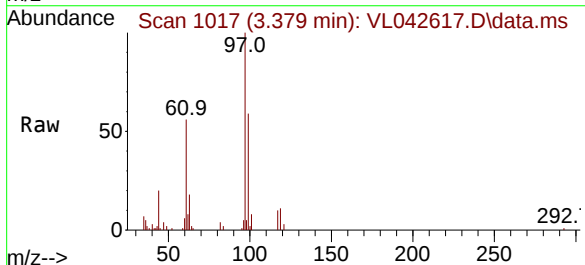
Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv m
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.010 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

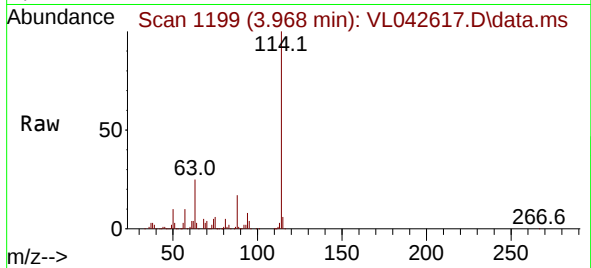
Tgt Ion: 97 Resp: 9567
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.6
 61 54.3 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

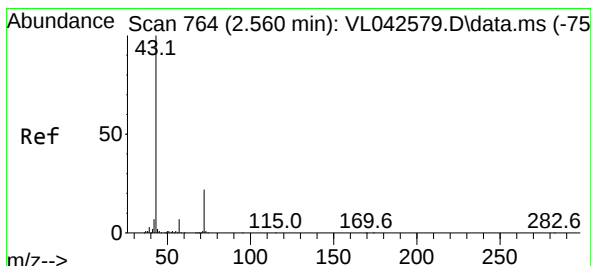
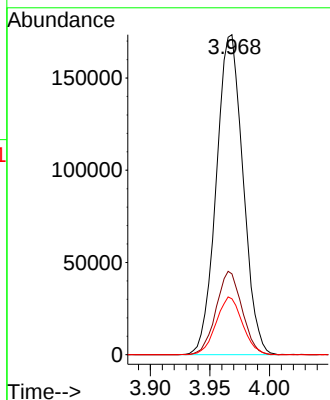
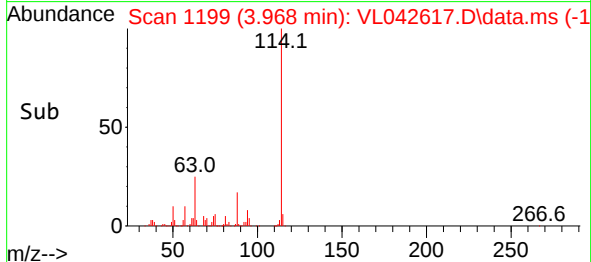
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:114 Resp: 27021
Ion Ratio Lower Upper
114 100
63 25.2 19.0 28.6
88 17.7 13.6 20.4

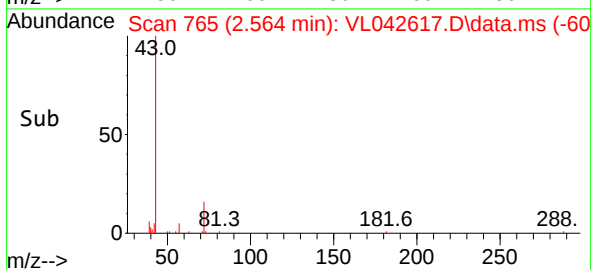
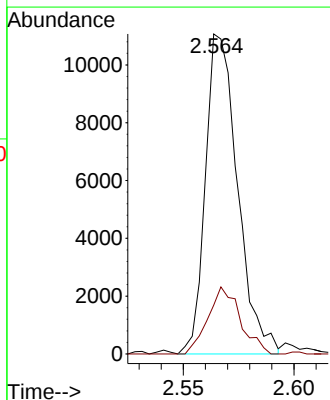
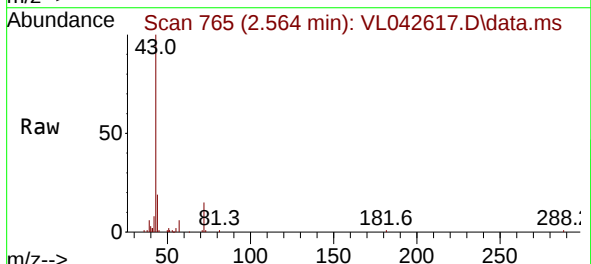
Manual Integrations
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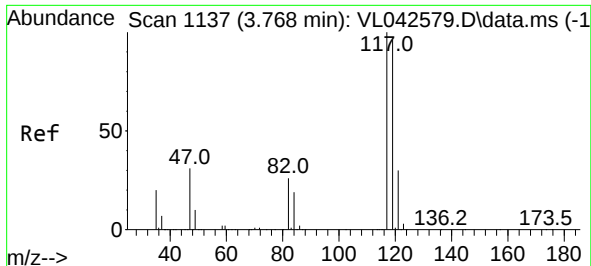
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#34
2-Butanone
Concen: 0.579 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

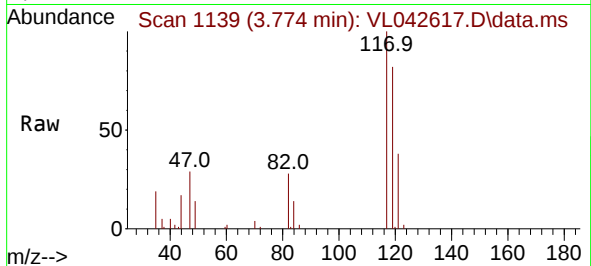
Tgt Ion: 43 Resp: 11155
Ion Ratio Lower Upper
43 100
72 21.4 17.7 26.5





#35
Carbon Tetrachloride
Concen: 0.522 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

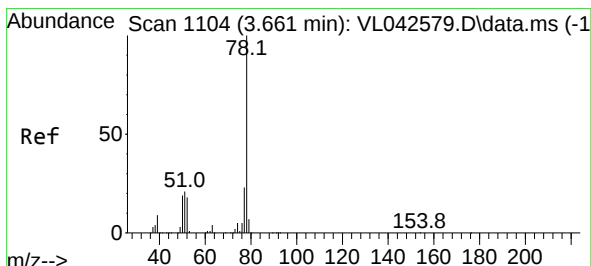
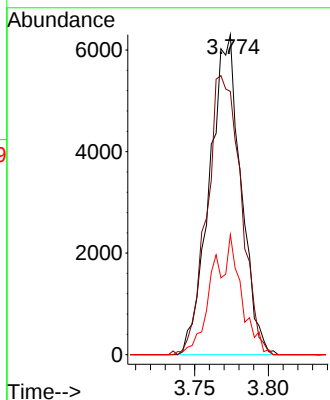
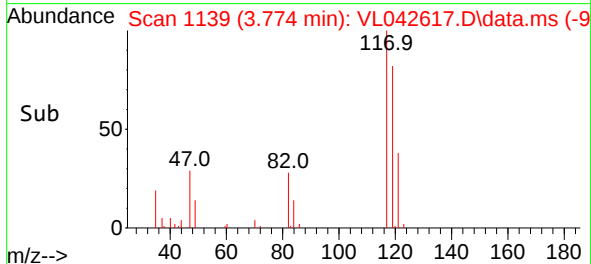
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 117 Resp: 9310
Ion Ratio Lower Upper
117 100
119 82.2 76.8 115.2
121 37.5 24.3 36.5

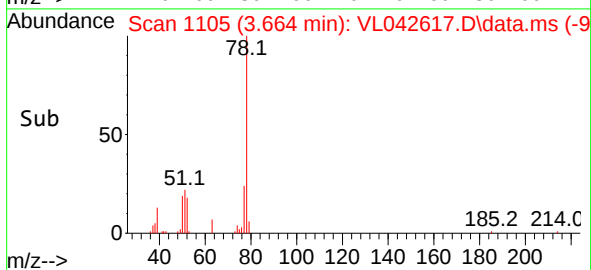
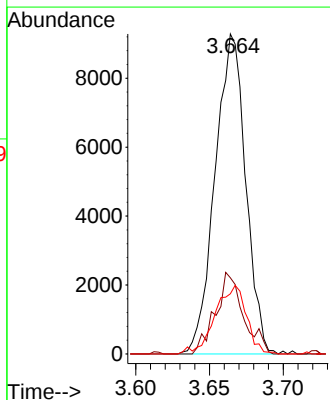
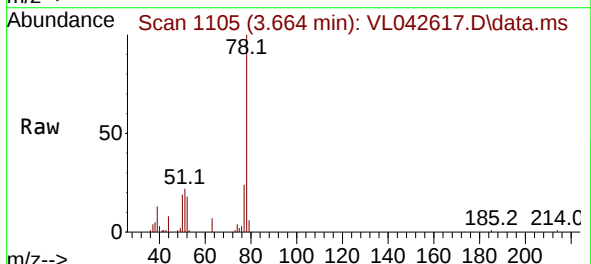
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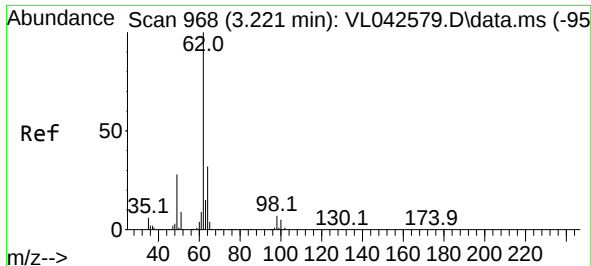
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#36
Benzene
Concen: 0.503 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion: 78 Resp: 13395
Ion Ratio Lower Upper
78 100
77 23.8 18.2 27.2
50 18.8 15.2 22.8





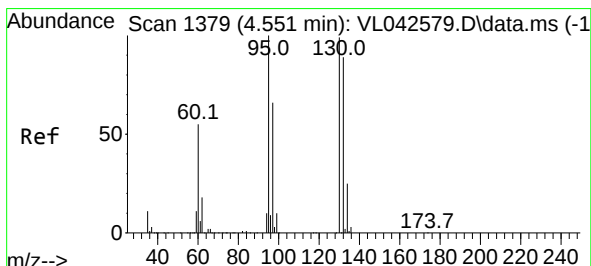
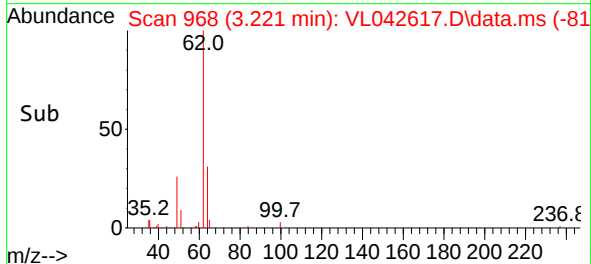
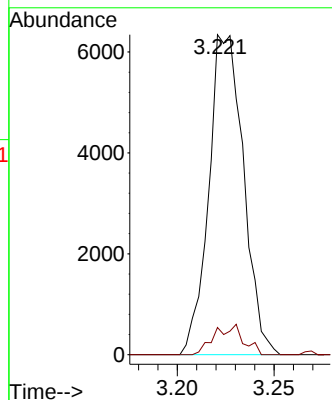
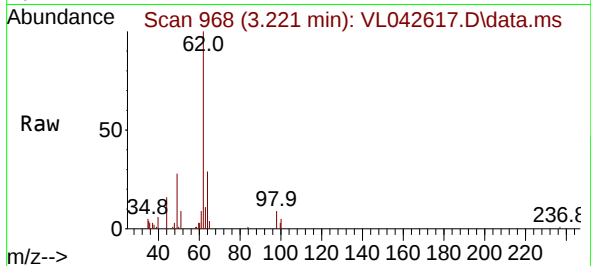
#37
1,2-Dichloroethane
Concen: 0.598 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 62 Resp: 791
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1

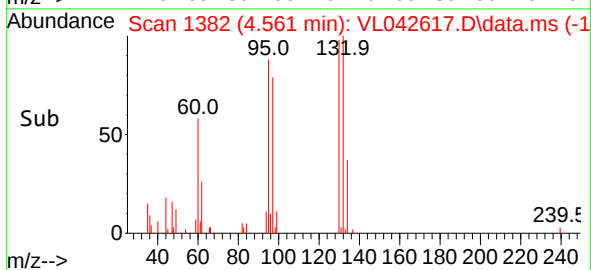
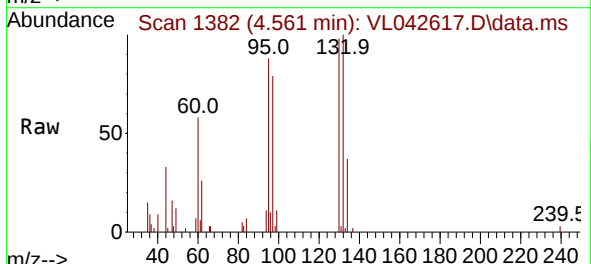
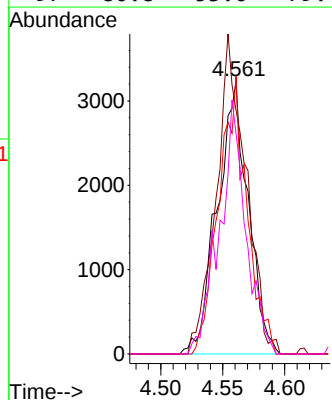
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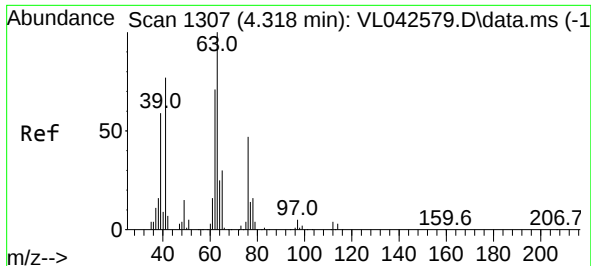
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#38
Trichloroethene
Concen: 0.496 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.010 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion:130 Resp: 5608
Ion Ratio Lower Upper
130 100
95 89.4 80.6 121.0
132 101.8 71.8 107.6
97 80.8 53.0 79.4#





