

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041668.D
 Acq On : 14 Oct 2024 15:00
 Operator : SY/MD
 Sample : P4368-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Quant Time: Oct 15 02:42:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	1007129	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.668	114	2693747	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.484	117	2403576	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1819115 10.281 ppbv 0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	76852	0.528	ppbv	92
3) Chlorodifluoromethane	2.671	51	53922	0.441	ppbv	100
4) Chloromethane	2.809	50	29140	0.434	ppbv	100
5) Vinyl Chloride	2.919	62	24272	0.417	ppbv	94
6) Bromomethane	3.121	94	11236	0.388	ppbv	97
7) Chloroethane	3.195	64	10336	0.457	ppbv #	77
8) Dichlorotetrafluoroethane	2.854	85	65672	0.430	ppbv	93
9) Propene	2.690	41	18378	0.357	ppbv	94
10) Heptane	7.600	43	33594m	0.278	ppbv	
11) Trichlorofluoromethane	3.565	101	65241	0.422	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.070	101	46297	0.413	ppbv	99
13) Ethanol	3.266	45	870m	0.225	ppbv	
14) Bromoethene	3.365	108	16035	0.377	ppbv #	91
15) Acetone	3.491	43	64114	0.507	ppbv	98
16) 1,3-Butadiene	2.983	39	21752	0.354	ppbv	100
17) tert-Butyl alcohol	3.909	59	30076	0.270	ppbv #	91
18) 1,1-Dichloroethene	3.883	96	19576	0.413	ppbv	94
19) Isopropyl Alcohol	3.603	45	13103m	0.202	ppbv	
20) Methylene Chloride	3.935	84	21763	0.458	ppbv	97
21) Allyl Chloride	4.005	41	28970m	0.395	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	19994m	0.422	ppbv	
23) Vinyl Acetate	4.652	43	31815m	0.457	ppbv	
24) 1,1-Dichloroethane	4.568	63	42866	0.411	ppbv	97
25) Ethyl Acetate	5.224	43	77805	0.343	ppbv	98
26) Hexane	5.227	57	29183	0.308	ppbv #	71
27) Carbon Disulfide	4.131	76	32886	0.327	ppbv #	86
28) Methyl tert-Butyl Ether	4.607	73	20296	0.348	ppbv #	89
29) Chloroform	5.282	83	63417	0.409	ppbv	99
30) Cyclohexane	6.613	84	26157m	0.358	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	27926m	0.311	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	55602	0.403	ppbv	95
34) 2-Butanone	4.816	43	51548m	0.401	ppbv	
35) Carbon Tetrachloride	6.507	117	54786	0.415	ppbv #	91
36) Benzene	6.378	78	58789m	0.314	ppbv	
37) 1,2-Dichloroethane	5.816	62	41905	0.386	ppbv	97
38) Trichloroethene	7.314	130	34834m	0.362	ppbv	
39) 1,2-Dichloropropane	7.092	63	30094m	0.395	ppbv	
40) 1,4-Dioxane	7.352	88	4648m	0.162	ppbv	
41) Tetrahydrofuran	5.597	42	20357m	0.288	ppbv	
42) Bromodichloromethane	7.259	83	54626m	0.362	ppbv	
43) Methyl Methacrylate	7.497	69	15611m	0.233	ppbv	
44) 2,2,4-Trimethylpentane	7.346	57	93230	0.288	ppbv #	82
45) t-1,3-Dichloropropene	8.729	75	12534m	0.232	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 02:42:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	20630m	0.261	ppbv	
47) 1,1,2-Trichloroethane	8.922	97	30841m	0.382	ppbv	
48) Dibromochloromethane	9.722	129	39327	0.321	ppbv	97
49) Bromoform	12.433	173	31181m	0.297	ppbv	
50) 4-Methyl-2-Pentanone	8.227	43	53249m	0.268	ppbv	
51) 2-Hexanone	9.606	43	34735m	0.232	ppbv	
52) Tetrachloroethene	10.638	164	23495m	0.347	ppbv	
53) Toluene	9.240	91	45016m	0.227	ppbv	
54) 1,2-Dibromoethane	10.024	107	33840m	0.340	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.529	131	38772m	0.413	ppbv	
57) Chlorobenzene	11.542	112	75844m	0.438	ppbv	
58) Ethyl Benzene	12.111	91	63976	0.249	ppbv	94
59) m/p-Xylene	12.397	91	123081m	0.537	ppbv	
60) o-Xylene	13.082	91	56313m	0.256	ppbv	
61) Styrene	12.918	104	18956m	0.207	ppbv	
62) Isopropylbenzene	14.053	105	106344m	0.320	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	46742	0.416	ppbv	95
64) n-propylbenzene	14.944	120	24055m	0.280	ppbv	
65) tert-Butylbenzene	16.117	119	86685m	0.284	ppbv	
66) Benzyl Chloride	16.362	91	6831m	0.431	ppbv	
67) sec-Butylbenzene	16.661	105	125867	0.298	ppbv	98
69) p-Isopropyltoluene	17.027	119	84619m	0.247	ppbv	
70) n-Butylbenzene	17.918	91	94463m	0.263	ppbv	
71) 2-Chlorotoluene	14.825	91	68854	0.281	ppbv	100
72) 4-Ethyltoluene	15.220	105	63481	0.247	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.378	105	60602m	0.267	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	81474m	0.307	ppbv	
75) 1,3-Dichlorobenzene	16.359	146	59808m	0.360	ppbv	
76) 1,4-Dichlorobenzene	16.500	146	60747m	0.381	ppbv	
77) 1,2-Dichlorobenzene	17.175	146	61020m	0.372	ppbv	
78) Hexachloro-1,3-Butadiene	22.664	225	53974m	0.399	ppbv	
79) Naphthalene	21.419	128	28816m	0.148	ppbv	
80) Naphthalene,2-methyl-	24.435	142	10057m	0.074	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	24827m	0.200	ppbv	

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

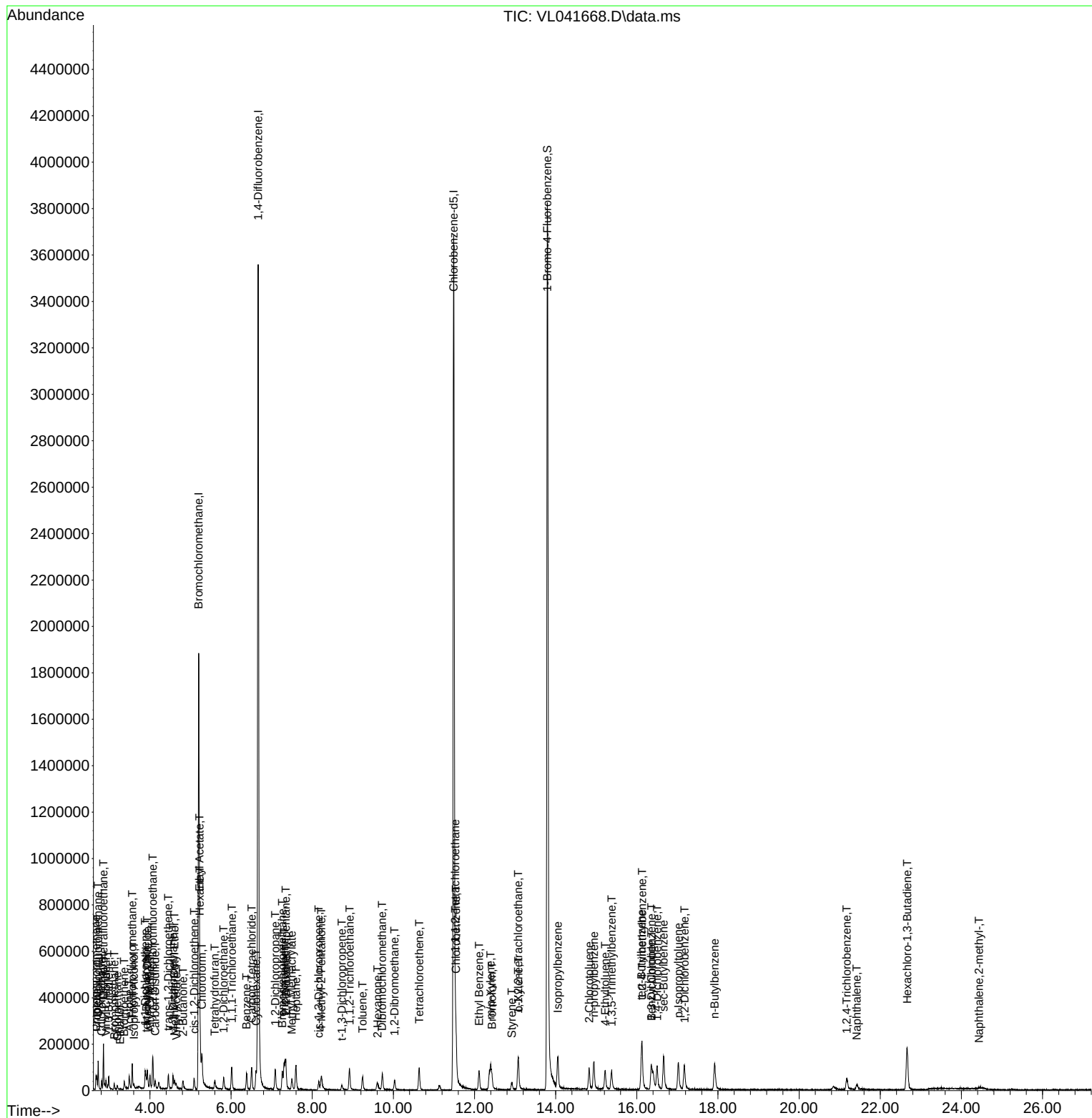
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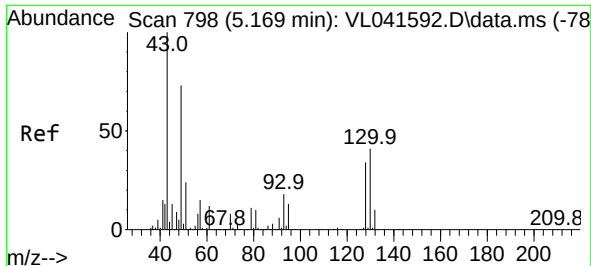
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 09:12:21 2024
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APPROVED

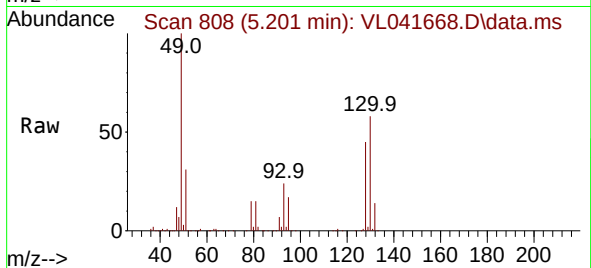
Reviewed By : Semsettin Yesilyurt 10/15/2024
Supervised By : Mahesh Dadoda 10/15/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

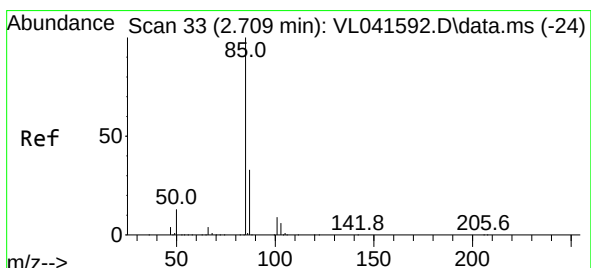
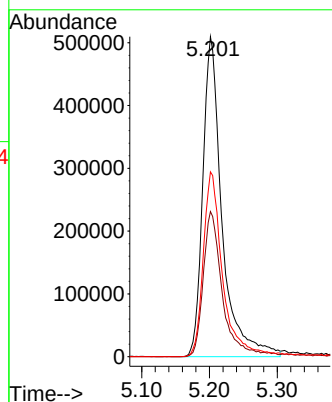
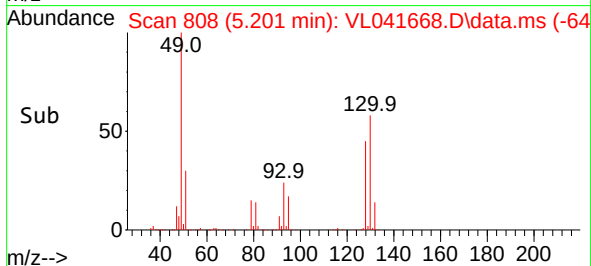
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 49 Resp: 1007129
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.5
130 60.3 30.4 91.3

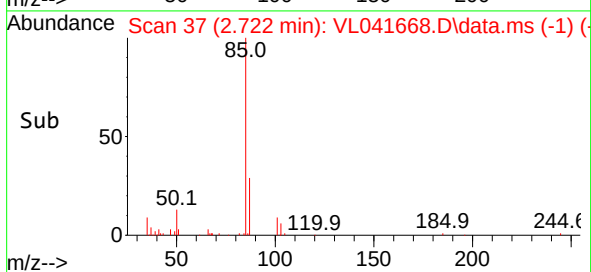
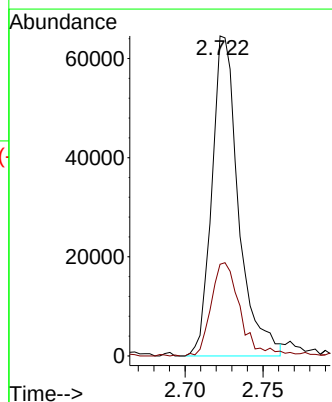
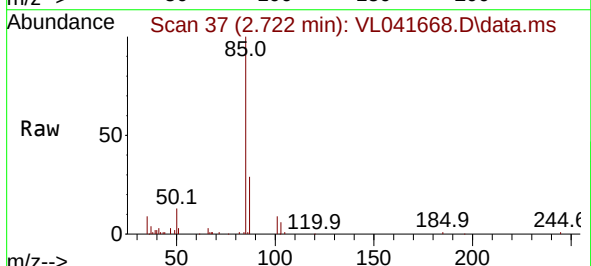
Manual Integrations
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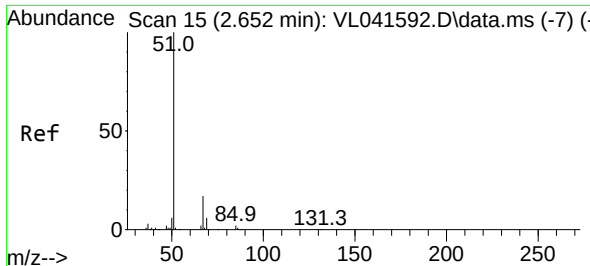
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#2
Dichlorodifluoromethane
Concen: 0.528 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.013 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

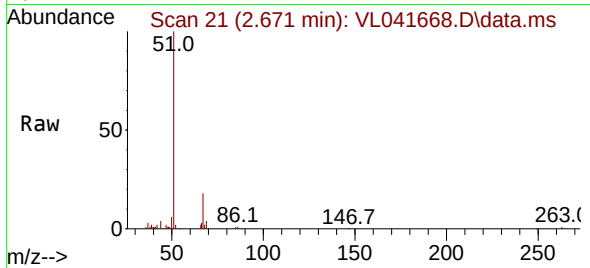
Tgt Ion: 85 Resp: 76852
Ion Ratio Lower Upper
85 100
87 28.7 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.441 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

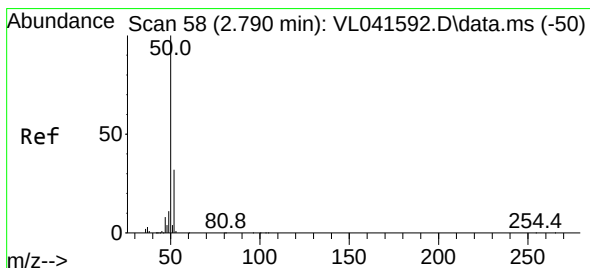
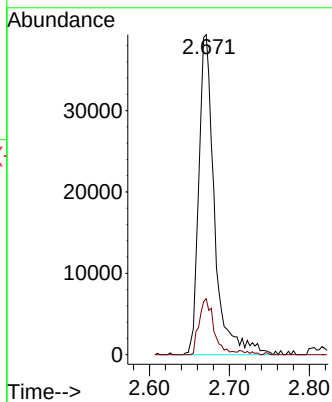
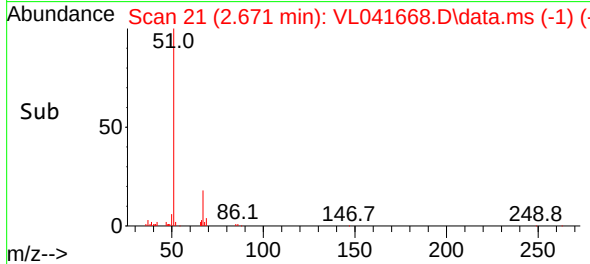
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 51 Resp: 5392
Ion Ratio Lower Upper
51 100
67 17.6 14.1 21.1

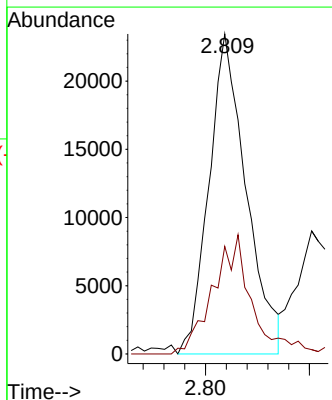
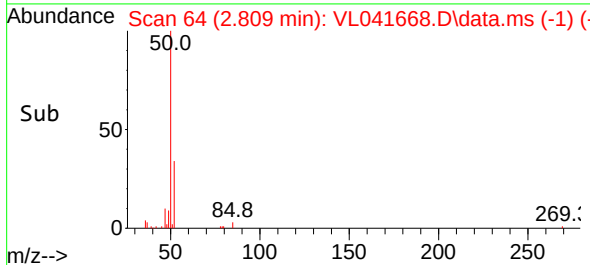
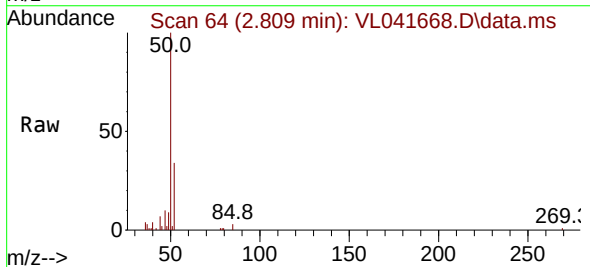
Manual Integrations
APPROVED

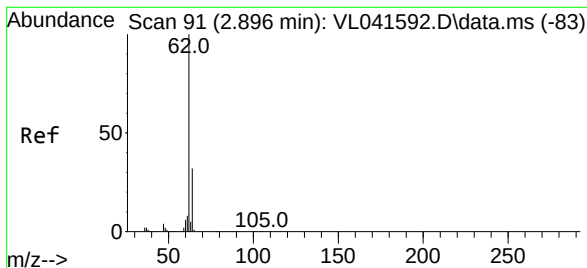
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#4
Chloromethane
Concen: 0.434 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

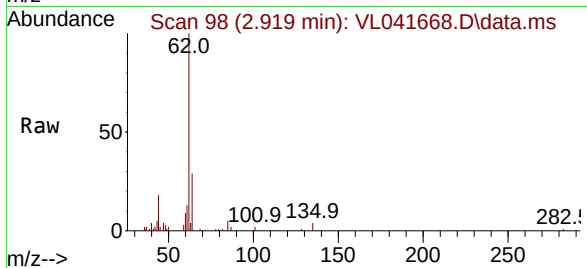
Tgt Ion: 50 Resp: 29140
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2





#5
Vinyl Chloride
Concen: 0.417 ppbv
RT: 2.919 min Scan# 91
Delta R.T. 0.023 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

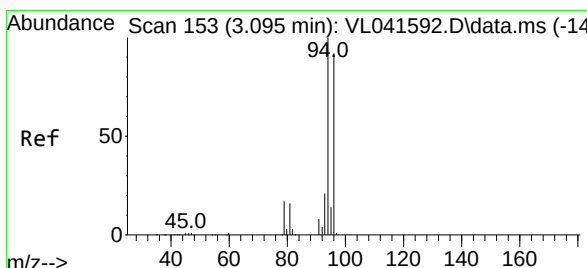
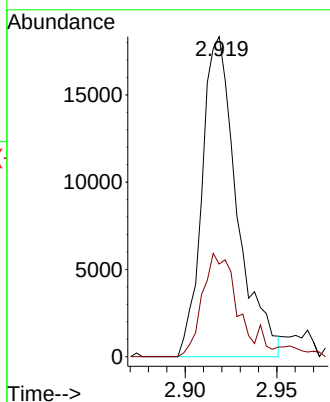
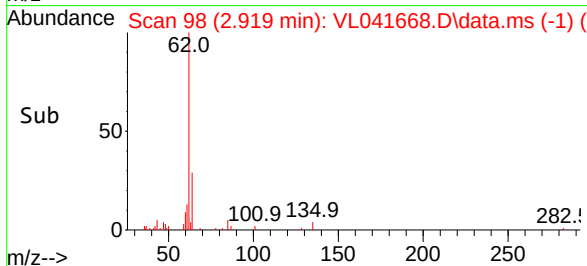
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 62 Resp: 24272
Ion Ratio Lower Upper
62 100
64 28.9 26.0 39.0

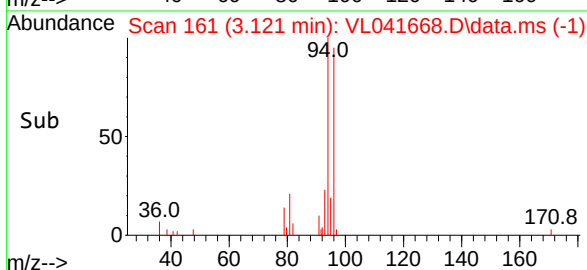
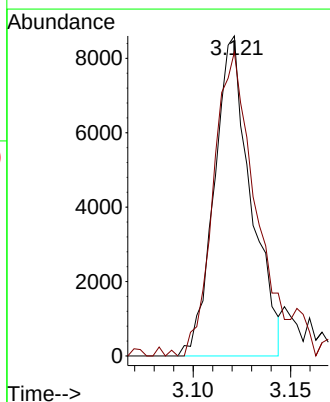
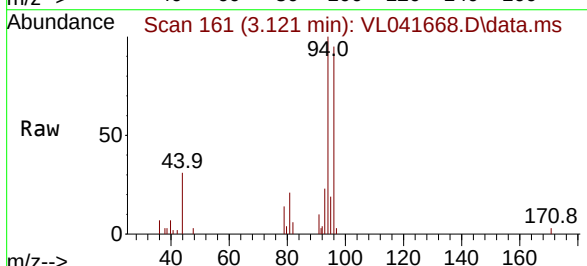
Manual Integrations
APPROVED

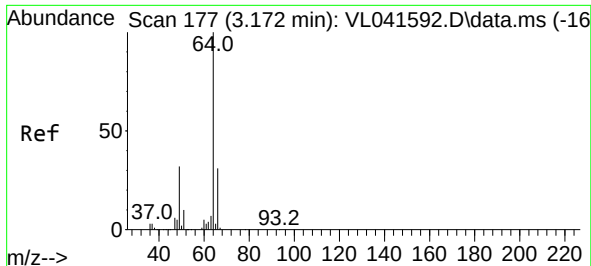
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#6
Bromomethane
Concen: 0.388 ppbv
RT: 3.121 min Scan# 161
Delta R.T. 0.026 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

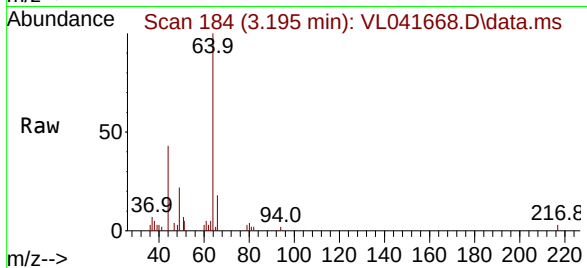
Tgt Ion: 94 Resp: 11236
Ion Ratio Lower Upper
94 100
96 95.0 73.4 110.2





#7
Chloroethane
Concen: 0.457 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

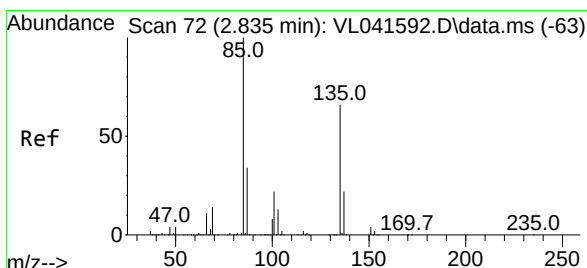
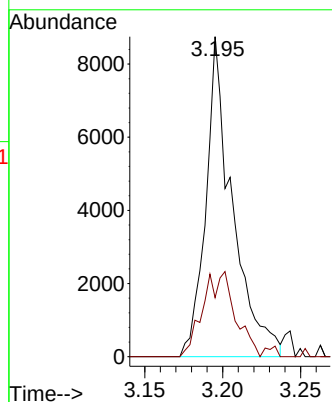
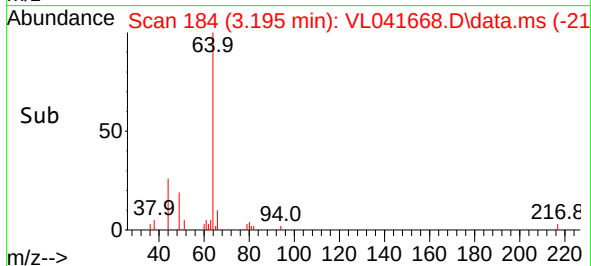
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 64 Resp: 10330
Ion Ratio Lower Upper
64 100
66 18.4 25.1 37.7

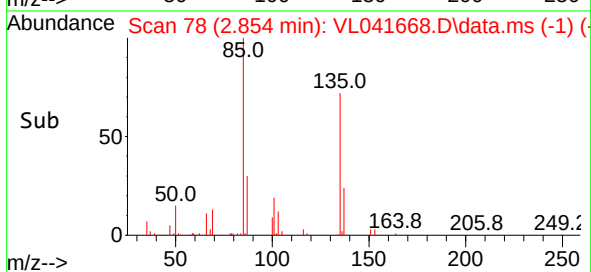
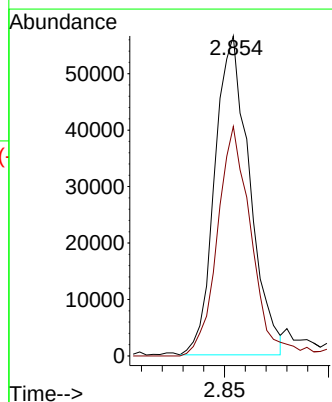
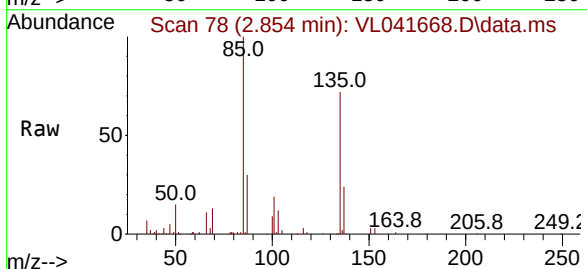
Manual Integrations
APPROVED

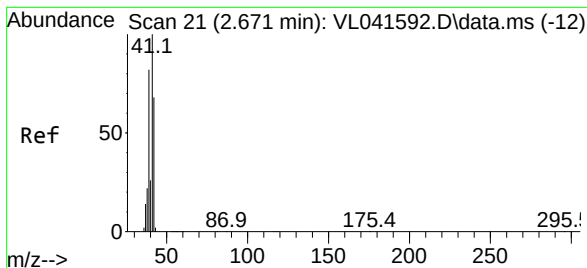
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#8
Dichlorotetrafluoroethane
Concen: 0.430 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 85 Resp: 65672
Ion Ratio Lower Upper
85 100
135 72.8 53.9 80.9