#39

1,2-Dichloropropane

Concen: 0.525 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VL042617.D

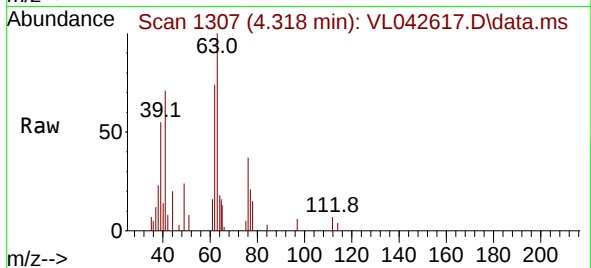
Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

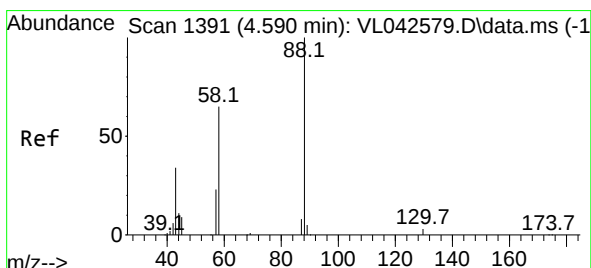
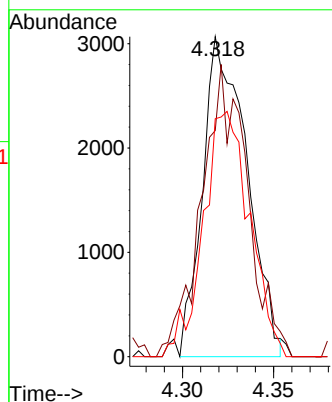
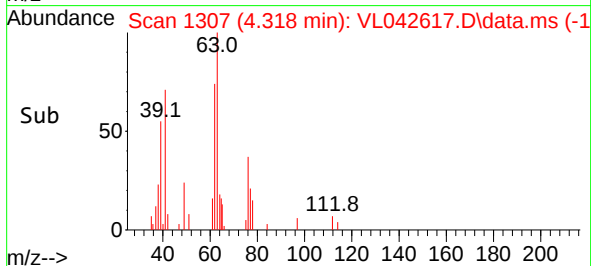


Tgt Ion:	63	Resp:	516
Ion	Ratio	Lower	Upper
63	100		
41	62.8	61.8	92.6
62	70.2	56.6	85.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#40

1,4-Dioxane

Concen: 0.553 ppbv m

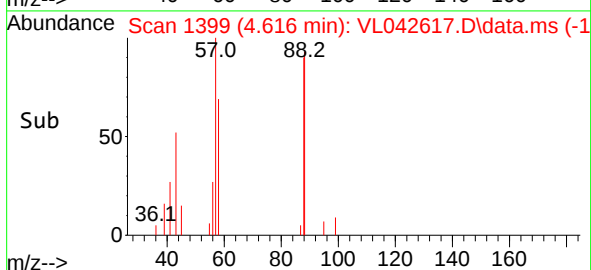
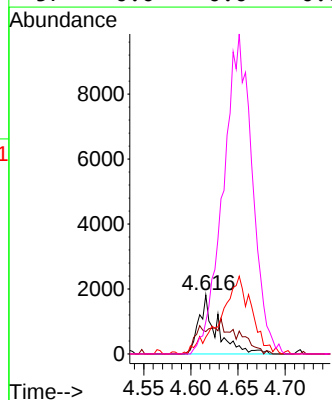
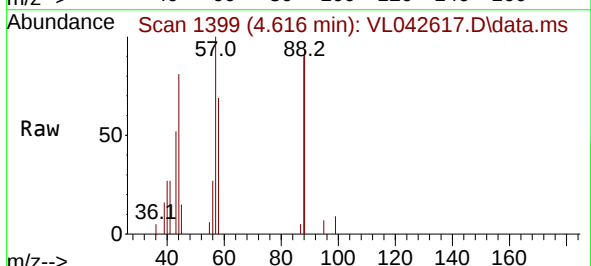
RT: 4.616 min Scan# 1399

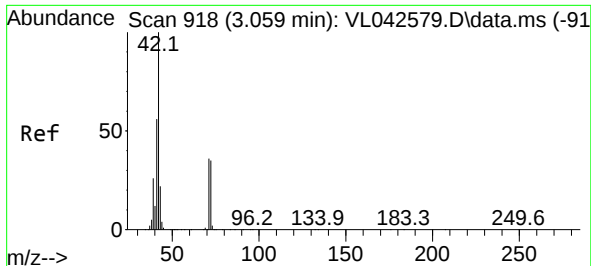
Delta R.T. 0.026 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion:	88	Resp:	2434
Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0





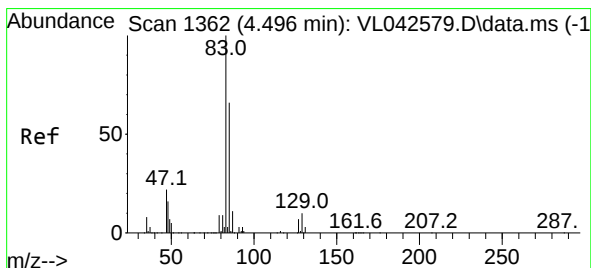
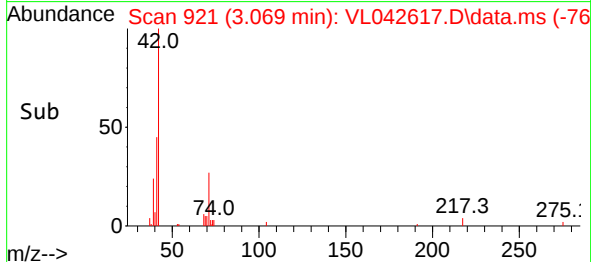
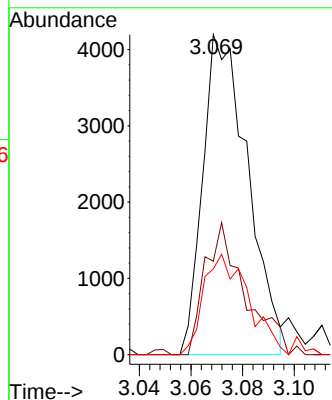
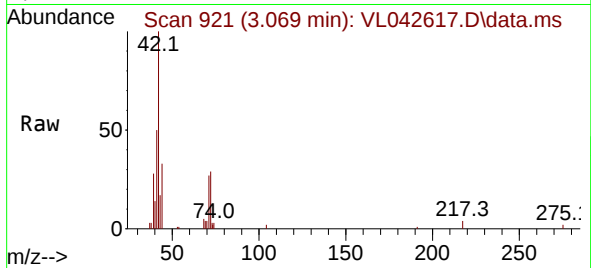
#41
Tetrahydrofuran
Concen: 0.449 ppbv
RT: 3.069 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 42 Resp: 506
Ion Ratio Lower Upper
42 100
72 37.5 28.9 43.3
71 32.8 28.5 42.7

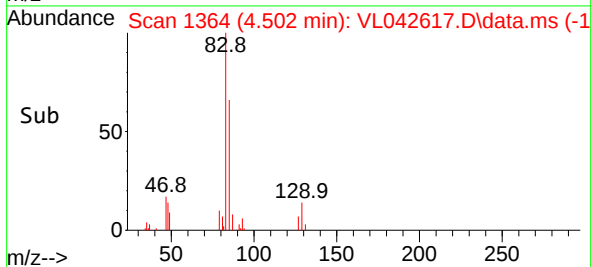
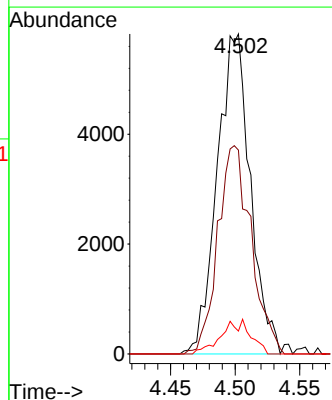
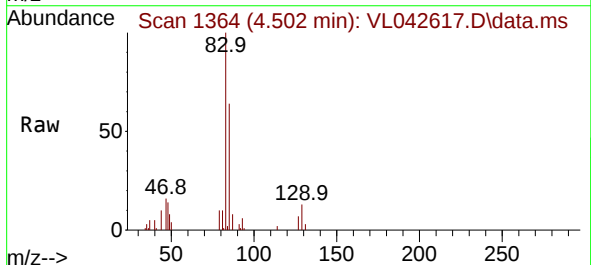
Manual Integrations
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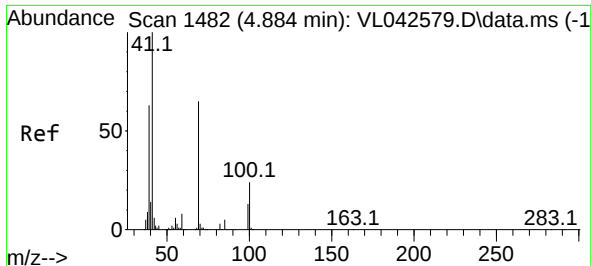
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#42
Bromodichloromethane
Concen: 0.552 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

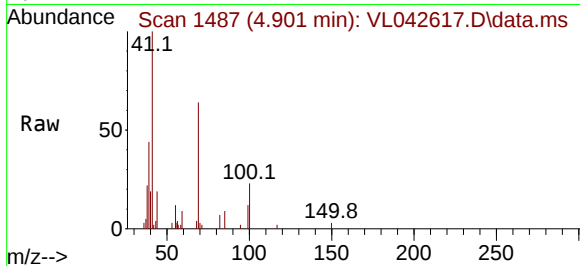
Tgt Ion: 83 Resp: 10374
Ion Ratio Lower Upper
83 100
85 63.7 52.7 79.1
127 7.1 5.8 8.6





#43
Methyl Methacrylate
Concen: 0.399 ppbv m
RT: 4.901 min Scan# 1410
Delta R.T. 0.016 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

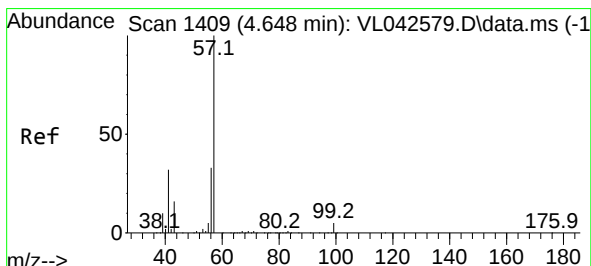
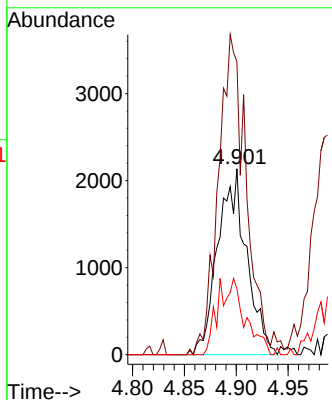
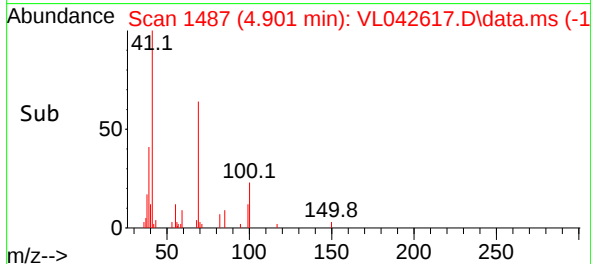
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 69 Resp: 412
Ion Ratio Lower Upper
69 100
41 167.2 124.6 187.0
100 0.0 29.9 44.9

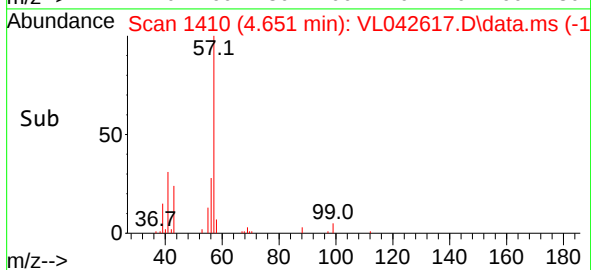
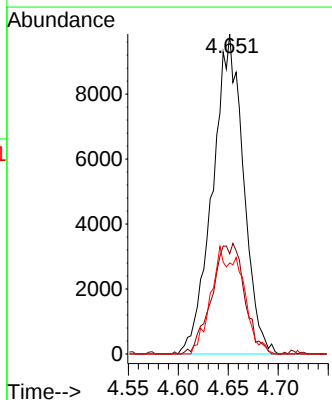
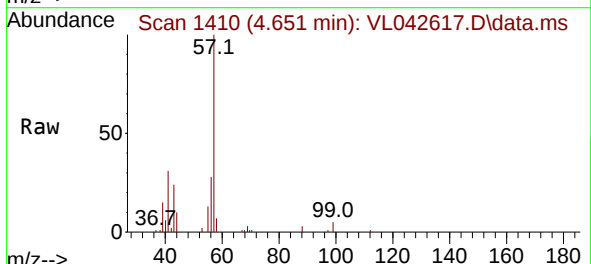
Manual Integrations
APPROVED

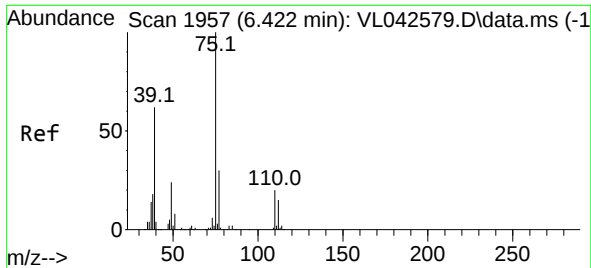
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#44
2,2,4-Trimethylpentane
Concen: 0.464 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