#9

Propene

Concen: 0.357 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion: 41 Resp: 18378

Ion Ratio Lower Upper

41 100

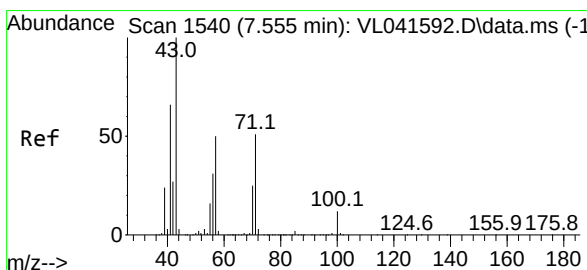
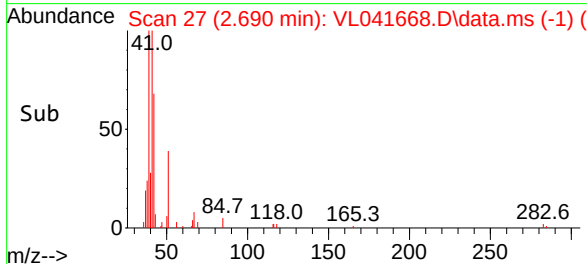
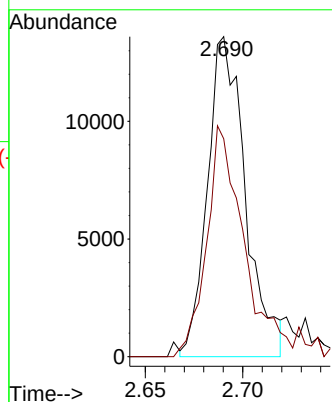
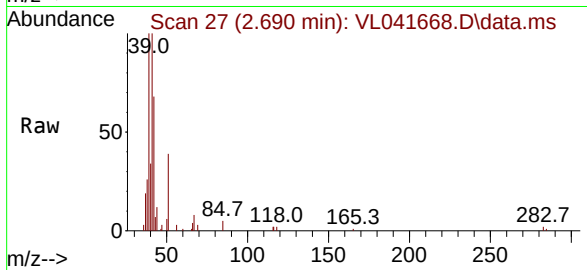
42 73.7 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#10

Heptane

Concen: 0.278 ppbv m

RT: 7.600 min Scan# 1554

Delta R.T. 0.045 min

Lab File: VL041668.D

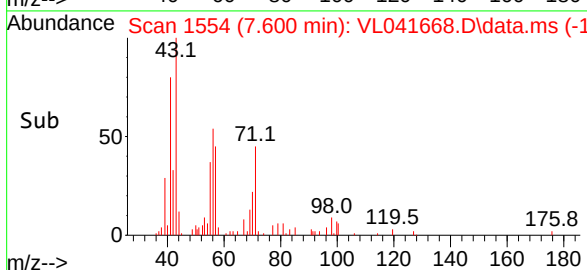
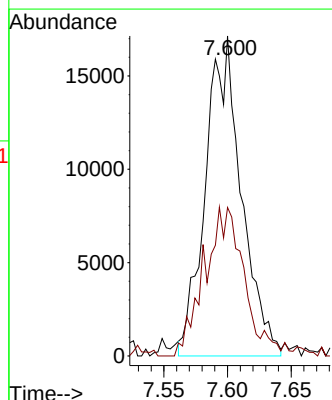
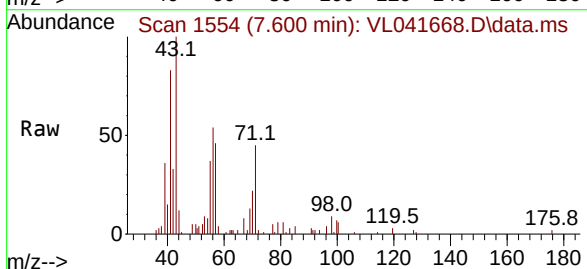
Acq: 14 Oct 2024 15:00

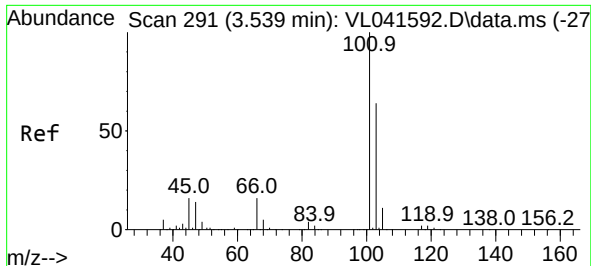
Tgt Ion: 43 Resp: 33594

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.8#





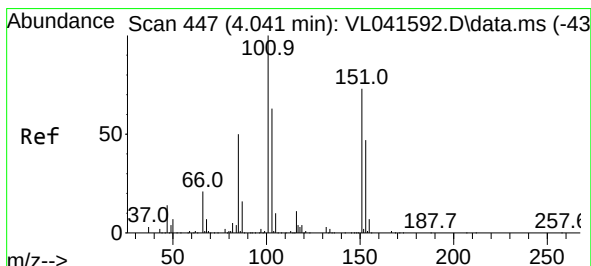
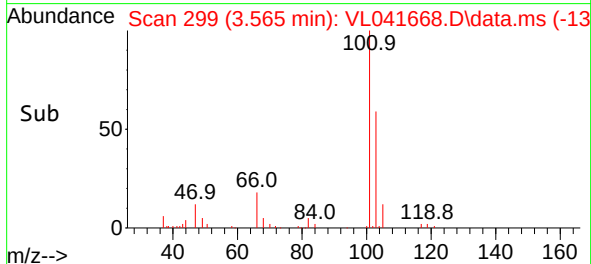
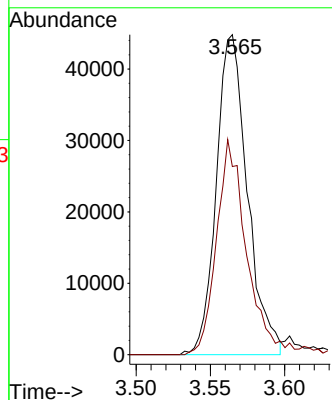
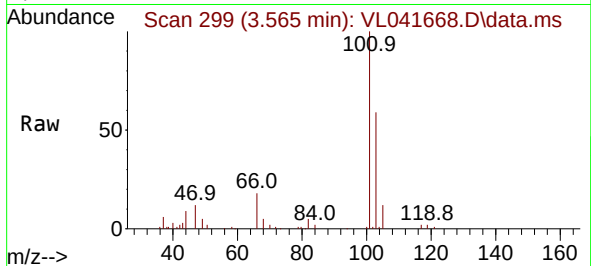
#11
 Trichlorofluoromethane
 Concen: 0.422 ppbv
 RT: 3.565 min Scan# 291
 Delta R.T. 0.026 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Tgt Ion:101 Resp: 6524
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.2 76.8

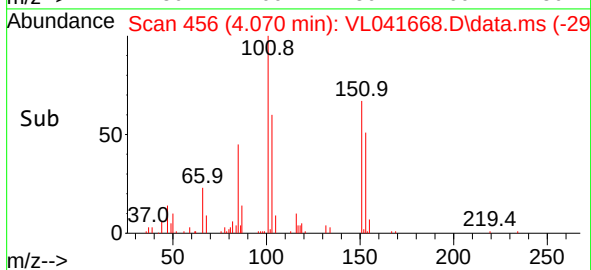
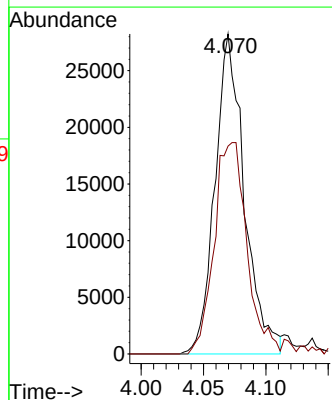
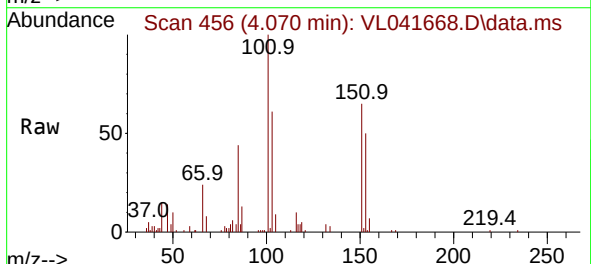
Manual Integrations
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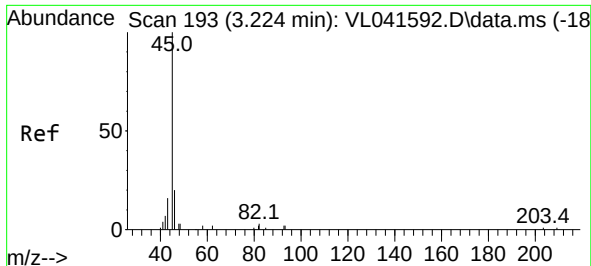
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.413 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.029 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

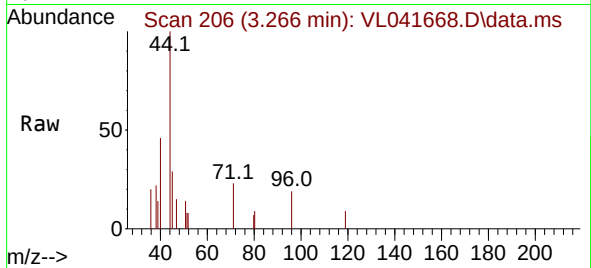
Tgt Ion:101 Resp: 46297
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.4 89.2





#13
Ethanol
Concen: 0.225 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

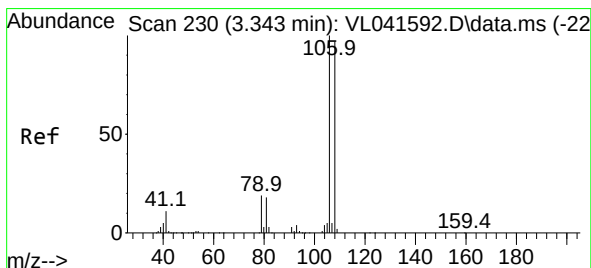
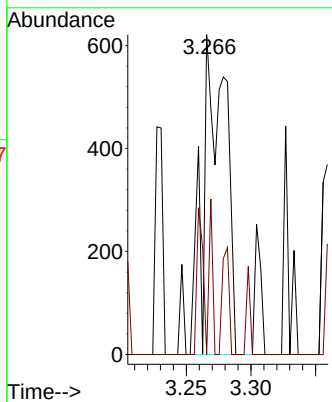
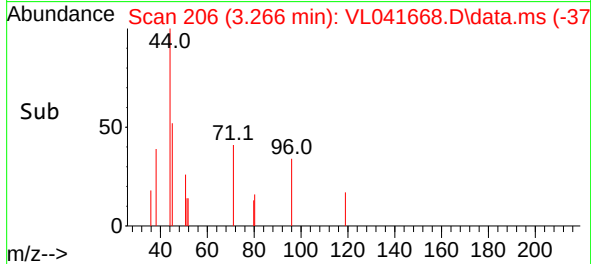
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 45 Resp: 870
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8

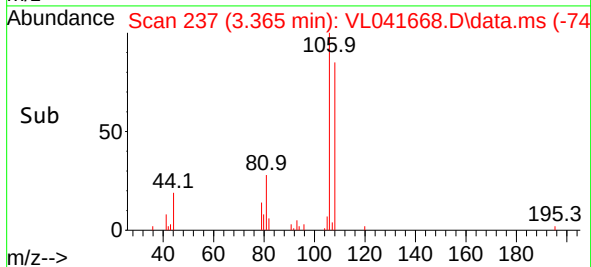
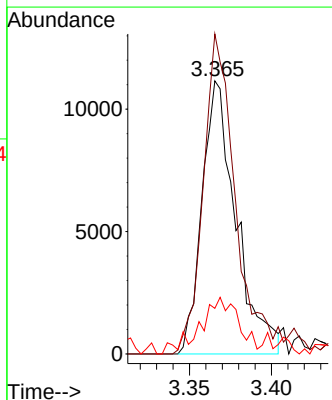
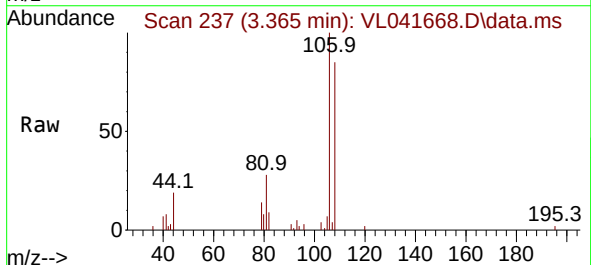
Manual Integrations
APPROVED

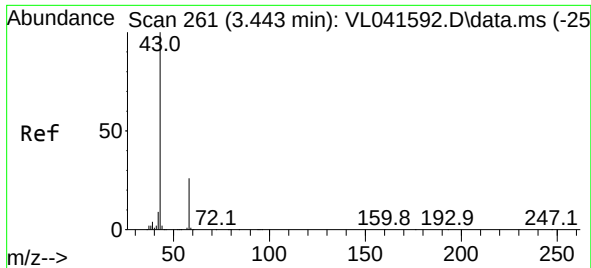
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#14
Bromoethene
Concen: 0.377 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.023 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

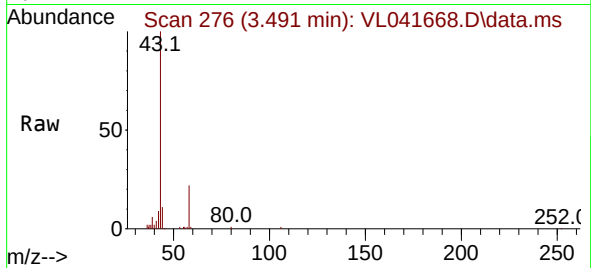
Tgt Ion:108 Resp: 16035
Ion Ratio Lower Upper
108 100
106 117.4 86.5 129.7
79 25.3 16.2 24.4





#15
Acetone
Concen: 0.507 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

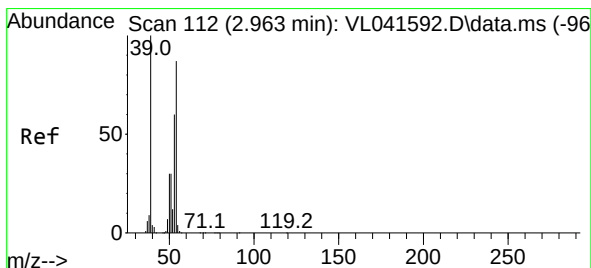
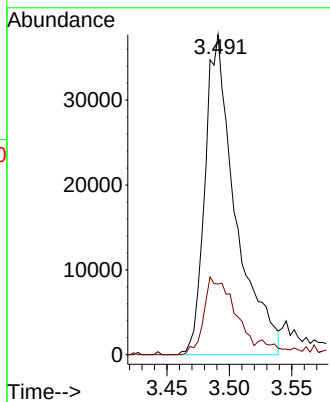
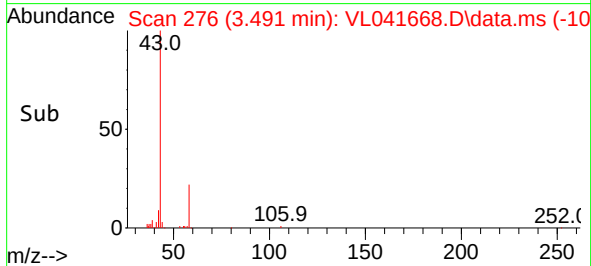
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



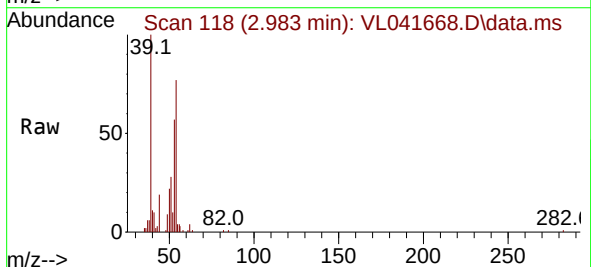
Tgt Ion: 43 Resp: 64114
Ion Ratio Lower Upper
43 100
58 27.8 21.5 32.3

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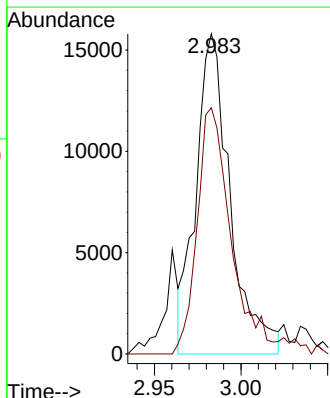
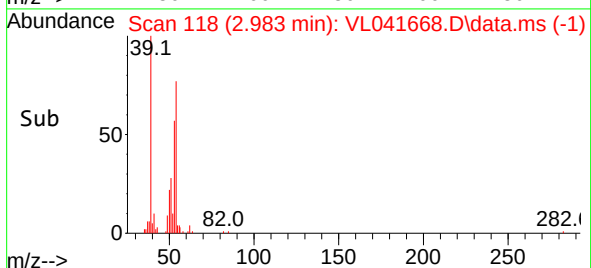
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

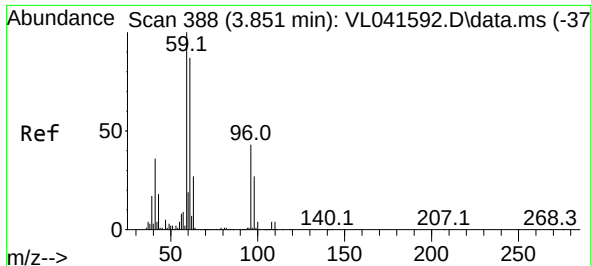


#16
1,3-Butadiene
Concen: 0.354 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.019 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



Tgt Ion: 39 Resp: 21752
Ion Ratio Lower Upper
39 100
54 78.9 62.9 94.3





#17

tert-Butyl alcohol

Concen: 0.270 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.058 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion: 59 Resp: 30070

Ion Ratio Lower Upper

59 100

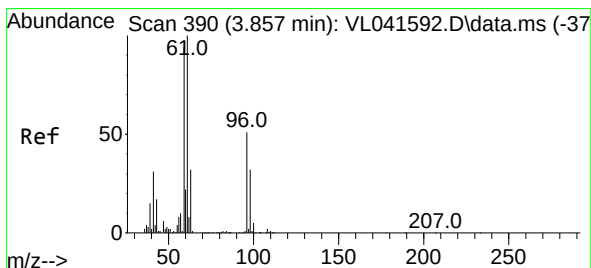
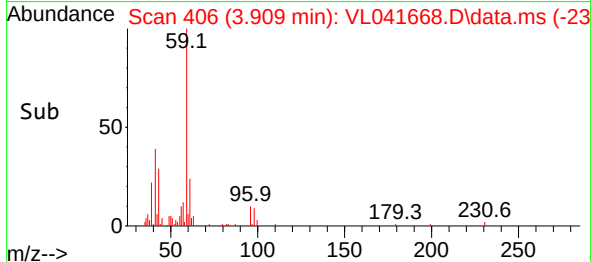
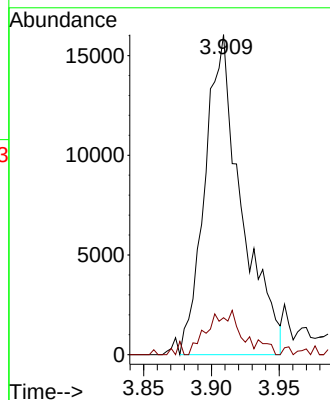
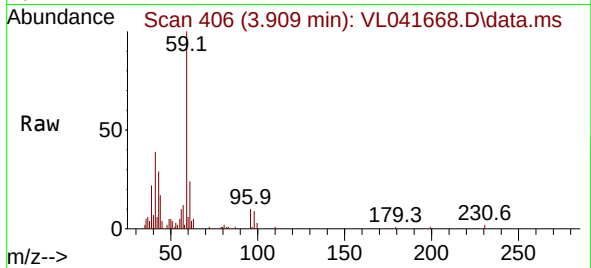
57 14.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#18

1,1-Dichloroethene

Concen: 0.413 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.026 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

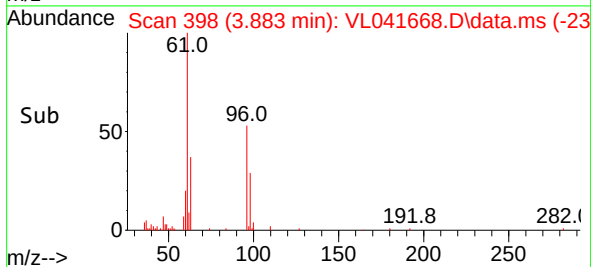
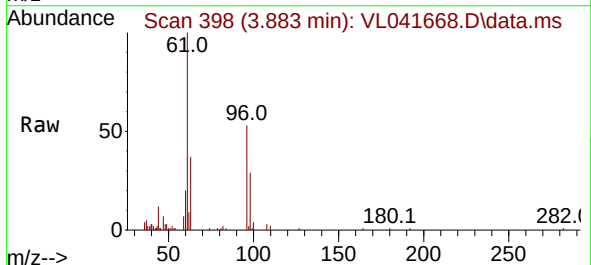
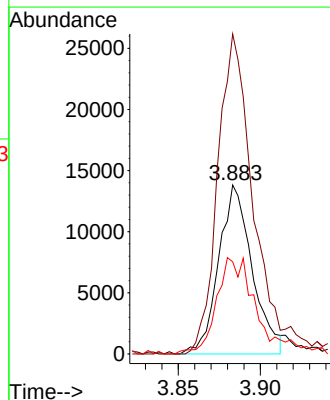
Tgt Ion: 96 Resp: 19576

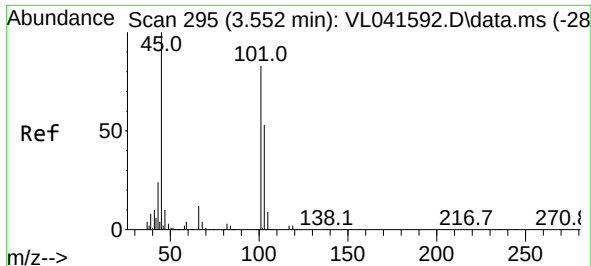
Ion Ratio Lower Upper

96 100

61 189.4 155.6 233.4

98 53.0 50.6 75.8





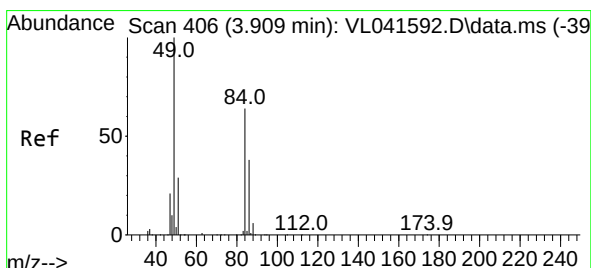
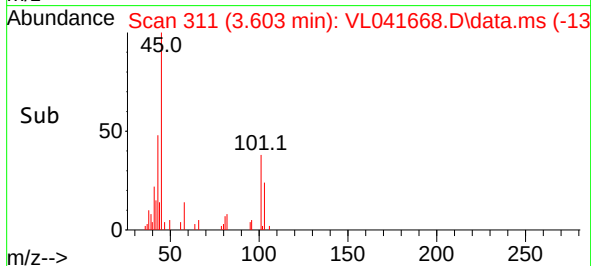
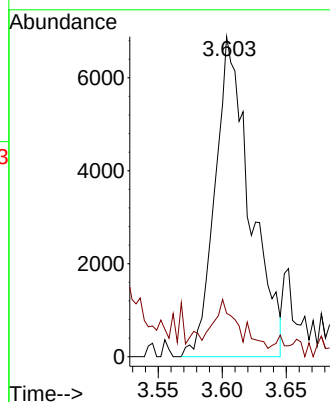
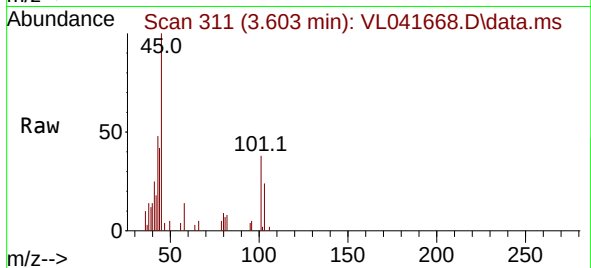
#19
Isopropyl Alcohol
Concen: 0.202 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 45 Resp: 1310
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1

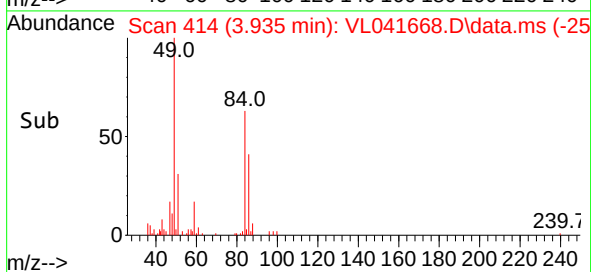
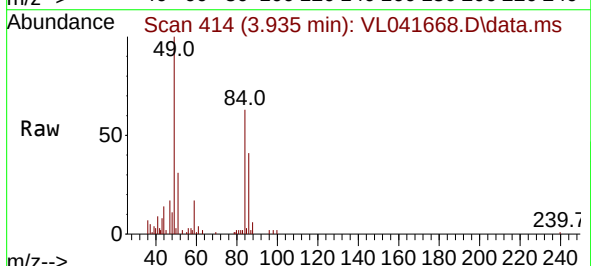
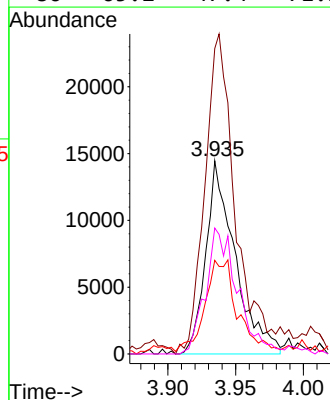
Manual Integrations
APPROVED

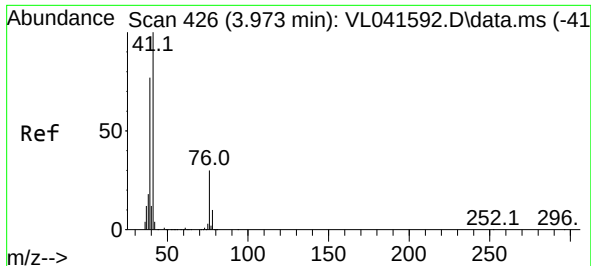
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#20
Methylene Chloride
Concen: 0.458 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.026 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 84 Resp: 21763
Ion Ratio Lower Upper
84 100
49 153.2 124.3 186.5
51 46.3 36.3 54.5
86 65.2 47.4 71.2





#21

Allyl Chloride

Concen: 0.395 ppbv m

RT: 4.005 min Scan# 41

Delta R.T. 0.032 min

Lab File: VL041668.D

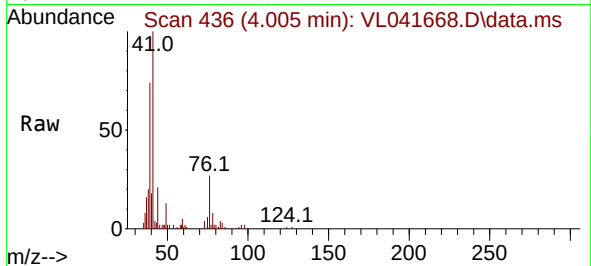
Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