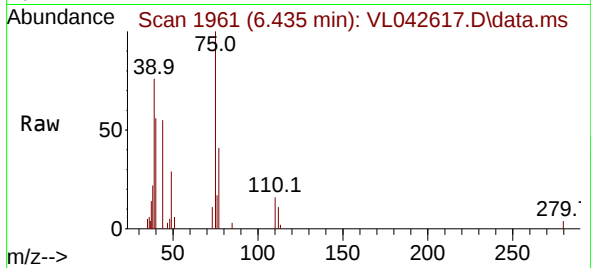
Tgt Ion: 57 Resp: 21138
Ion Ratio Lower Upper
57 100
41 36.5 26.1 39.1
56 34.1 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 0.412 ppbv m
 RT: 6.435 min Scan# 1957
 Delta R.T. 0.013 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

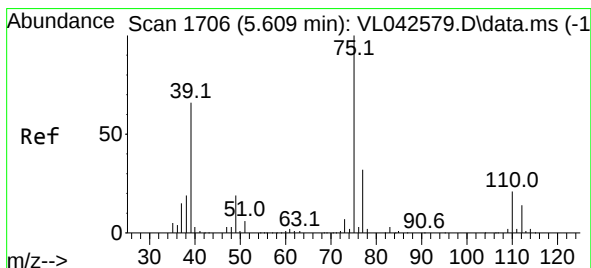
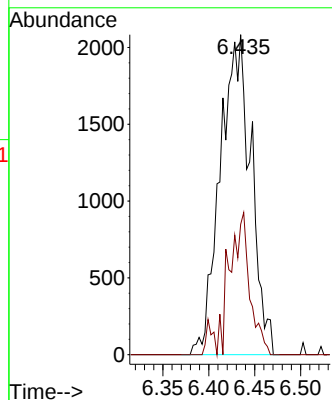
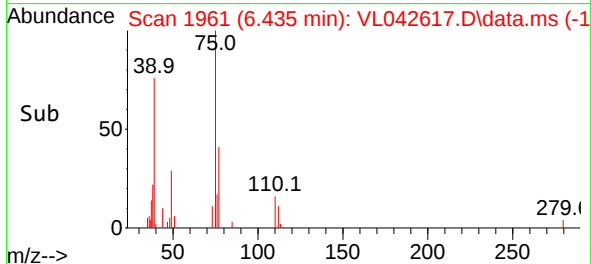
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



Tgt Ion: 75 Resp: 4864
 Ion Ratio Lower Upper
 75 100
 77 40.8 24.2 36.25

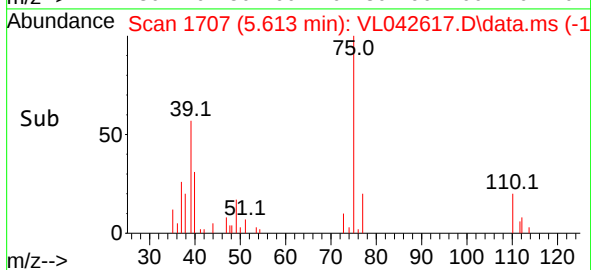
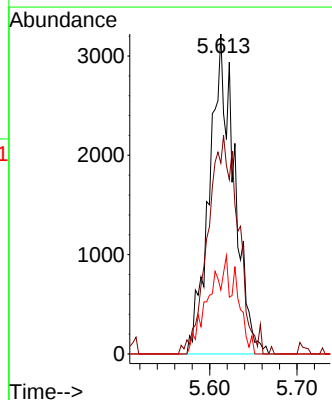
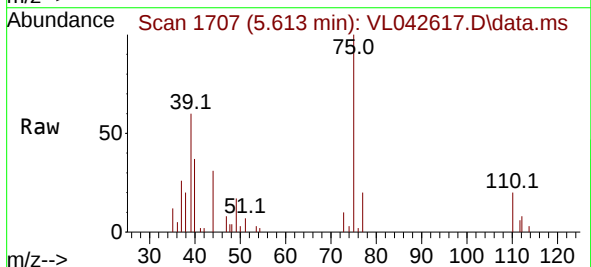
Manual Integrations
 APPROVED

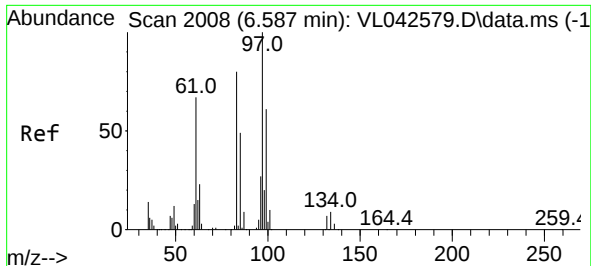
Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.431 ppbv m
 RT: 5.613 min Scan# 1707
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

Tgt Ion: 75 Resp: 6385
 Ion Ratio Lower Upper
 75 100
 39 59.7 52.7 79.1
 77 20.0 25.8 38.85





#47

1,1,2-Trichloroethane

Concen: 0.515 ppbv m

RT: 6.590 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

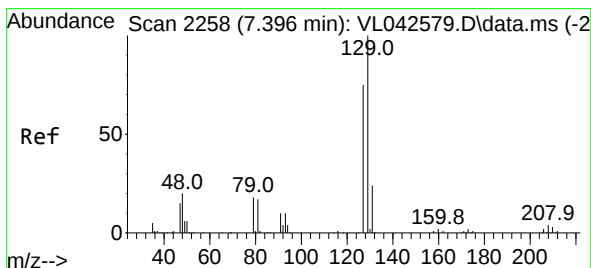
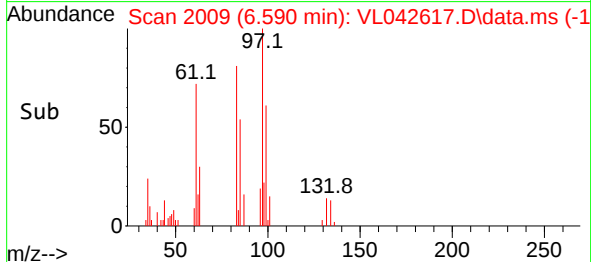
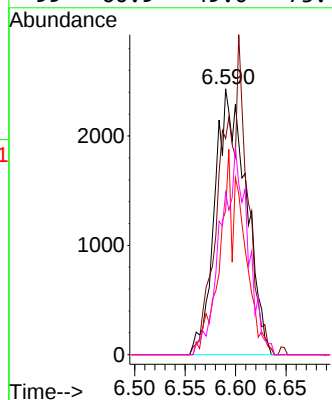
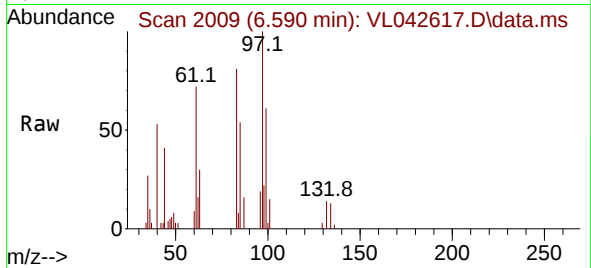
MDL-AIR-03-QT2-2025

Tgt Ion: 97	Resp: 5250
Ion Ratio	Lower Upper
97 100	
83 81.3	63.9 95.9
85 54.1	39.2 58.8
99 60.9	49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#48

Dibromochloromethane

Concen: 0.510 ppbv m

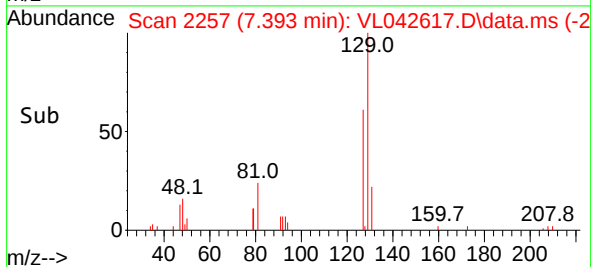
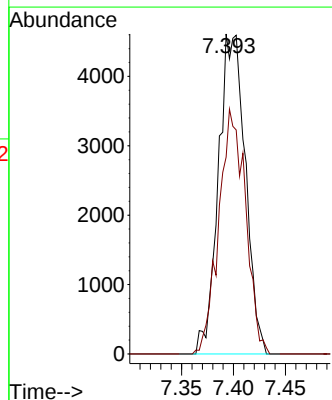
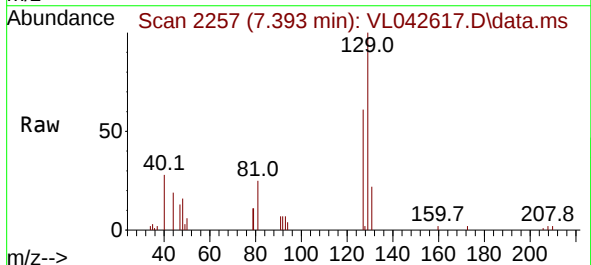
RT: 7.393 min Scan# 2257

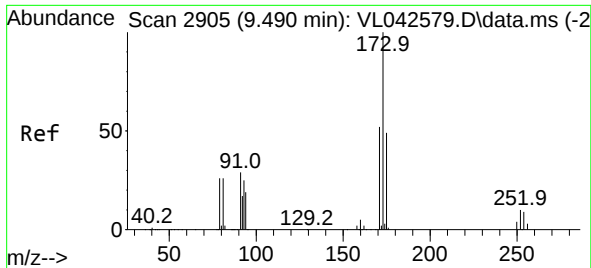
Delta R.T. -0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

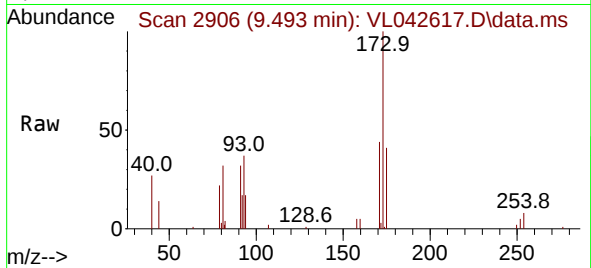
Tgt Ion:129	Resp: 8310
Ion Ratio	Lower Upper
129 100	
127 0.0	39.0 116.9#





#49
Bromoform
Concen: 0.474 ppbv
RT: 9.493 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

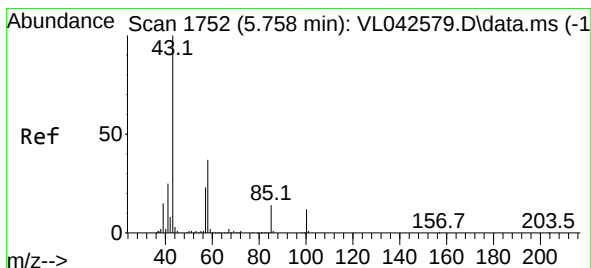
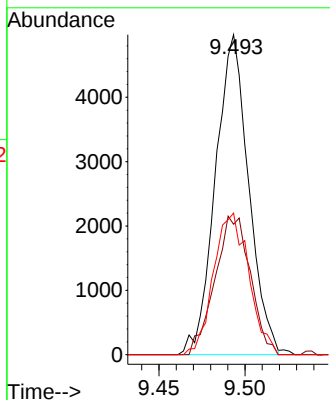
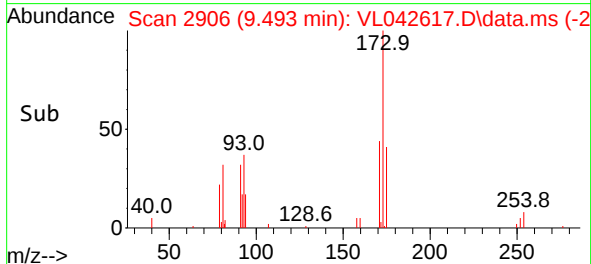
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion:173 Resp: 6660
Ion Ratio Lower Upper
173 100
175 46.2 38.7 58.1
171 47.0 41.2 61.8

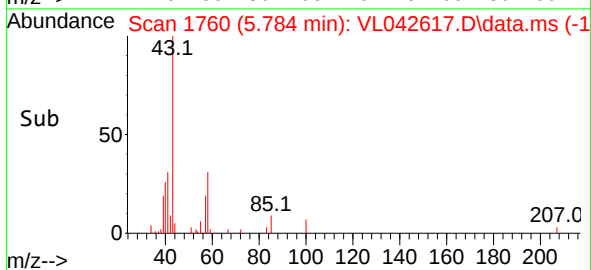
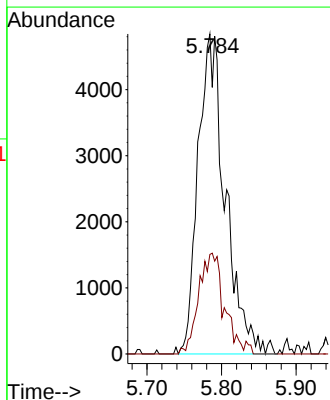
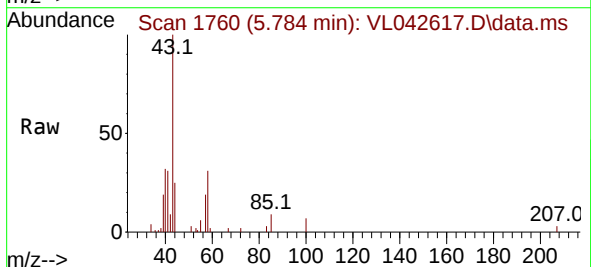
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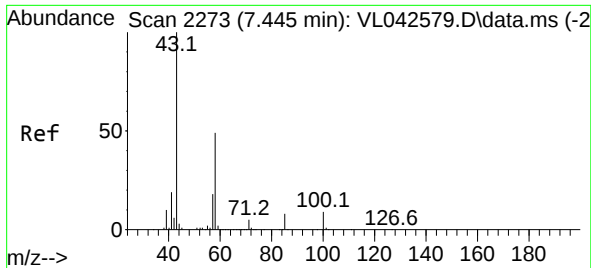
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#50
4-Methyl-2-Pentanone
Concen: 0.460 ppbv m
RT: 5.784 min Scan# 1760
Delta R.T. 0.026 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

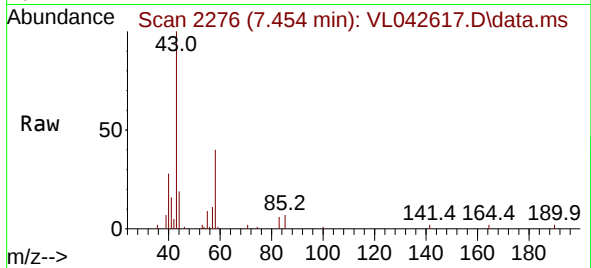
Tgt Ion: 43 Resp: 12304
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#





#51
2-Hexanone
Concen: 0.377 ppbv
RT: 7.454 min Scan# 2273
Delta R.T. 0.010 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

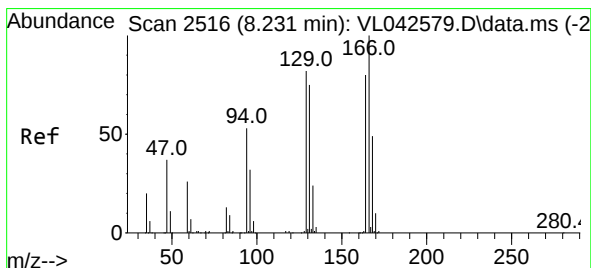
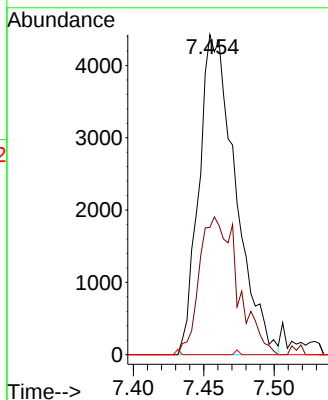
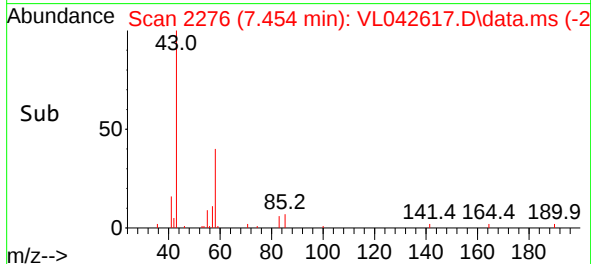
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 43 Resp: 7980
Ion Ratio Lower Upper
43 100
58 45.3 39.9 59.9
98 0.2 0.1 0.1

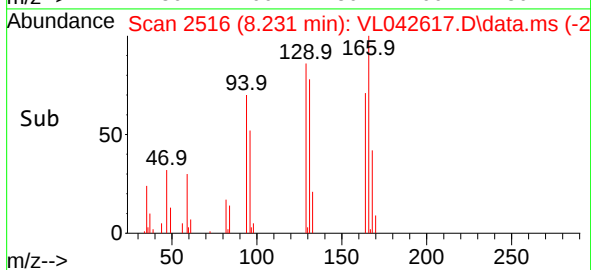
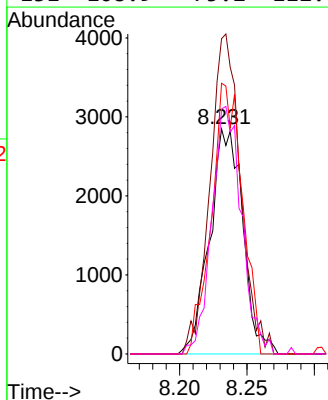
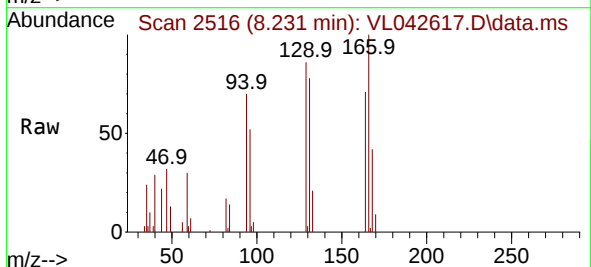
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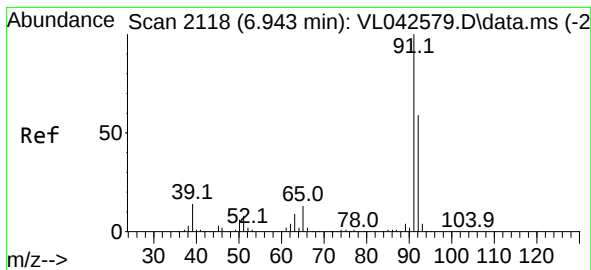
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#52
Tetrachloroethene
Concen: 0.490 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion:164 Resp: 4877
Ion Ratio Lower Upper
164 100
166 140.1 100.0 150.0
129 120.3 82.2 123.4
131 108.9 75.2 112.8





#53

Toluene

Concen: 0.414 ppbv

RT: 6.943 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 1273

Ion Ratio Lower Upper

91 100

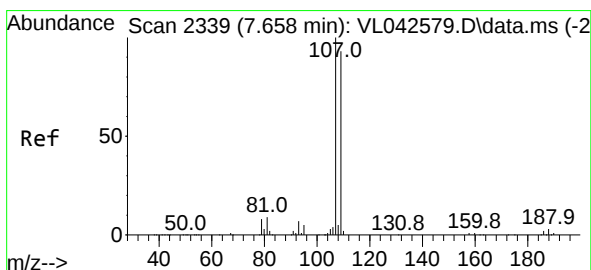
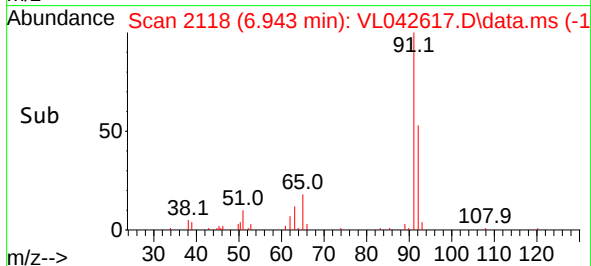
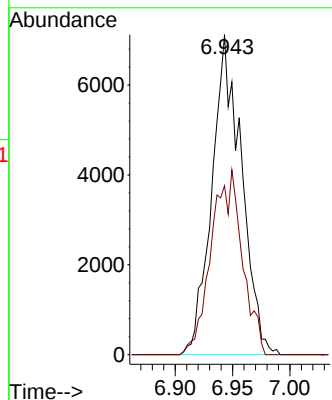
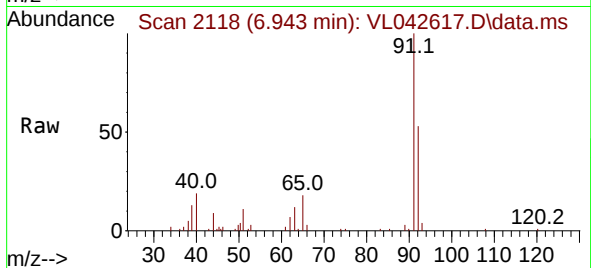
92 60.8 48.2 72.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025

Supervised By :Mahesh Dadoda 06/06/2025



#54

1,2-Dibromoethane

Concen: 0.484 ppbv m

RT: 7.661 min Scan# 2340

Delta R.T. 0.003 min

Lab File: VL042617.D

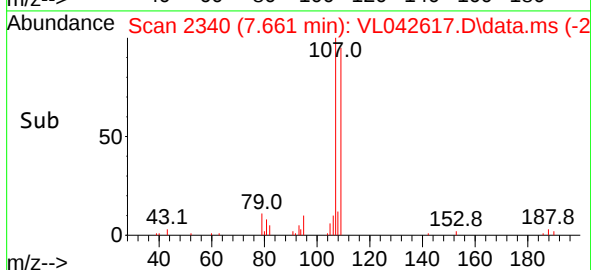
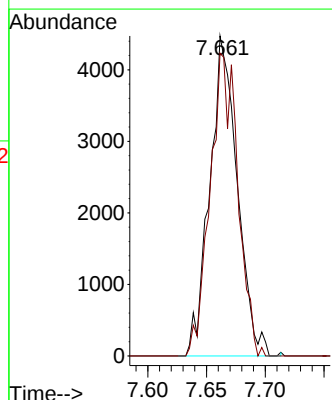
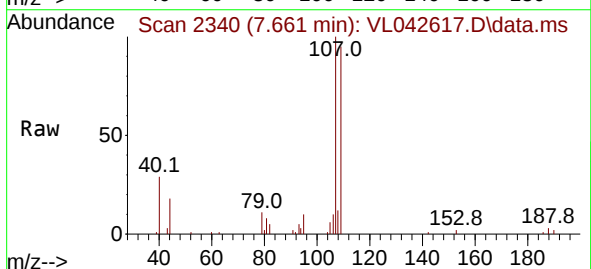
Acq: 05 Jun 2025 12:03

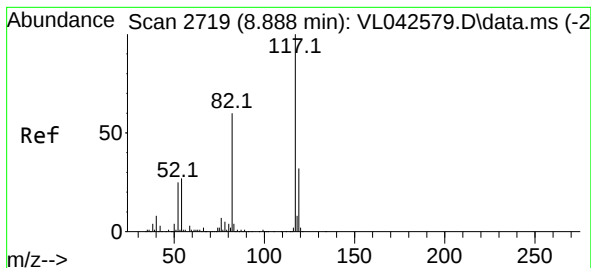
Tgt Ion:107 Resp: 7303

Ion Ratio Lower Upper

107 100

109 94.6 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

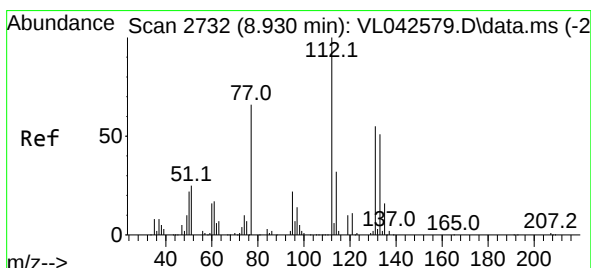
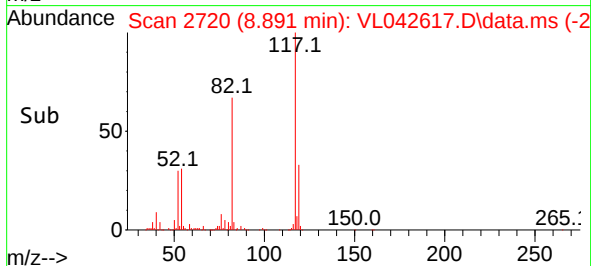
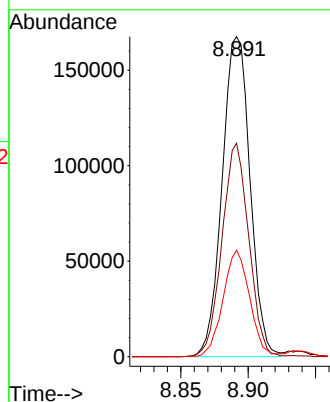
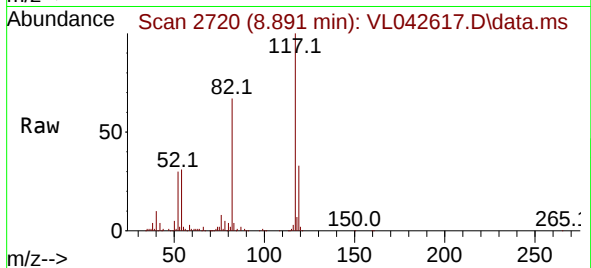
MDL-AIR-03-QT2-2025

Tgt Ion:	117	Resp:	24161
Ion Ratio	Lower	Upper	
117	100		
82	64.1	51.2	76.8
119	31.9	26.3	39.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.548 ppbv m

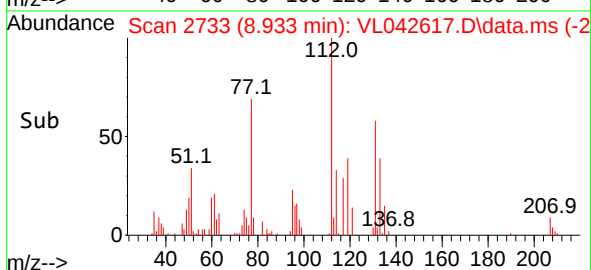
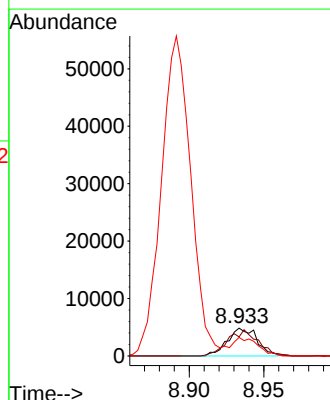
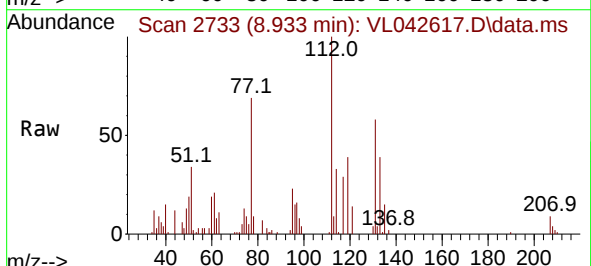
RT: 8.933 min Scan# 2733

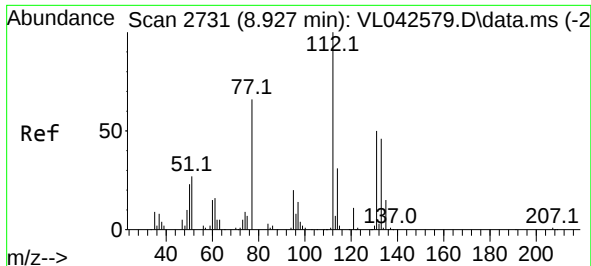
Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion:	131	Resp:	6652
Ion Ratio	Lower	Upper	
131	100		
133	97.6	75.0	112.6
119	52.7	50.8	76.2