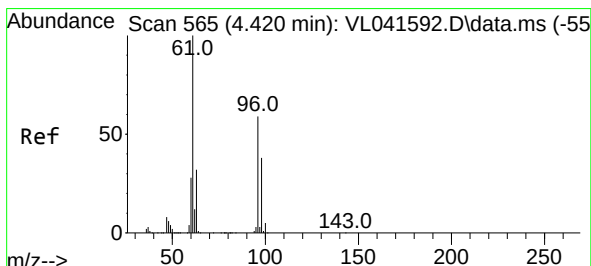
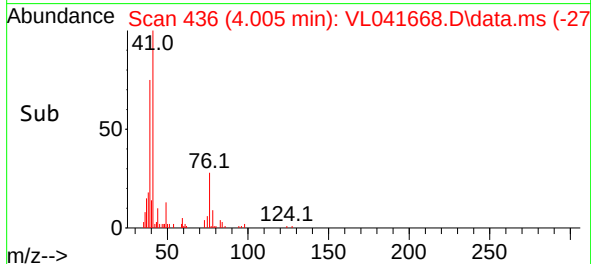
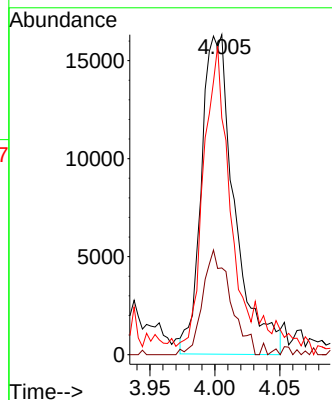


Tgt Ion: 41	Resp: 28970
Ion Ratio	Lower Upper
41	100
76	28.1 23.8 35.6
39	0.0 63.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#22

trans-1,2-Dichloroethene

Concen: 0.422 ppbv m

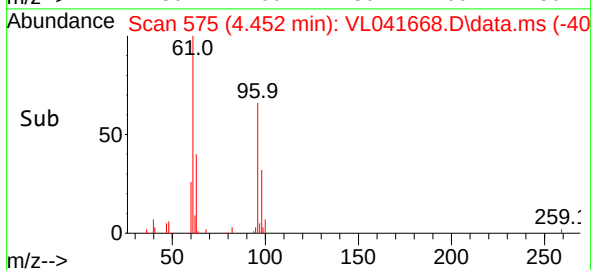
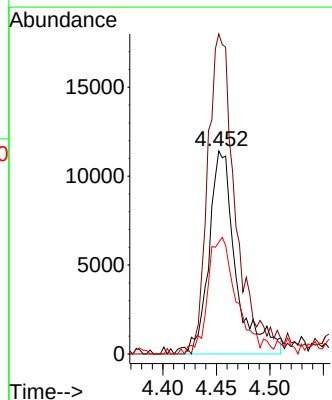
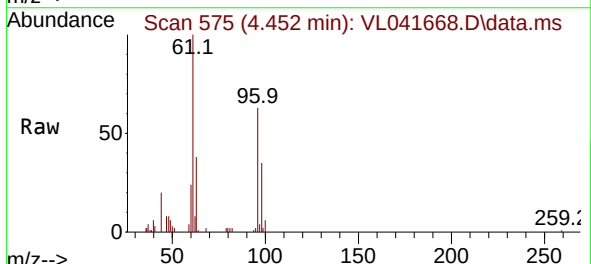
RT: 4.452 min Scan# 575

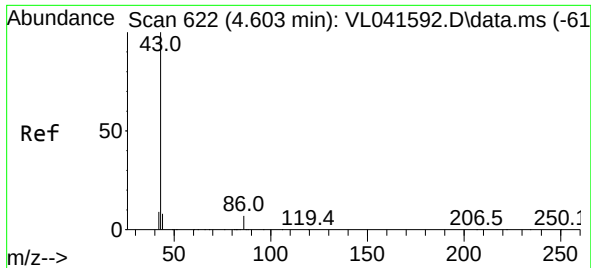
Delta R.T. 0.032 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Tgt Ion: 96	Resp: 19994
Ion Ratio	Lower Upper
96	100
61	157.7 135.7 203.5
98	55.0 50.9 76.3





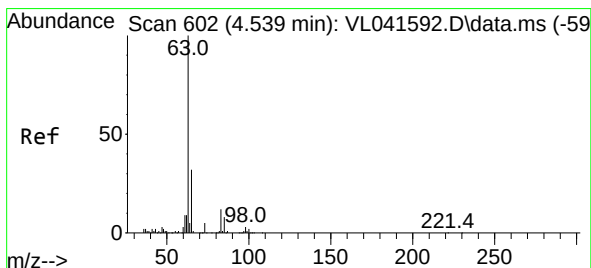
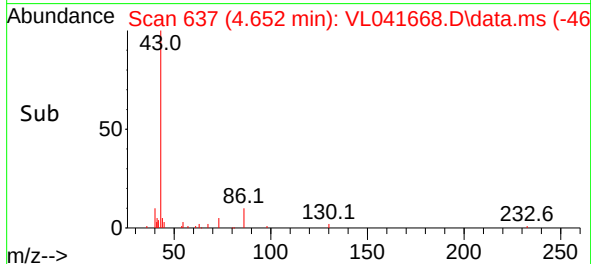
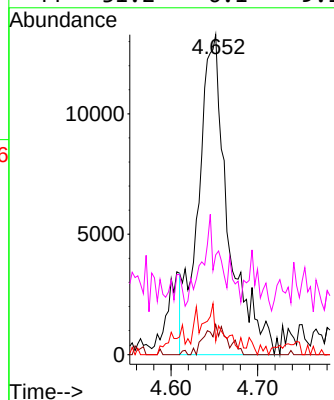
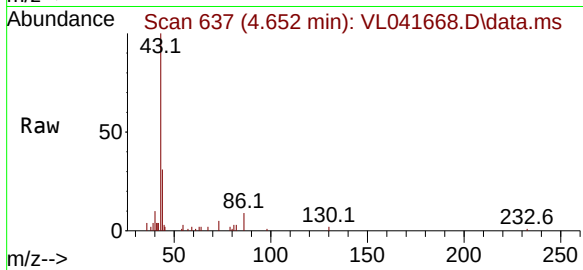
#23
 Vinyl Acetate
 Concen: 0.457 ppbv m
 RT: 4.652 min Scan# 611
 Delta R.T. 0.048 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Tgt Ion: 43 Resp: 31815
 Ion Ratio Lower Upper
 43 100
 86 9.4 4.9 7.3
 42 4.3 8.0 12.0
 44 31.2 6.1 9.1

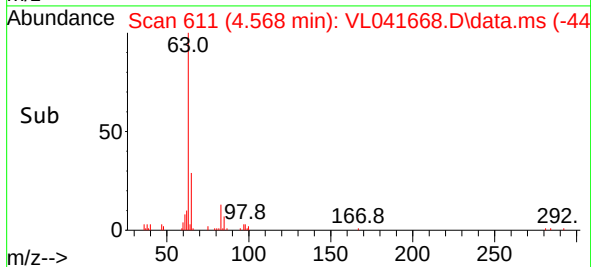
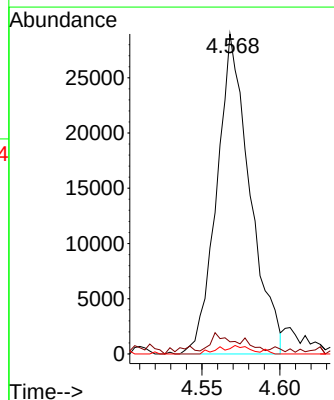
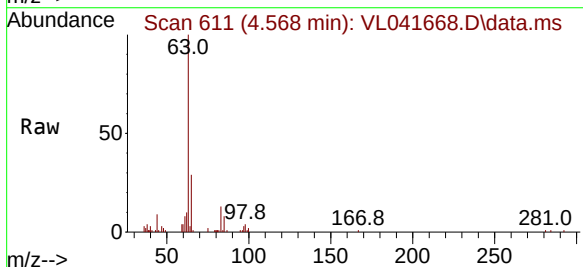
Manual Integrations
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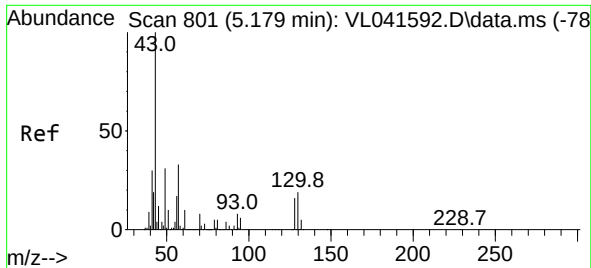
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024



#24
 1,1-Dichloroethane
 Concen: 0.411 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.029 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Tgt Ion: 63 Resp: 42866
 Ion Ratio Lower Upper
 63 100
 98 2.3 1.7 5.1
 100 1.7 1.1 3.3





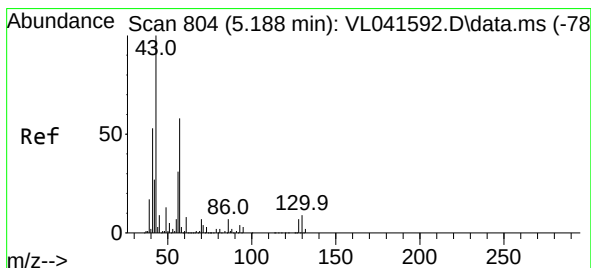
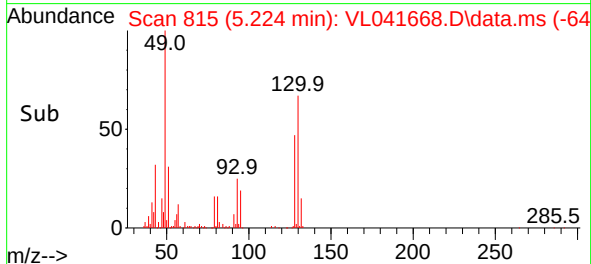
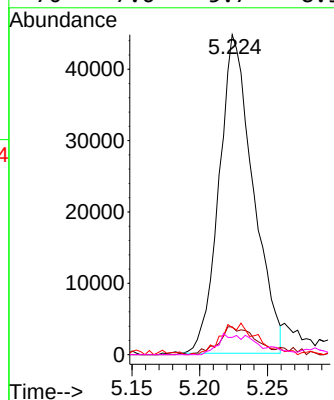
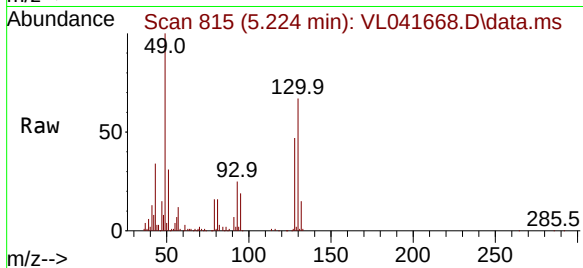
#25
Ethyl Acetate
Concen: 0.343 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 43 Resp: 7780
Ion Ratio Lower Upper
43 100
45 10.7 8.2 12.2
61 11.2 8.0 12.0
70 7.6 5.7 8.5

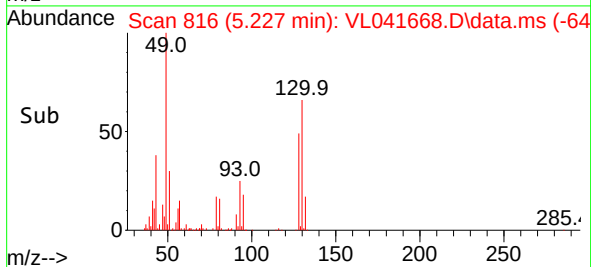
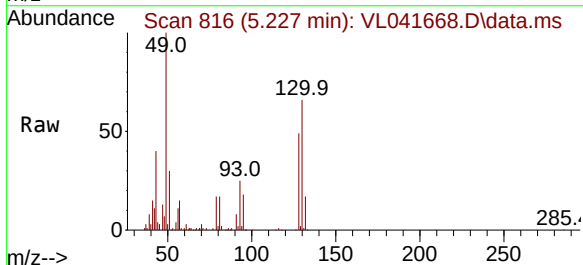
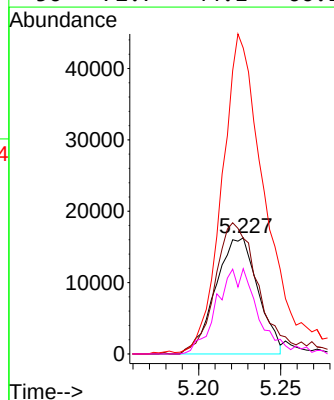
Manual Integrations
APPROVED

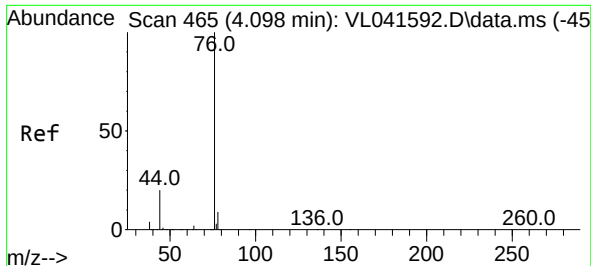
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#26
Hexane
Concen: 0.308 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

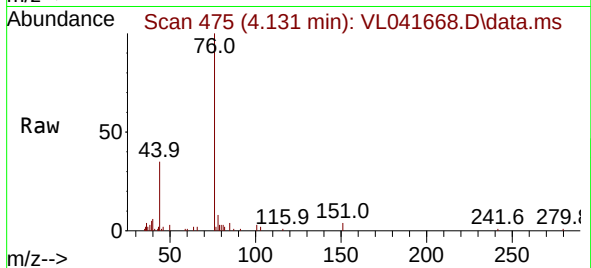
Tgt Ion: 57 Resp: 29183
Ion Ratio Lower Upper
57 100
41 124.4 75.7 113.5#
43 298.6 198.5 297.7#
56 72.7 44.1 66.1#





#27
Carbon Disulfide
Concen: 0.327 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