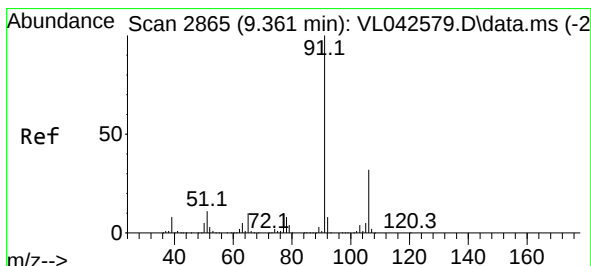
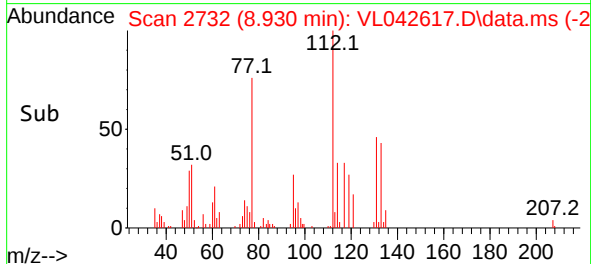
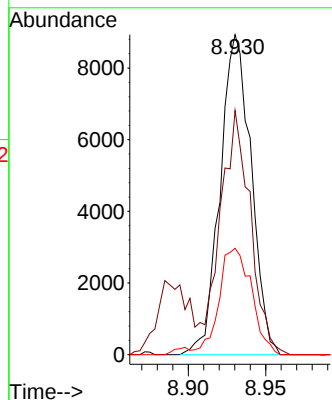
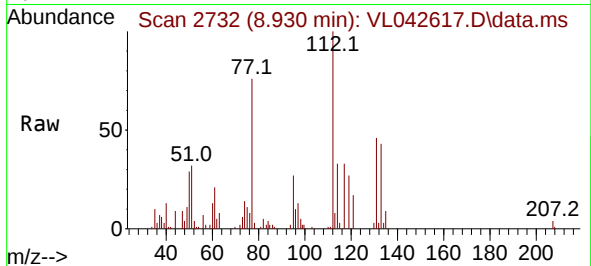
#57
Chlorobenzene
Concen: 0.531 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 112 Resp: 12440
Ion Ratio Lower Upper
112 100
77 74.7 53.5 80.3
114 33.3 27.8 34.0

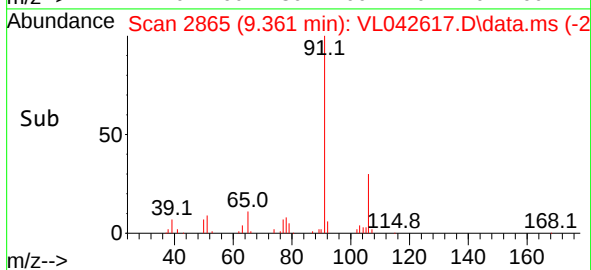
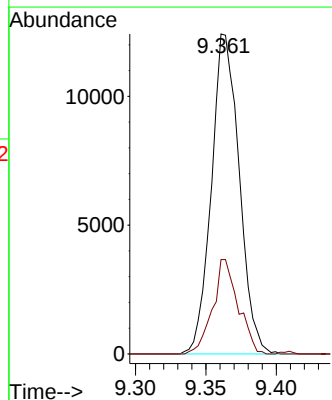
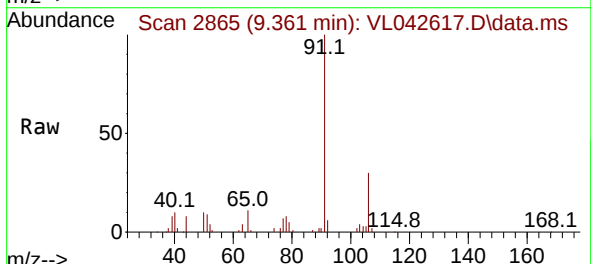
Manual Integrations
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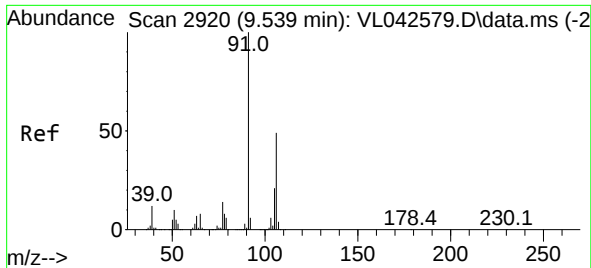
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#58
Ethyl Benzene
Concen: 0.418 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion: 91 Resp: 17127
Ion Ratio Lower Upper
91 100
106 29.5 25.9 38.9





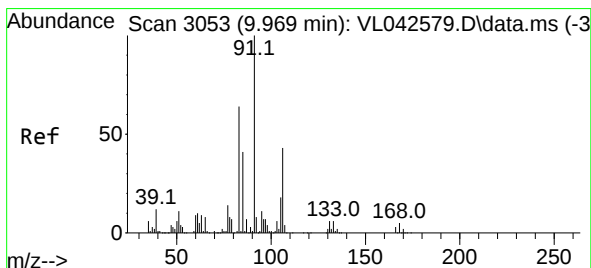
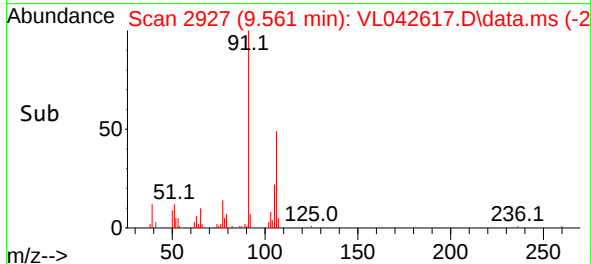
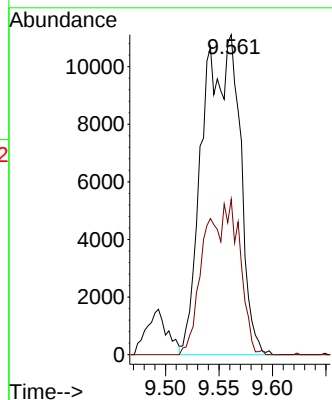
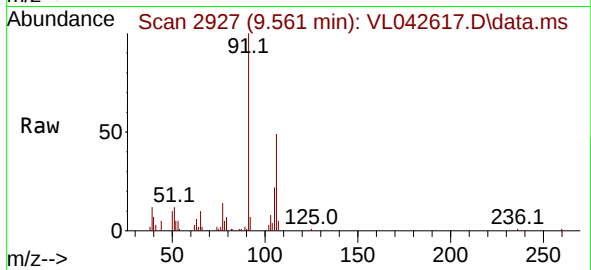
#59
m/p-Xylene
Concen: 0.829 ppbv m
RT: 9.561 min Scan# 2920
Delta R.T. 0.023 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 26740
Ion Ratio Lower Upper
91 100
106 0.0 38.8 58.2

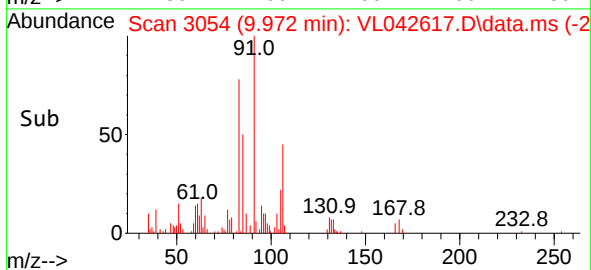
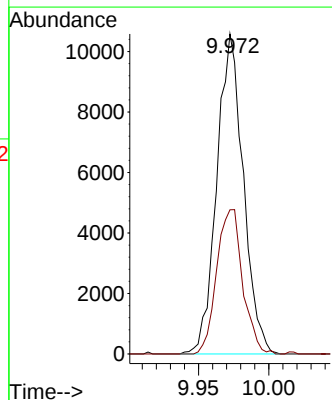
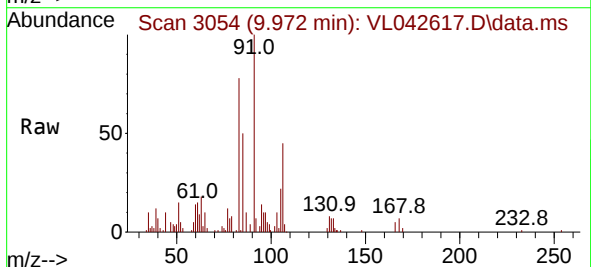
Manual Integrations
APPROVED

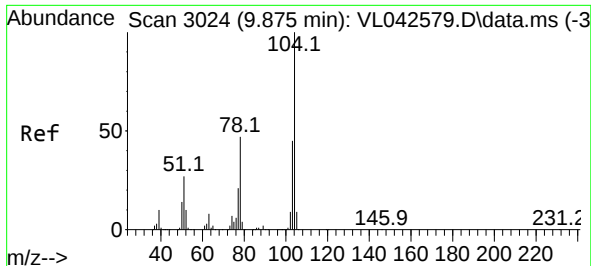
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#60
o-Xylene
Concen: 0.431 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

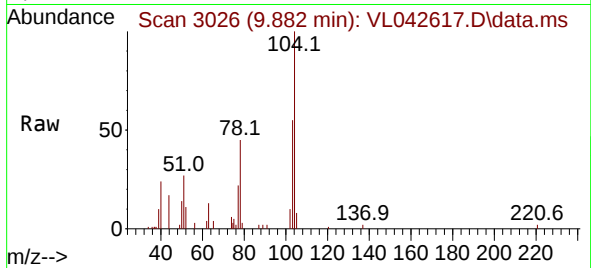
Tgt Ion: 91 Resp: 13877
Ion Ratio Lower Upper
91 100
106 44.4 22.9 68.5





#61
Styrene
Concen: 0.336 ppbv
RT: 9.882 min Scan# 3024
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

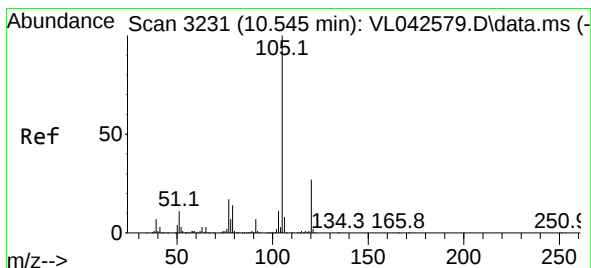
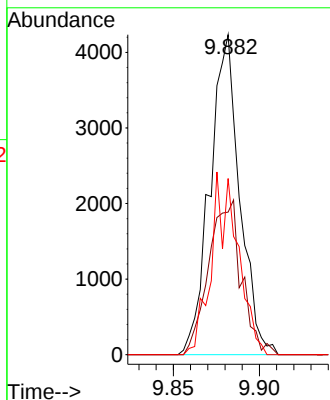
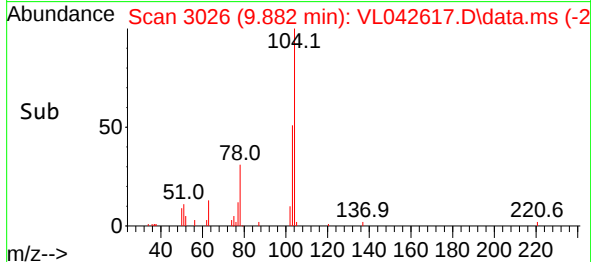
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



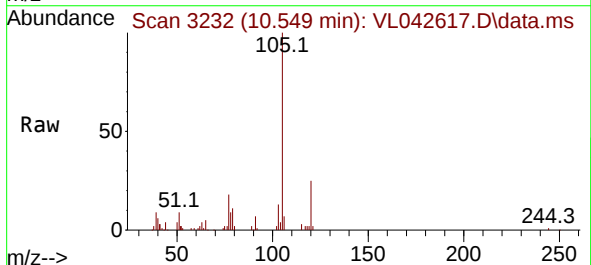
Tgt Ion:104 Resp: 5100
Ion Ratio Lower Upper
104 100
78 53.0 38.2 57.4
103 51.1 36.7 55.1

Manual Integrations
APPROVED

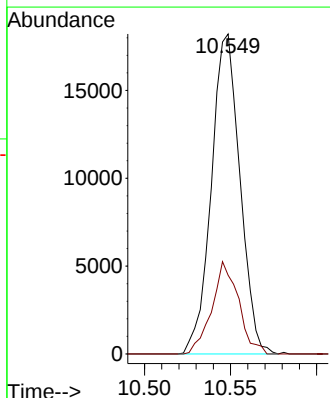
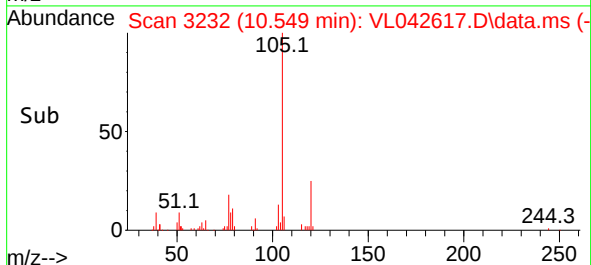
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

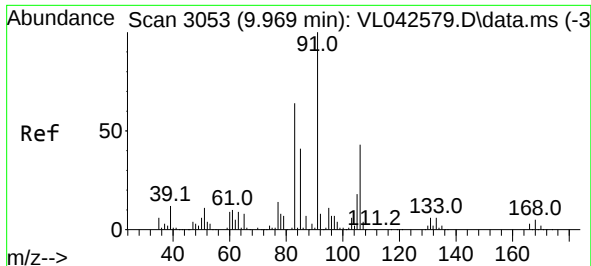


#62
Isopropylbenzene
Concen: 0.444 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03



Tgt Ion:105 Resp: 21078
Ion Ratio Lower Upper
105 100
120 26.9 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.532 ppbv