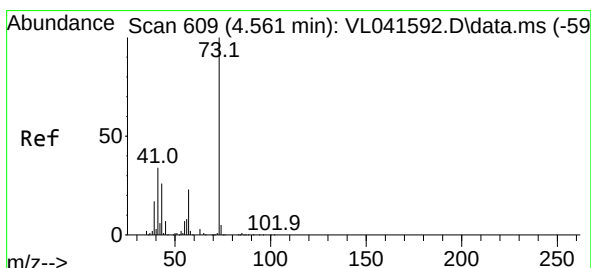
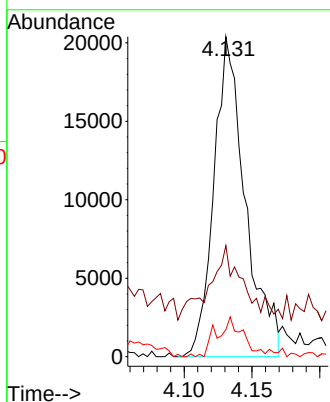
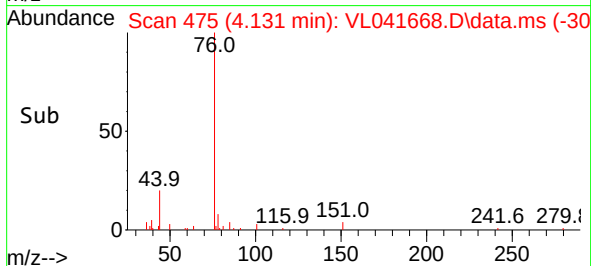
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



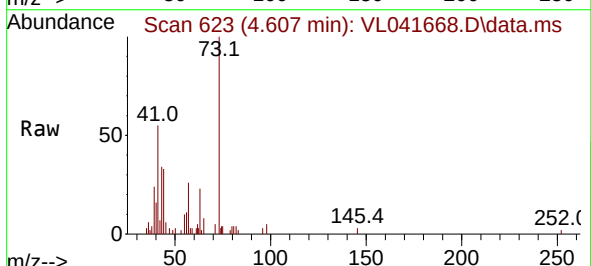
Tgt Ion: 76 Resp: 3288
Ion Ratio Lower Upper
76 100
44 27.9 15.8 23.8
78 11.7 7.5 11.3

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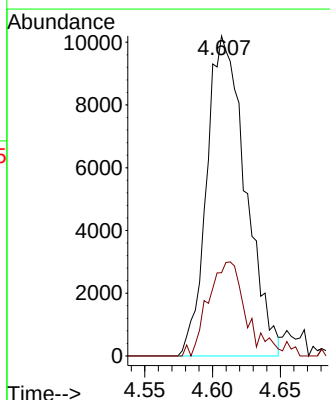
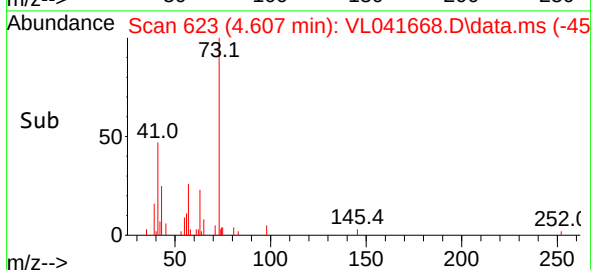
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

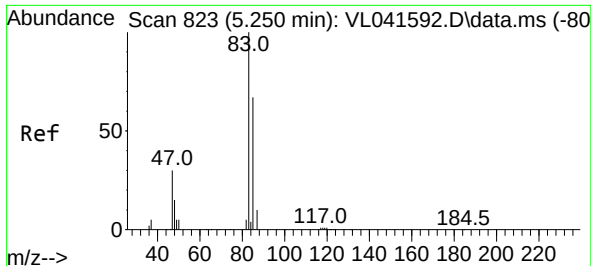


#28
Methyl tert-Butyl Ether
Concen: 0.348 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



Tgt Ion: 73 Resp: 20296
Ion Ratio Lower Upper
73 100
57 29.5 19.3 28.9





#29

Chloroform

Concen: 0.409 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.032 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion: 83 Resp: 6341

Ion Ratio Lower Upper

83 100

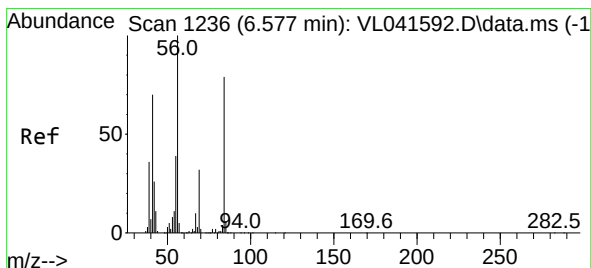
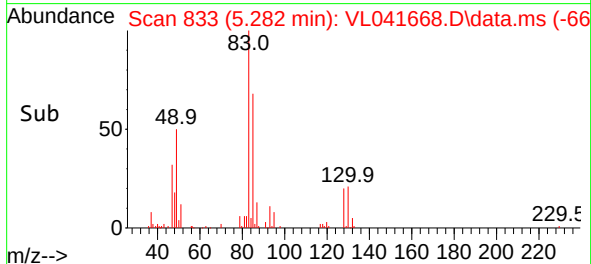
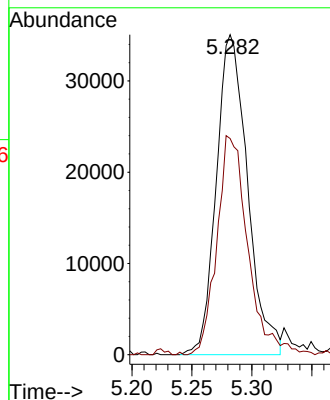
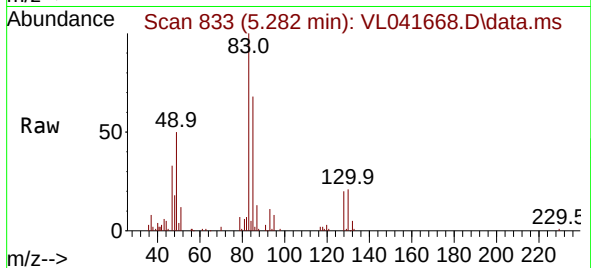
85 66.8 53.8 80.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#30

Cyclohexane

Concen: 0.358 ppbv m

RT: 6.613 min Scan# 1247

Delta R.T. 0.035 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

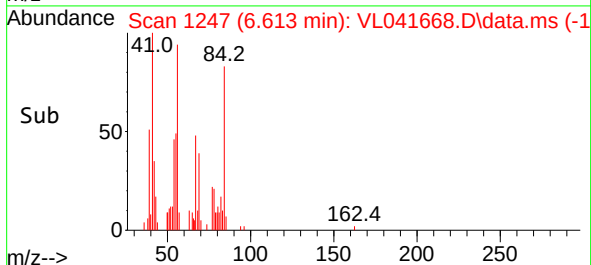
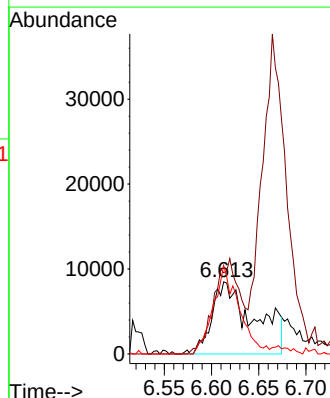
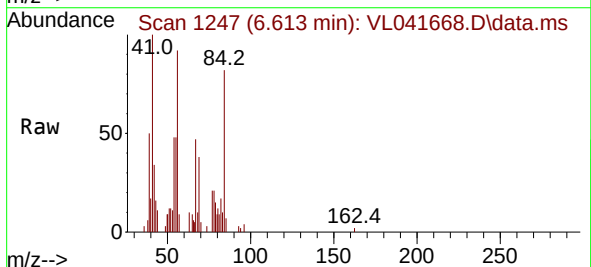
Tgt Ion: 84 Resp: 26157

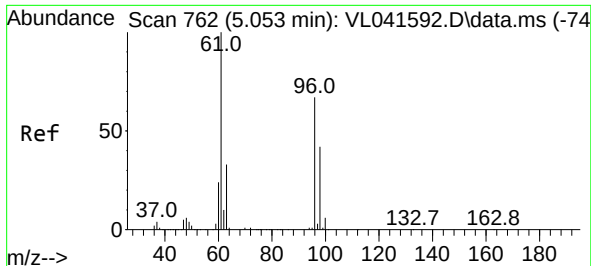
Ion Ratio Lower Upper

84 100

56 79.6 111.5 167.3#

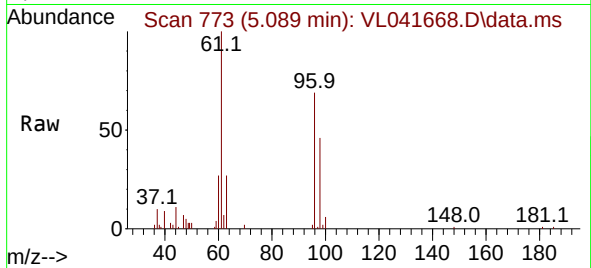
41 0.0 70.9 106.3#





#31
 cis-1,2-Dichloroethene
 Concen: 0.311 ppbv m
 RT: 5.089 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

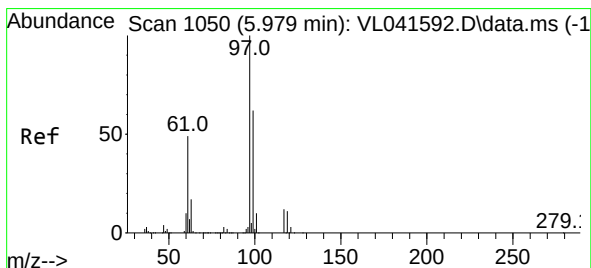
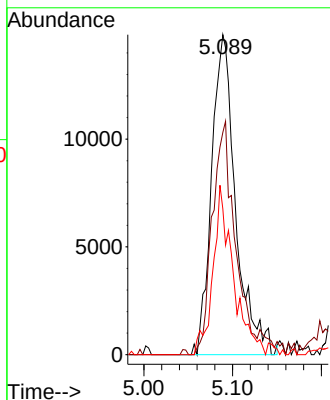
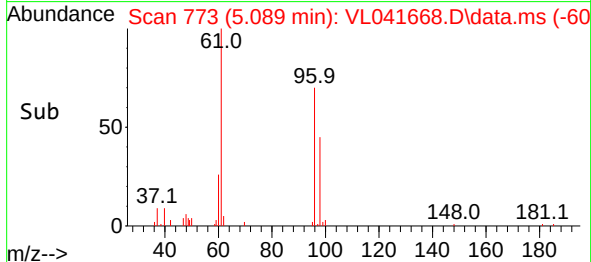
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



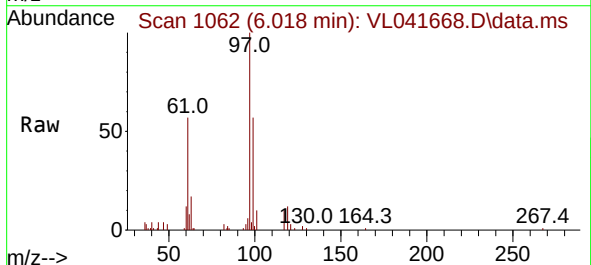
Tgt Ion: 61 Resp: 27920
 Ion Ratio Lower Upper
 61 100
 96 69.5 53.5 80.3
 98 45.5 33.7 50.5

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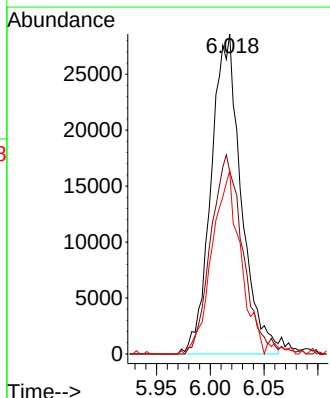
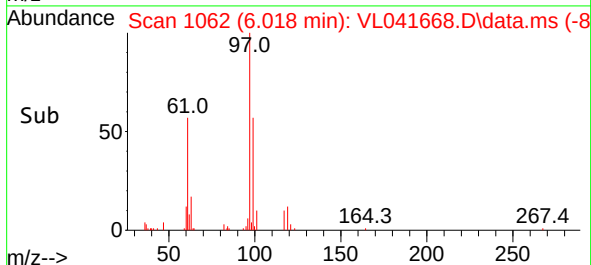
Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

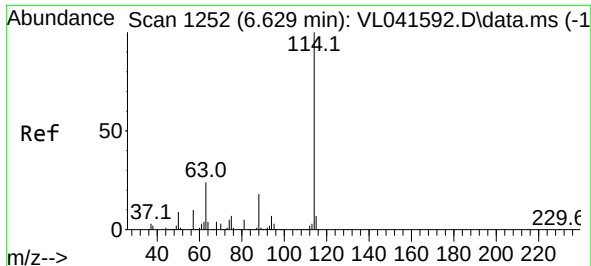


#32
 1,1,1-Trichloroethane
 Concen: 0.403 ppbv
 RT: 6.018 min Scan# 1062
 Delta R.T. 0.039 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00



Tgt Ion: 97 Resp: 55602
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.0 76.4
 61 56.1 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1

Delta R.T. 0.039 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

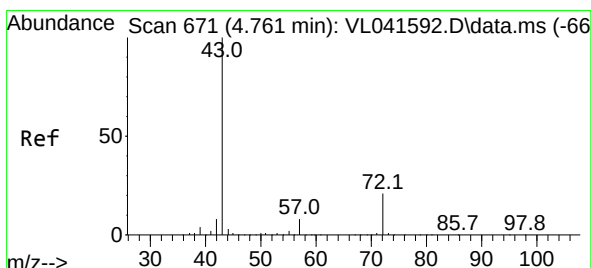
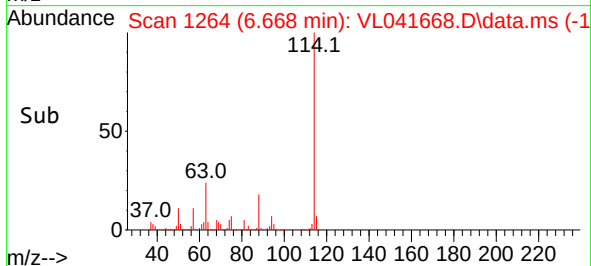
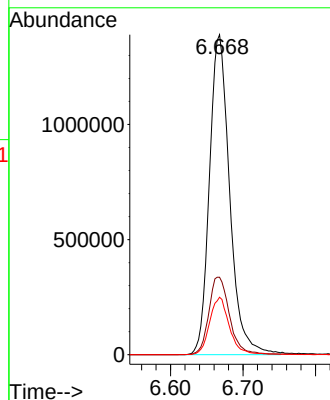
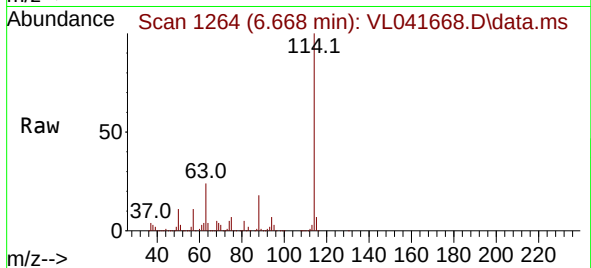
Tgt Ion:114 Resp: 269374