RT: 9.976 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

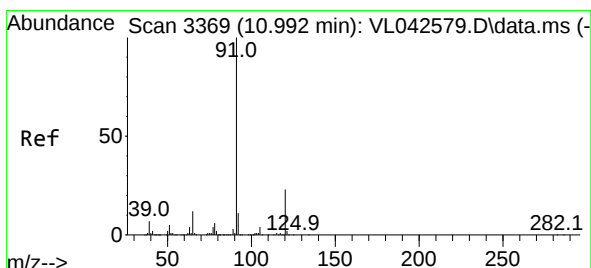
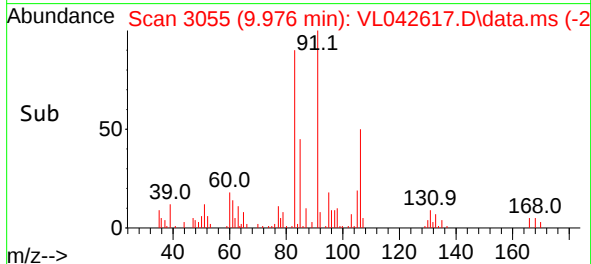
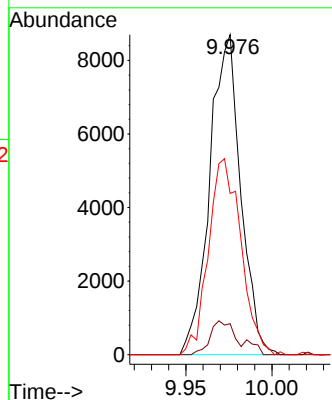
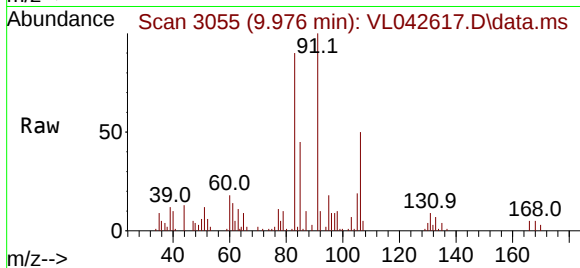
MDL-AIR-03-QT2-2025

Tgt Ion:	83	Resp:	1088
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.3	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#64

n-propylbenzene

Concen: 0.418 ppbv

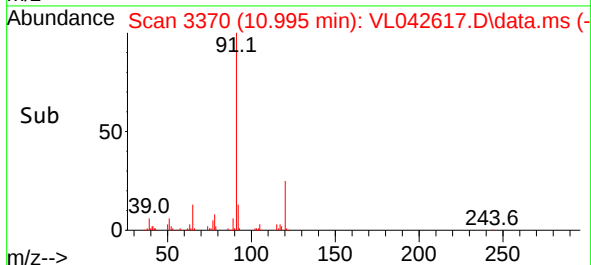
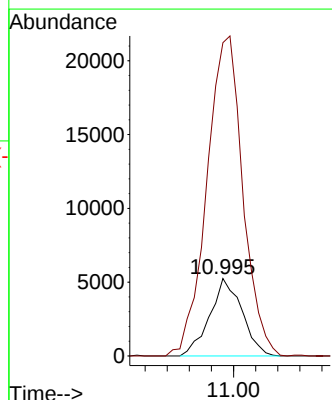
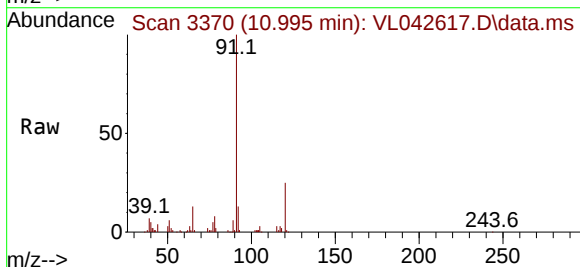
RT: 10.995 min Scan# 3370

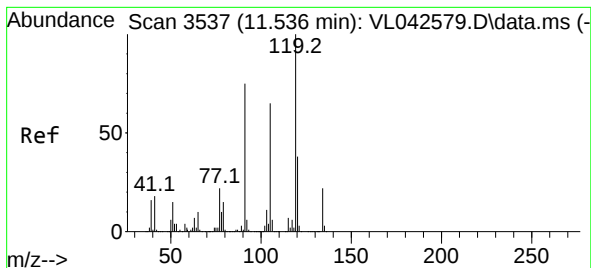
Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion:	120	Resp:	5325
Ion	Ratio	Lower	Upper
120	100		
91	460.8	363.0	544.6





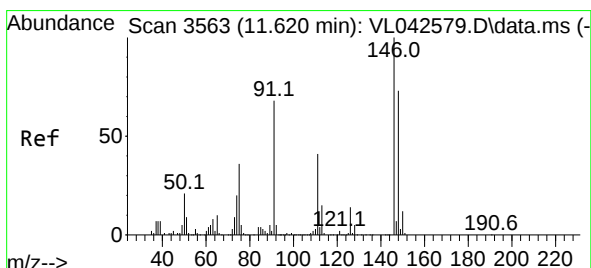
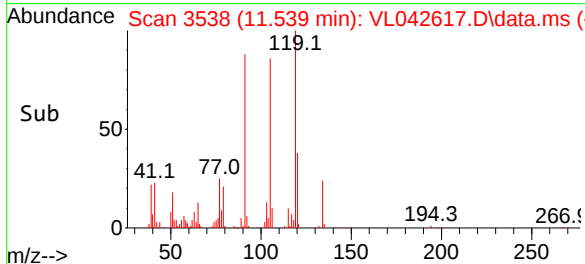
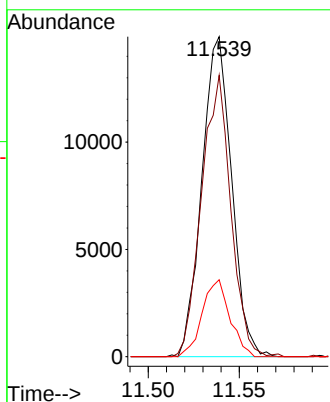
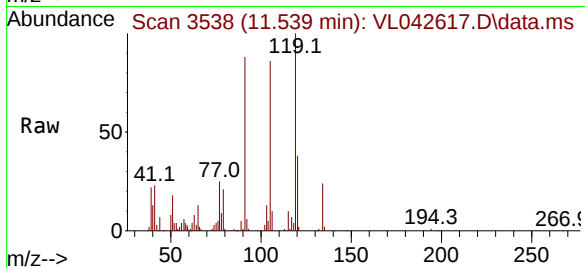
#65
tert-Butylbenzene
Concen: 0.392 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 119 Resp: 16908
Ion Ratio Lower Upper
119 100
91 86.6 61.1 91.7
134 22.4 17.4 26.2

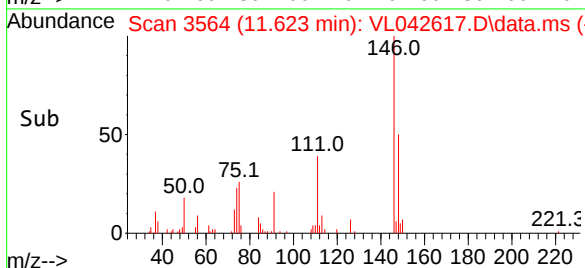
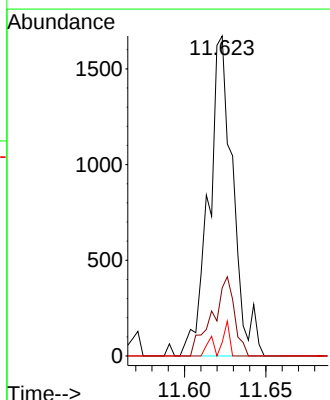
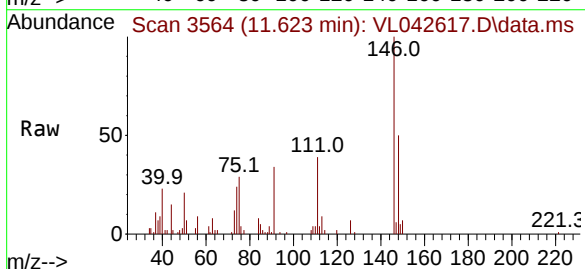
Manual Integrations
APPROVED

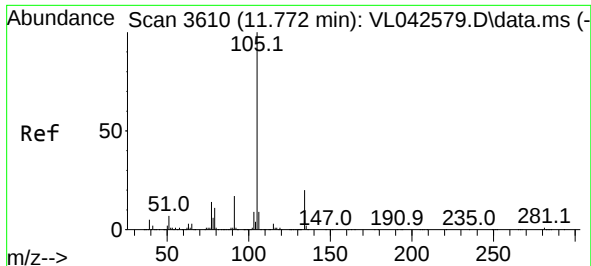
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#66
Benzyl Chloride
Concen: 0.311 ppbv m
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

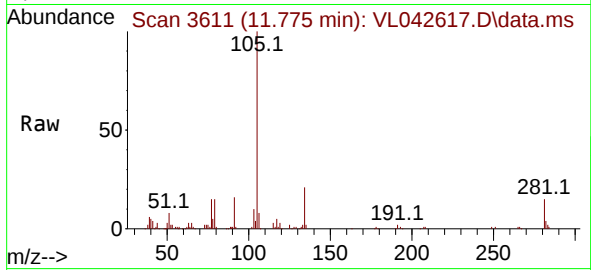
Tgt Ion: 91 Resp: 1724
Ion Ratio Lower Upper
91 100
126 22.6 15.1 22.7
128 0.0 5.0 7.6#





#67
 sec-Butylbenzene
 Concen: 0.429 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03

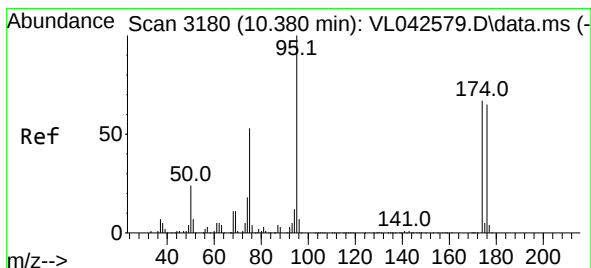
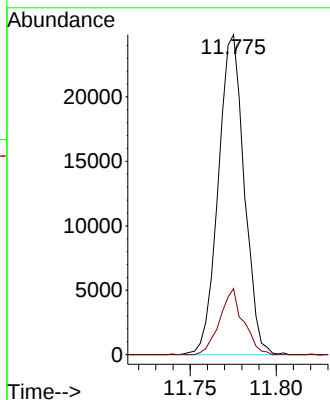
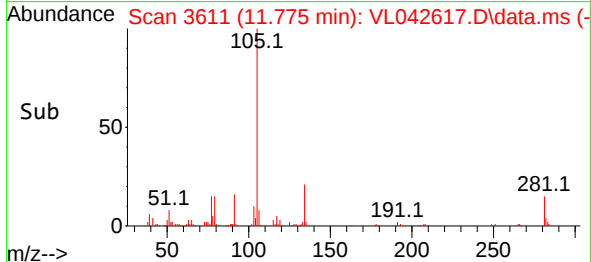
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025



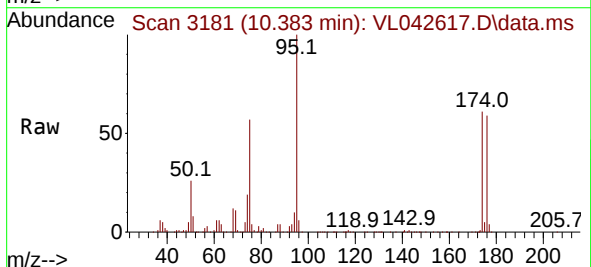
Tgt Ion: 105 Resp: 26028
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.8 23.6

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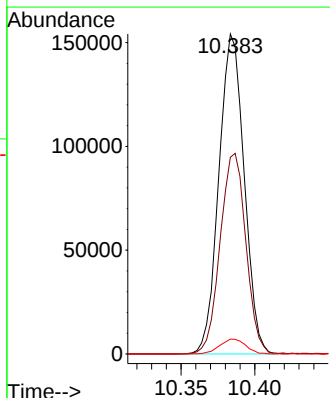
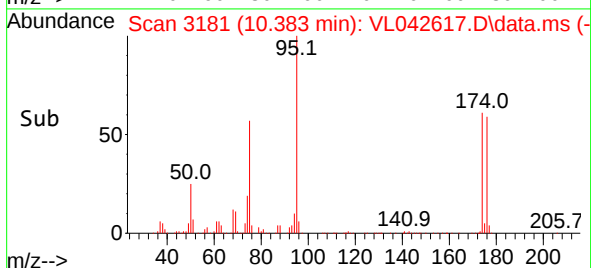
Reviewed By : Semsettin Yesilyurt 06/06/2025
 Supervised By : Mahesh Dadoda 06/06/2025

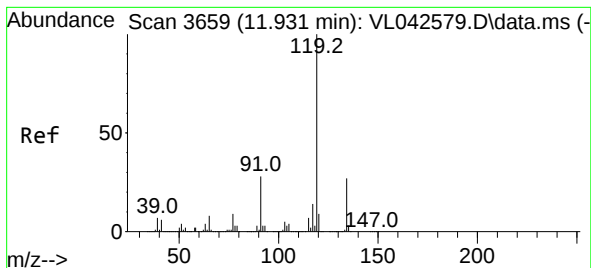


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.144 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042617.D
 Acq: 05 Jun 2025 12:03



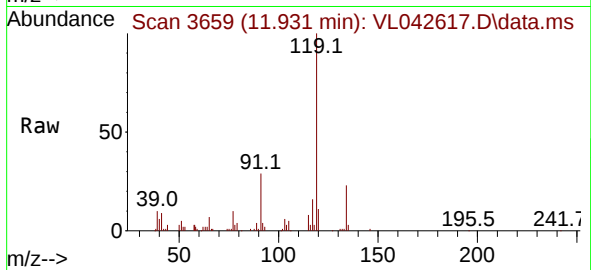
Tgt Ion: 95 Resp: 183730
 Ion Ratio Lower Upper
 95 100
 174 63.9 53.1 79.7
 175 4.8 4.2 6.2





#69
p-Isopropyltoluene
Concen: 0.384 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