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.7	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#34

2-Butanone

Concen: 0.401 ppbv m

RT: 4.816 min Scan# 688

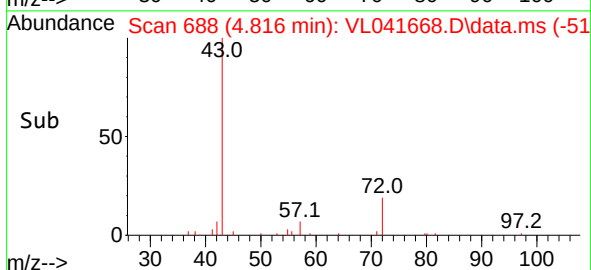
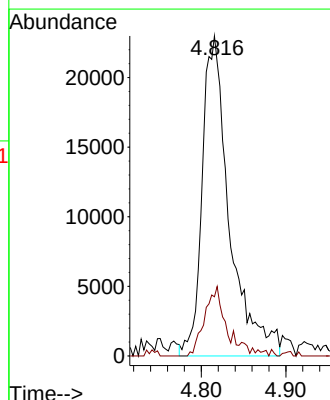
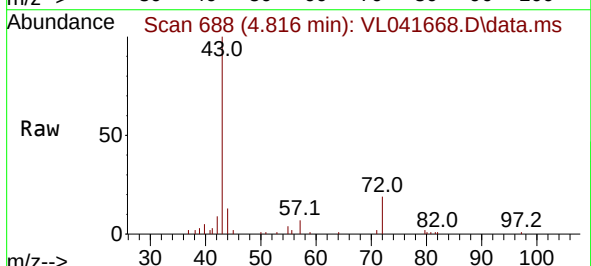
Delta R.T. 0.055 min

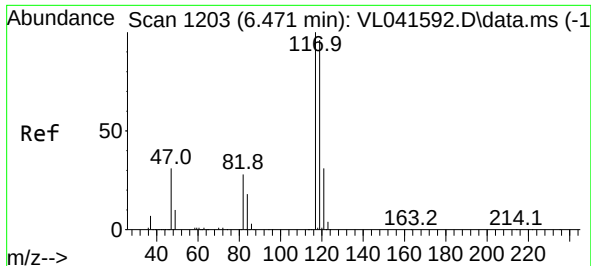
Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Tgt Ion: 43 Resp: 51548

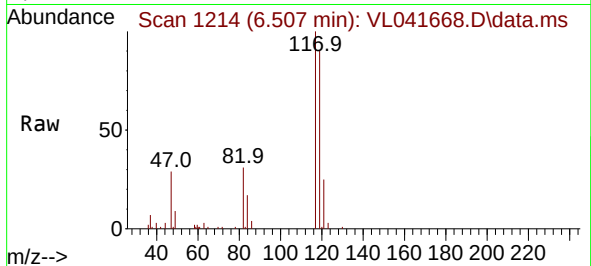
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.8	25.2#





#35
Carbon Tetrachloride
Concen: 0.415 ppbv
RT: 6.507 min Scan# 1174
Delta R.T. 0.035 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

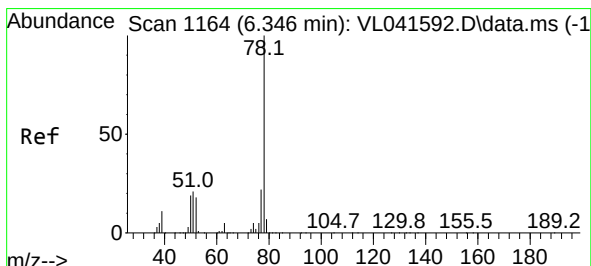
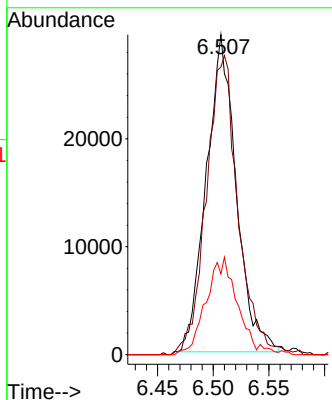
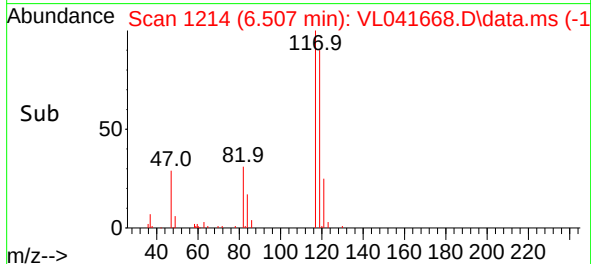
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2024



Tgt Ion: 117 Resp: 54780
Ion Ratio Lower Upper
117 100
119 88.4 76.8 115.2
121 24.8 25.0 37.6

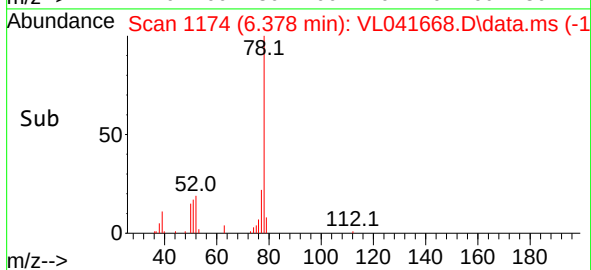
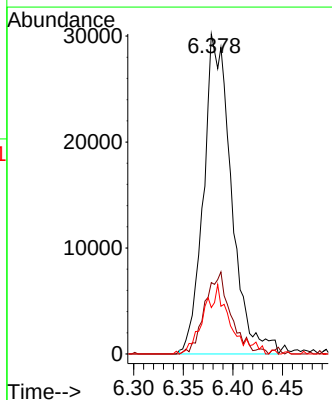
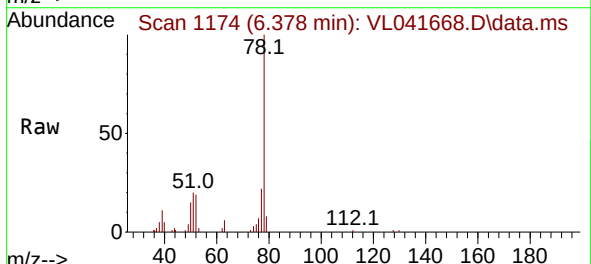
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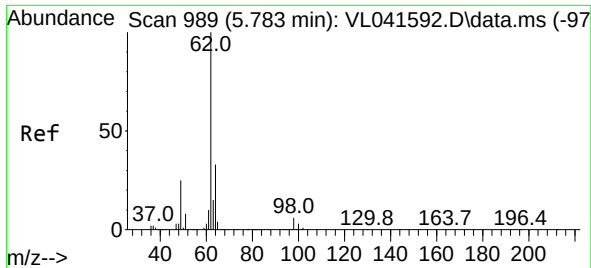
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#36
Benzene
Concen: 0.314 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

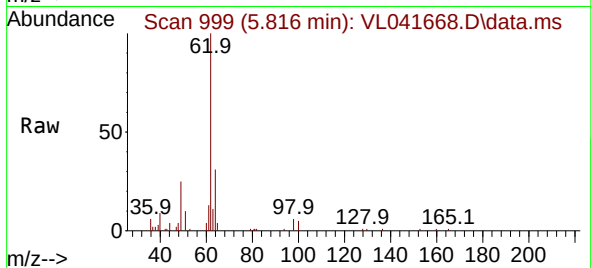
Tgt Ion: 78 Resp: 58789
Ion Ratio Lower Upper
78 100
77 22.3 17.8 26.6
50 14.5 15.4 23.0





#37
1,2-Dichloroethane
Concen: 0.386 ppbv
RT: 5.816 min Scan# 999
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

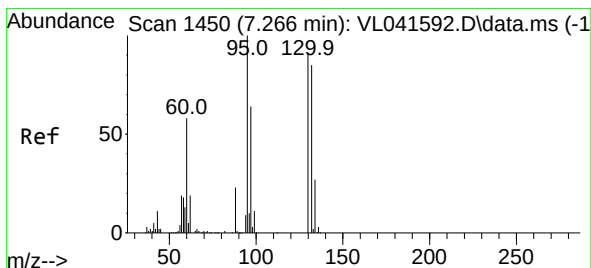
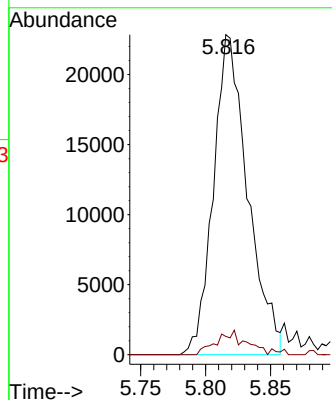
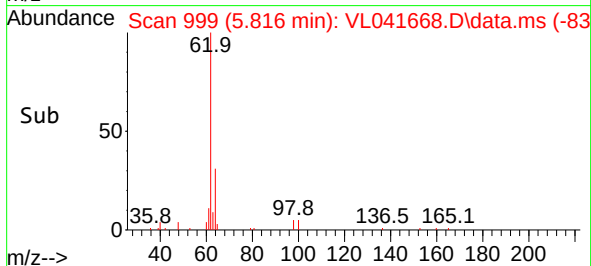
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 62 Resp: 4190
Ion Ratio Lower Upper
62 100
98 6.9 4.8 7.2

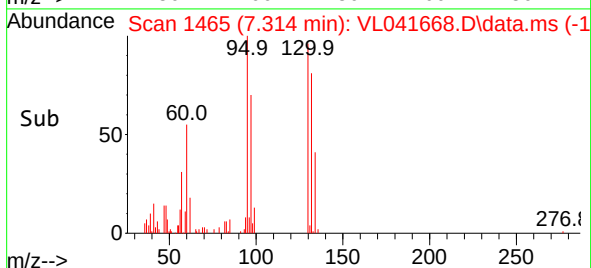
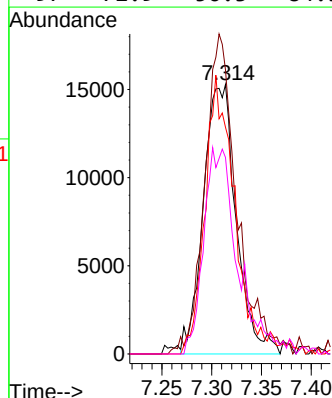
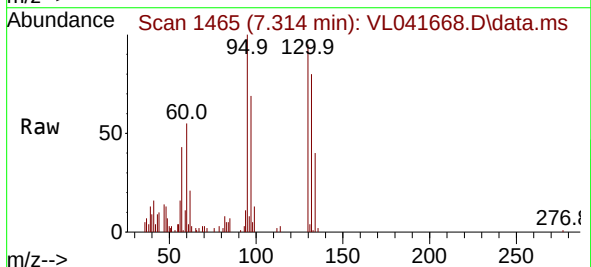
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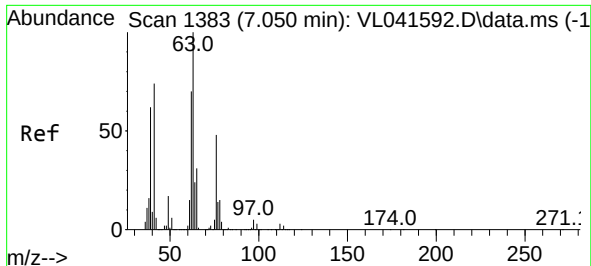
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#38
Trichloroethene
Concen: 0.362 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:130 Resp: 34834
Ion Ratio Lower Upper
130 100
95 105.4 87.7 131.5
132 84.1 74.5 111.7
97 72.9 56.3 84.5





#39

1,2-Dichloropropane

Concen: 0.395 ppbv m

RT: 7.092 min Scan# 1396

Delta R.T. 0.042 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

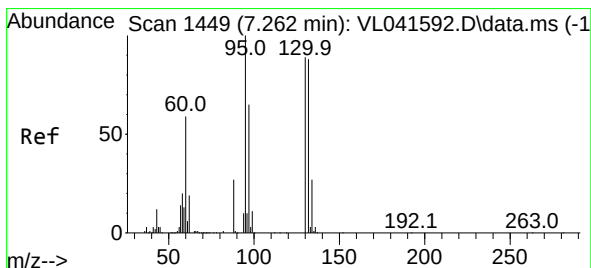
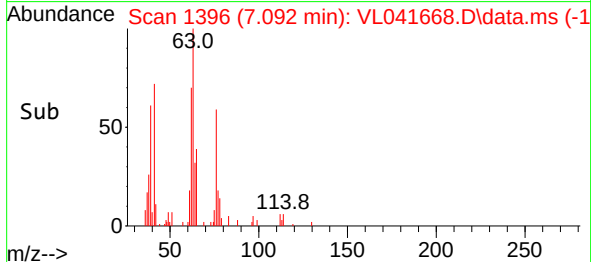
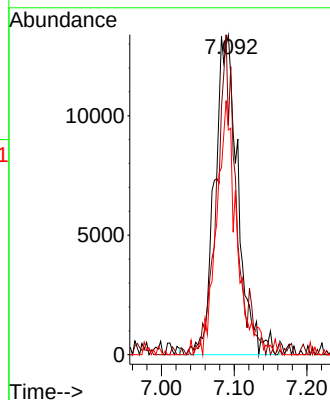
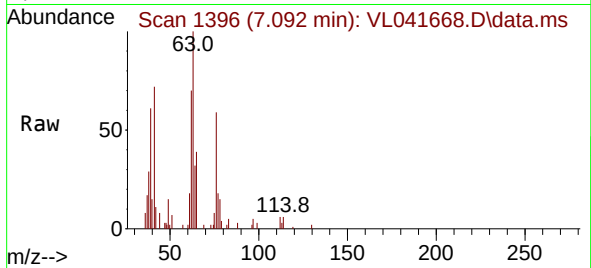
MDL-AIR-03-QT4-2024