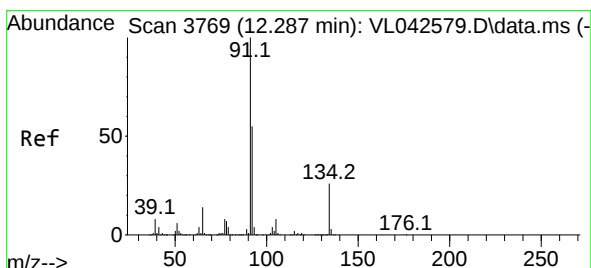
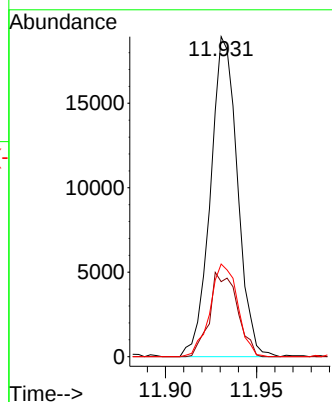
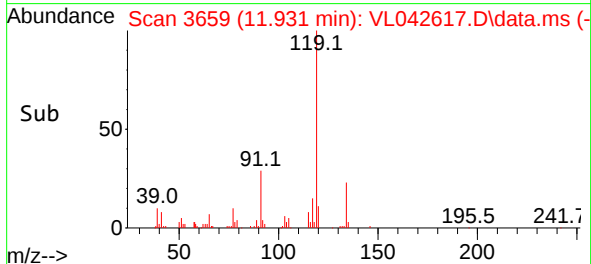
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



Tgt Ion: 119 Resp: 19500
Ion Ratio Lower Upper
119 100
134 27.1 21.1 31.7
91 29.6 21.9 32.9

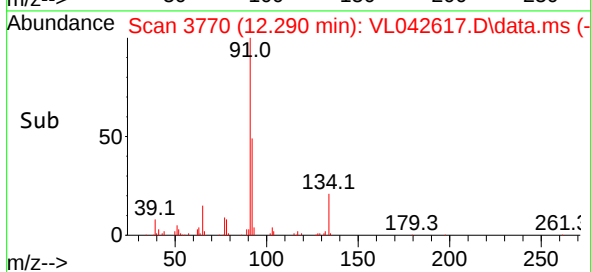
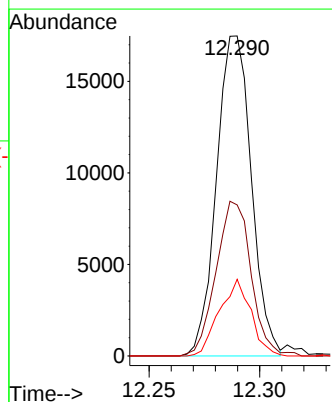
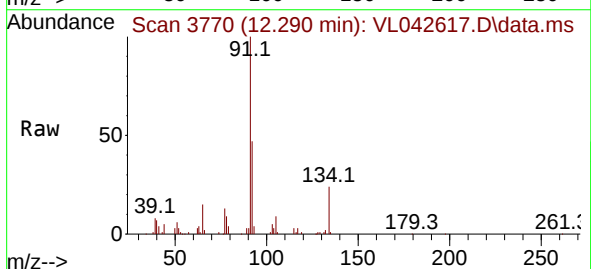
Manual Integrations
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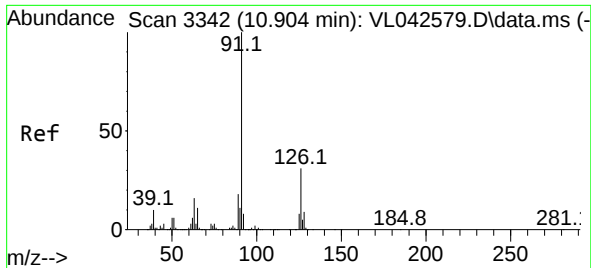
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#70
n-Butylbenzene
Concen: 0.382 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion: 91 Resp: 19163
Ion Ratio Lower Upper
91 100
92 48.5 44.4 66.6
134 21.6 20.1 30.1





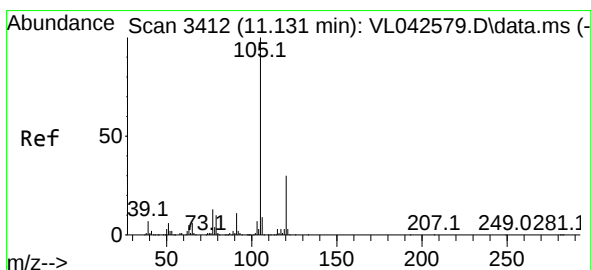
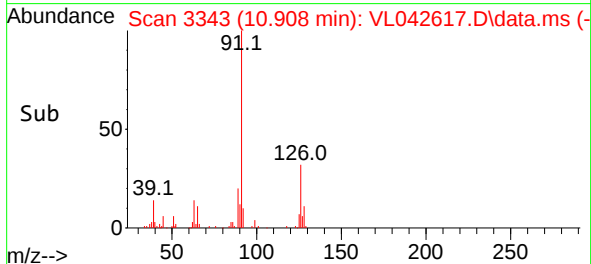
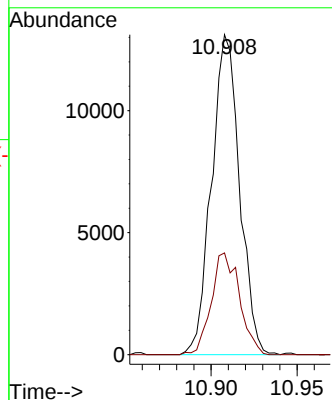
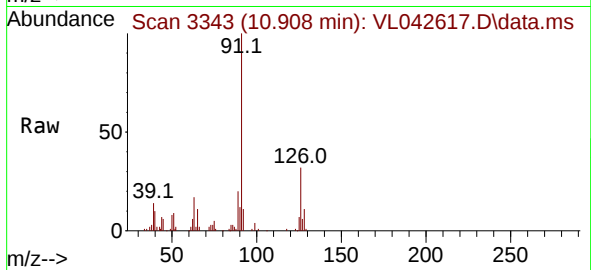
#71
2-Chlorotoluene
Concen: 0.410 ppbv
RT: 10.908 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 14860
Ion Ratio Lower Upper
91 100
126 32.0 12.6 50.4

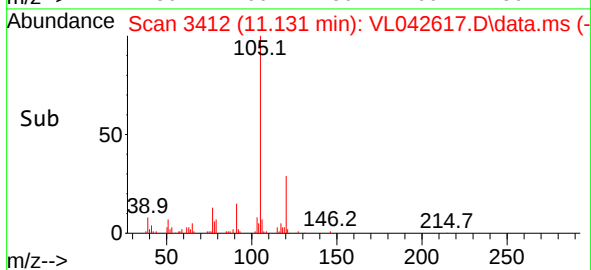
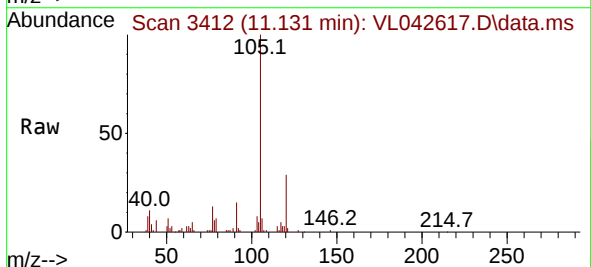
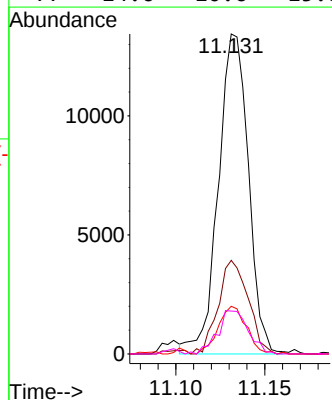
Manual Integrations
APPROVED

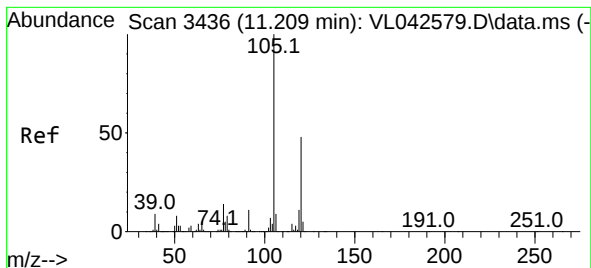
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#72
4-Ethyltoluene
Concen: 0.394 ppbv m
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Tgt Ion:105 Resp: 15819
Ion Ratio Lower Upper
105 100
120 30.1 24.6 36.8
91 15.0 9.6 14.4#
77 14.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.412 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

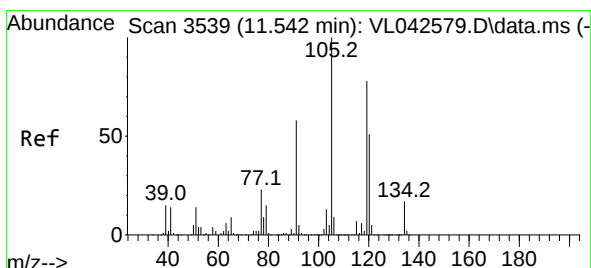
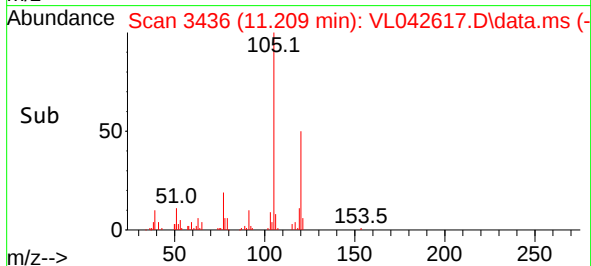
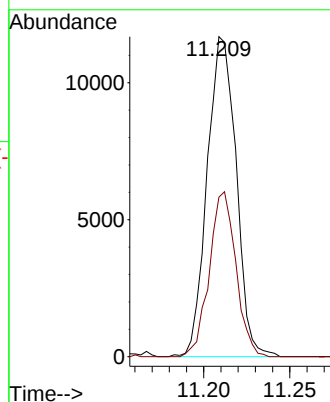
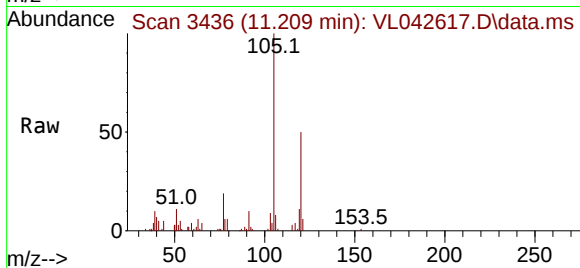
MDL-AIR-03-QT2-2025

Tgt Ion:105 Resp: 13664
 Ion Ratio Lower Upper
 105 100
 120 49.9 38.8 58.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.419 ppbv

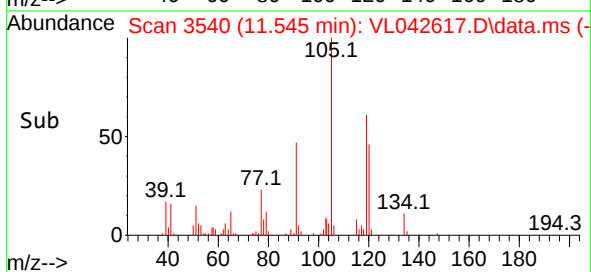
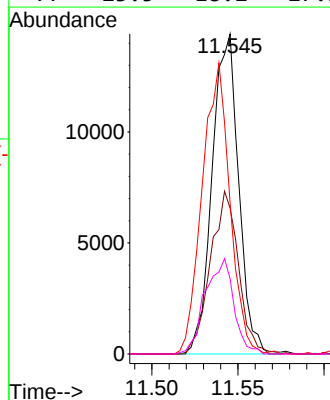
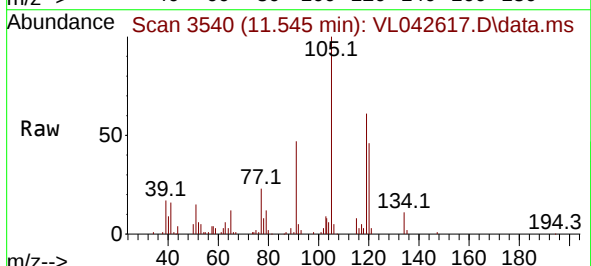
RT: 11.545 min Scan# 3540

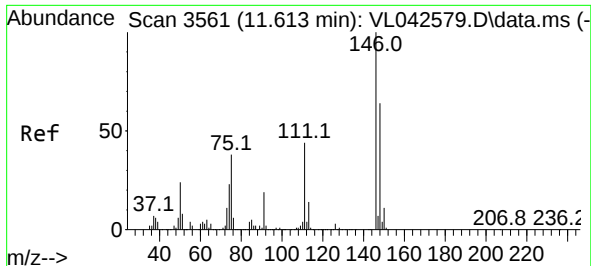
Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion:105 Resp: 15441
 Ion Ratio Lower Upper
 105 100
 120 45.6 40.8 61.2
 91 47.0 46.8 70.2
 77 23.5 18.2 27.2





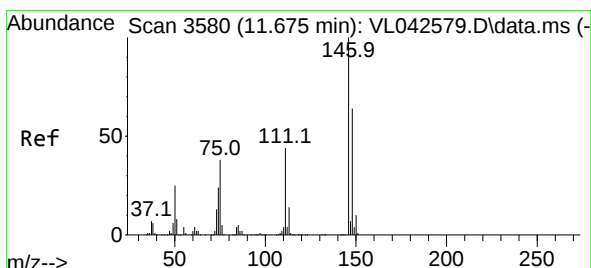
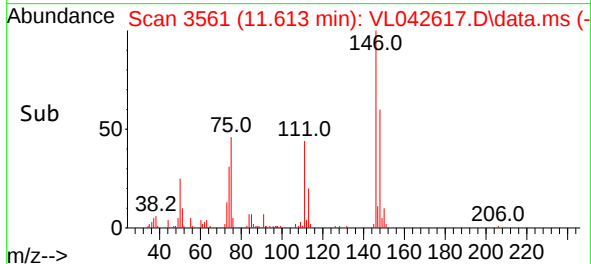
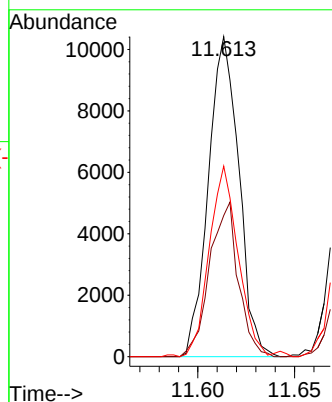
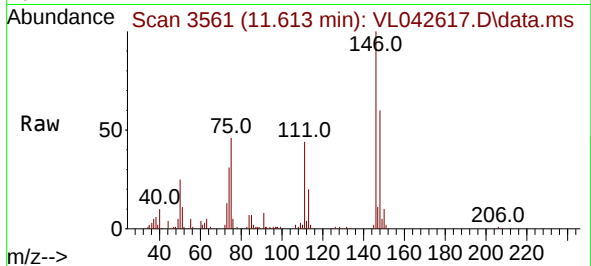
#75
1,3-Dichlorobenzene
Concen: 0.493 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025

Tgt Ion:146 Resp: 1140
Ion Ratio Lower Upper
146 100
111 45.5 22.4 67.3
148 57.3 32.0 96.2

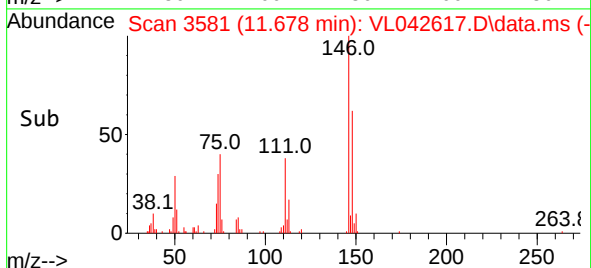
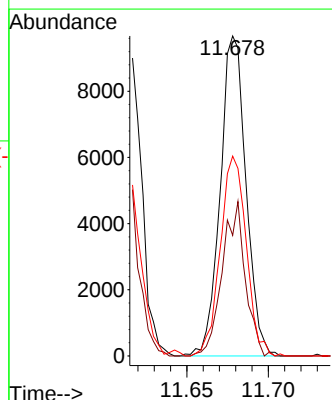
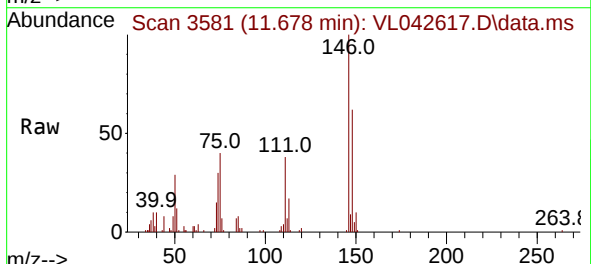
Manual Integrations
APPROVED

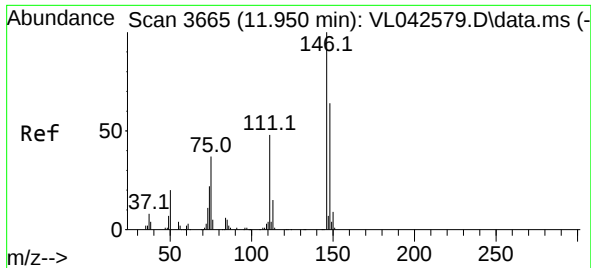
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025



#76
1,4-Dichlorobenzene
Concen: 0.461 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

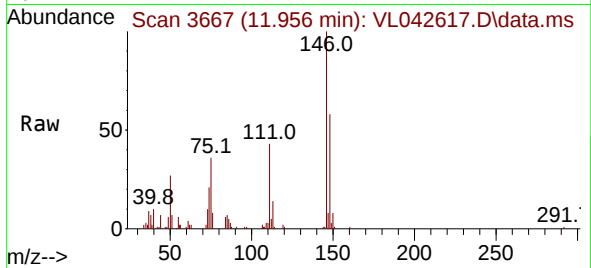
Tgt Ion:146 Resp: 10641
Ion Ratio Lower Upper
146 100
111 43.1 21.6 64.8
148 62.7 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 0.517 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.007 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03

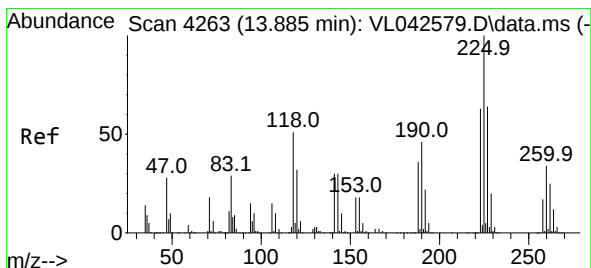
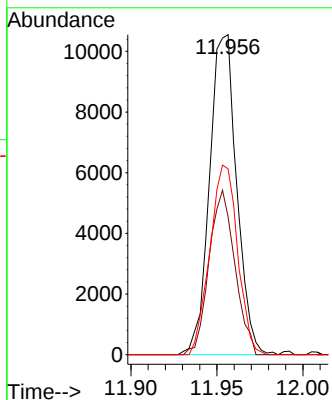
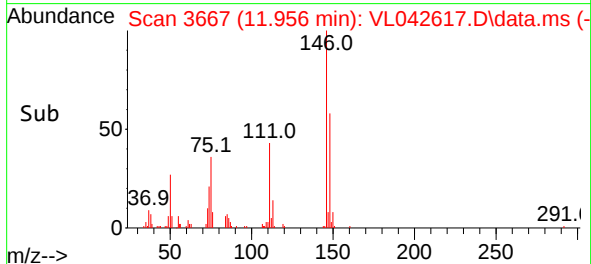
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2025



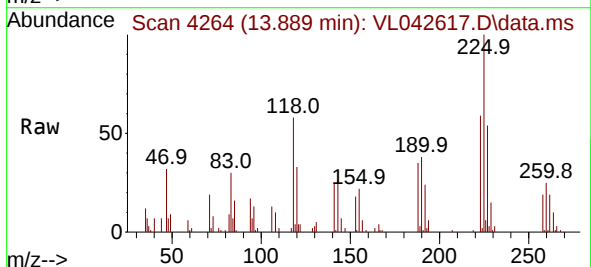
Tgt Ion:146 Resp: 1161
Ion Ratio Lower Upper
146 100
111 48.7 23.1 69.3
148 60.2 32.1 96.3

Manual Integrations
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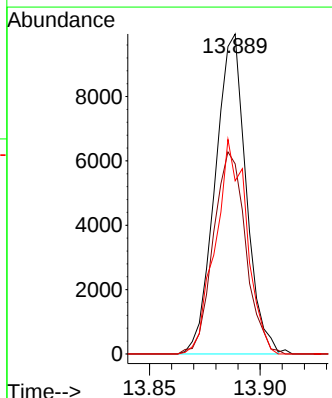
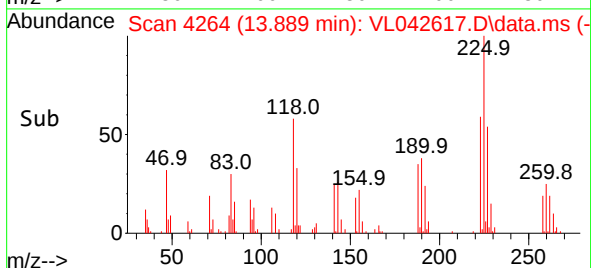
Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

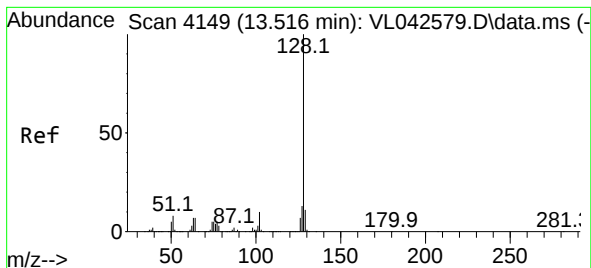


#78
Hexachloro-1,3-Butadiene
Concen: 0.520 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042617.D
Acq: 05 Jun 2025 12:03



Tgt Ion:225 Resp: 9667
Ion Ratio Lower Upper
225 100
223 66.1 50.2 75.4
227 67.9 51.1 76.7





#79

Naphthalene

Concen: 0.211 ppbv m

RT: 13.520 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

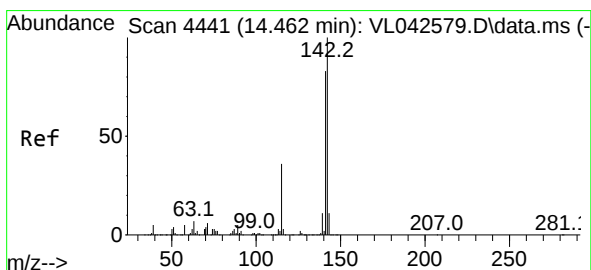
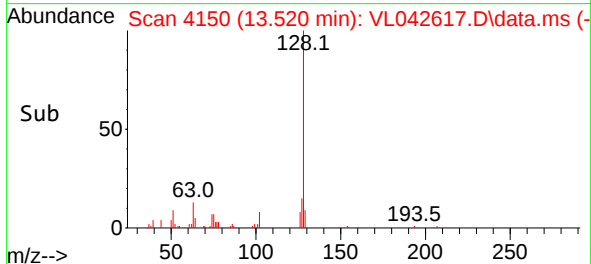
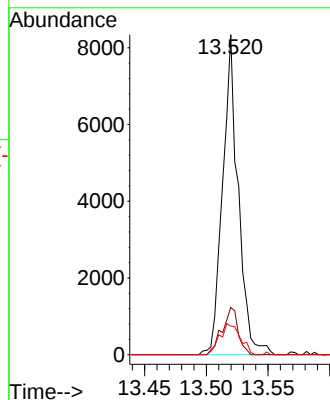
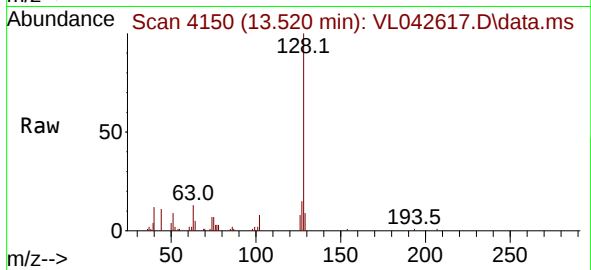
MDL-AIR-03-QT2-2025

Tgt Ion:128 Resp: 7310
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.2 15.4
 129 8.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
 Supervised By :Mahesh Dadoda 06/06/2025



#80

Naphthalene,2-methyl-

Concen: 0.048 ppbv

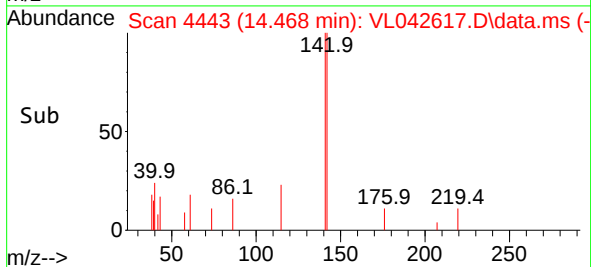
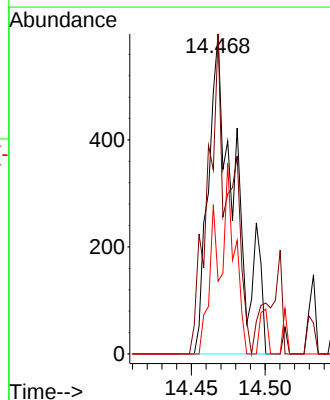
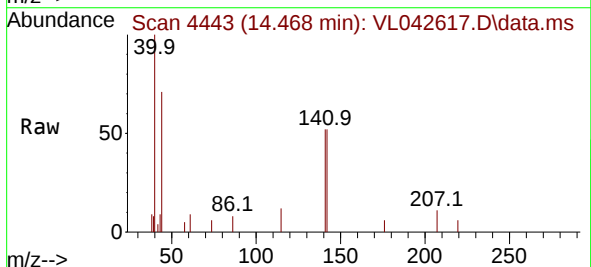
RT: 14.468 min Scan# 4443

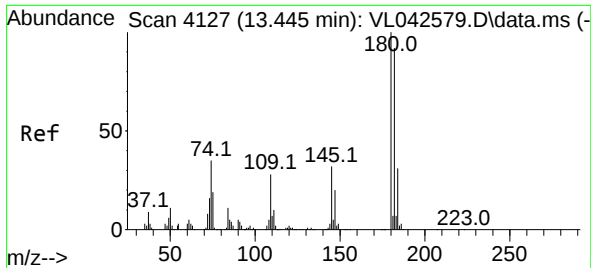
Delta R.T. 0.007 min

Lab File: VL042617.D

Acq: 05 Jun 2025 12:03

Tgt Ion:142 Resp: 757
 Ion Ratio Lower Upper
 142 100
 141 89.0 66.2 99.4
 115 46.0 28.3 42.5#





#81

1,2,4-Trichlorobenzene

Concen: 0.238 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042617.D

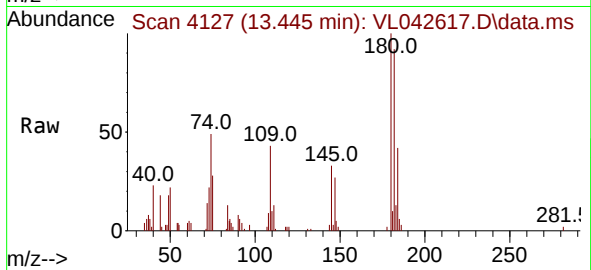
Acq: 05 Jun 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2025



Tgt Ion:	180	Resp:	4619
Ion	Ratio	Lower	Upper
180	100		
182	101.6	75.0	112.4
184	33.4	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2025
Supervised By :Mahesh Dadoda 06/06/2025