Tgt Ion: 63	Resp: 3009
Ion Ratio	Lower Upper
63 100	
41 71.8	59.5 89.3
62 70.3	56.2 84.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#40

1,4-Dioxane

Concen: 0.162 ppbv m

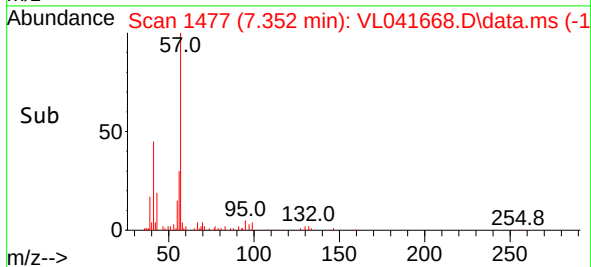
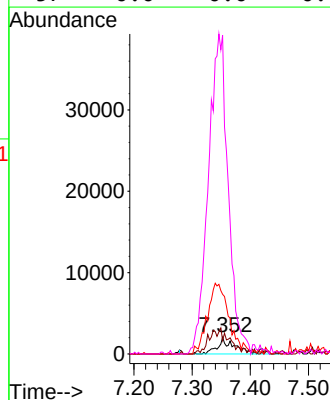
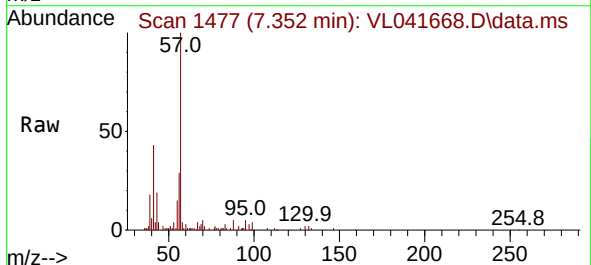
RT: 7.352 min Scan# 1477

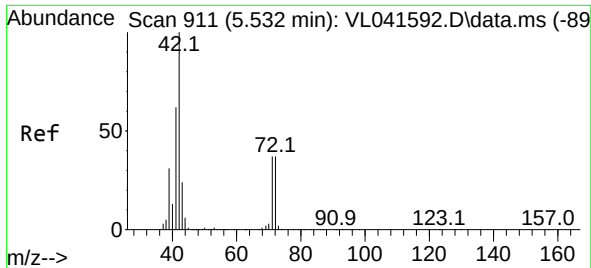
Delta R.T. 0.090 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

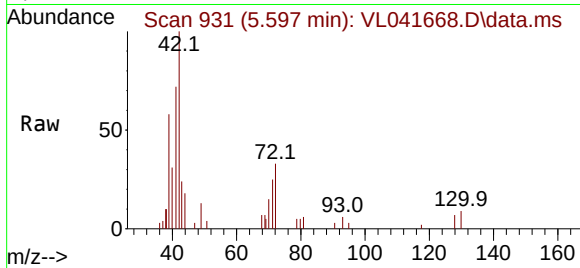
Tgt Ion: 88	Resp: 4648
Ion Ratio	Lower Upper
88 100	
58 0.0	100.2 150.4#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.288 ppbv m
RT: 5.597 min Scan# 911
Delta R.T. 0.064 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

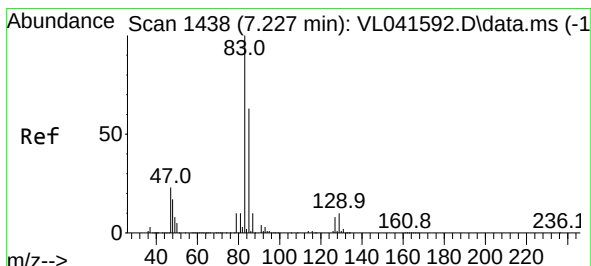
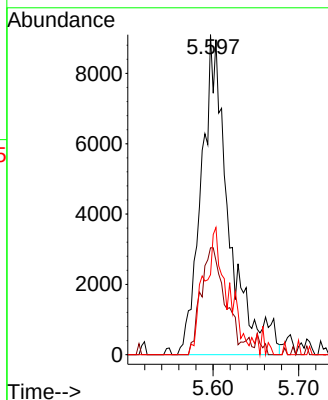
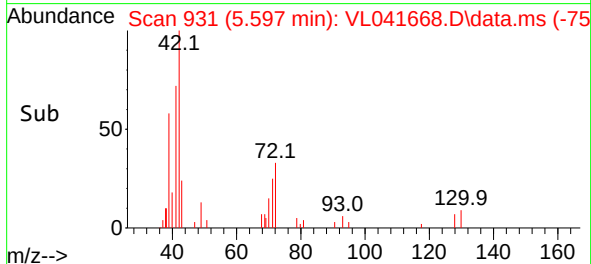
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 42 Resp: 2035
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2
71 0.0 29.6 44.4

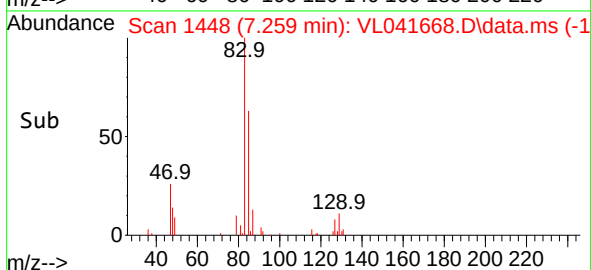
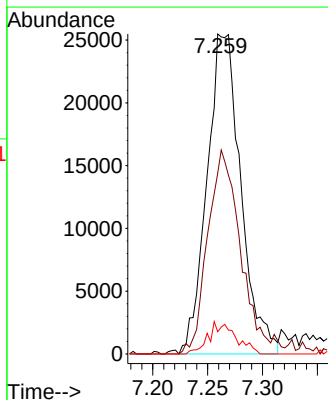
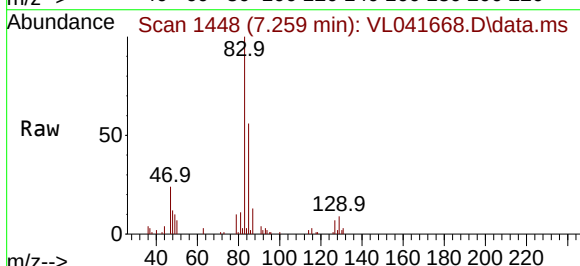
Manual Integrations
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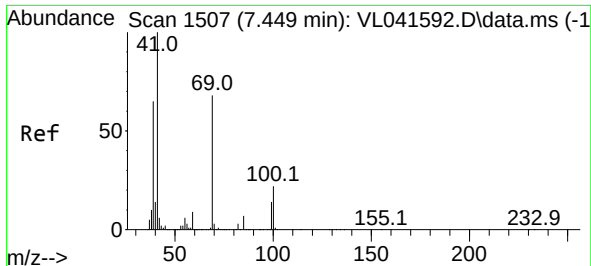
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#42
Bromodichloromethane
Concen: 0.362 ppbv m
RT: 7.259 min Scan# 1448
Delta R.T. 0.032 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 83 Resp: 54626
Ion Ratio Lower Upper
83 100
85 56.5 50.5 75.7
127 6.9 6.5 9.7





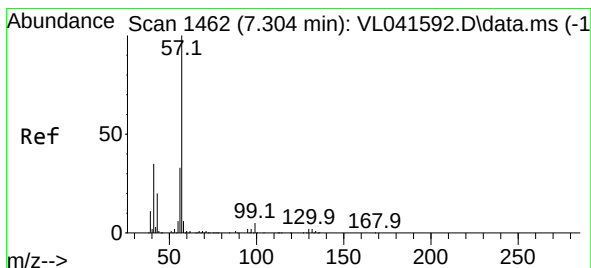
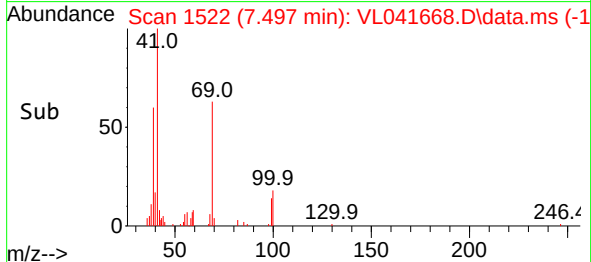
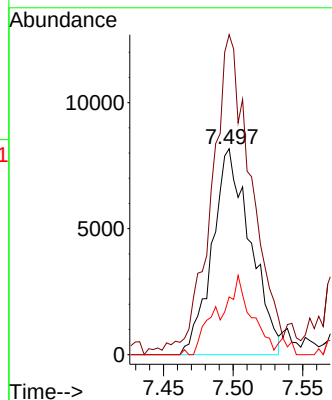
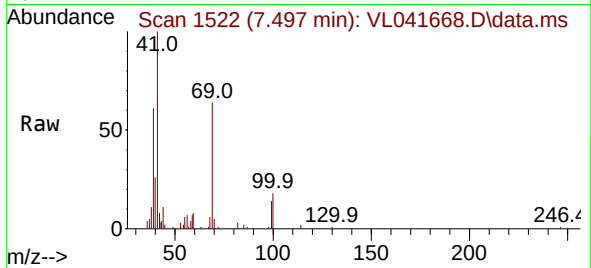
#43
Methyl Methacrylate
Concen: 0.233 ppbv
RT: 7.497 min Scan# 1522
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 69 Resp: 1561
Ion Ratio Lower Upper
69 100
41 160.2 121.8 182.6
100 0.0 26.5 39.7

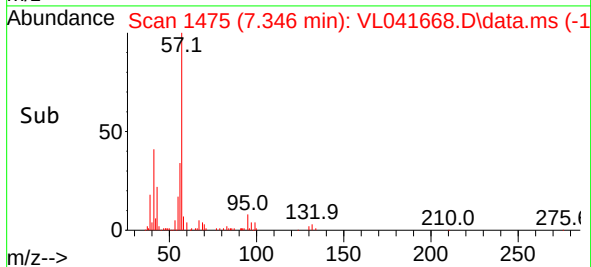
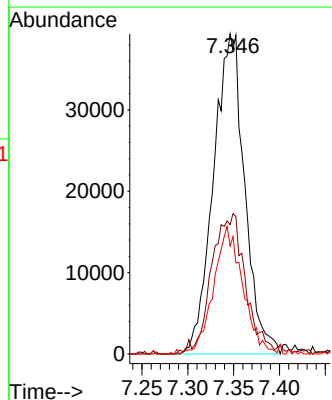
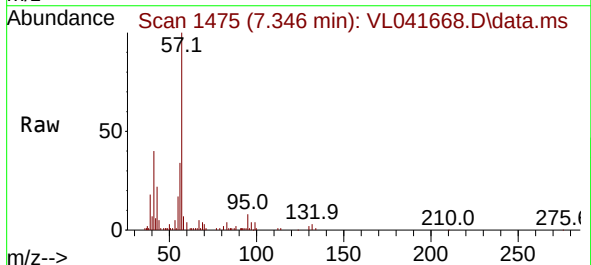
Manual Integrations
APPROVED

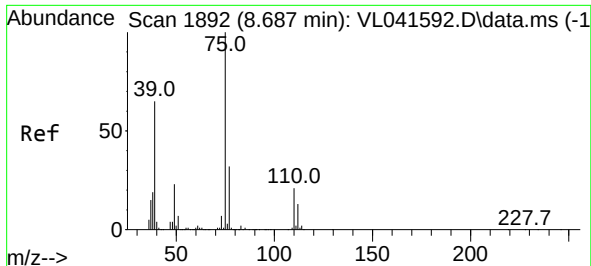
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#44
2,2,4-Trimethylpentane
Concen: 0.288 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 57 Resp: 93230
Ion Ratio Lower Upper
57 100
41 48.0 27.0 40.6
56 37.6 25.5 38.3





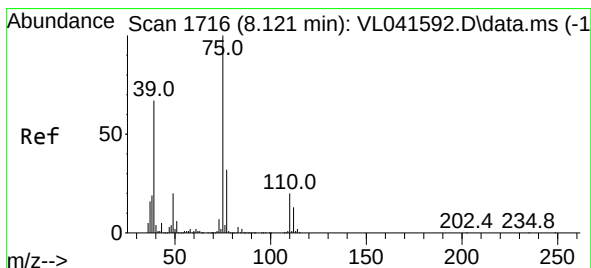
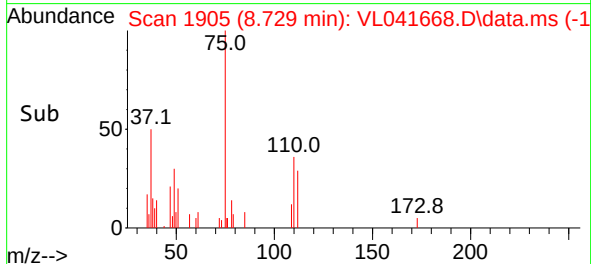
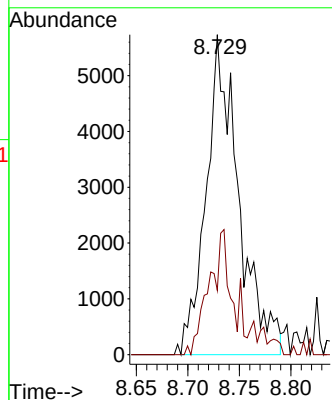
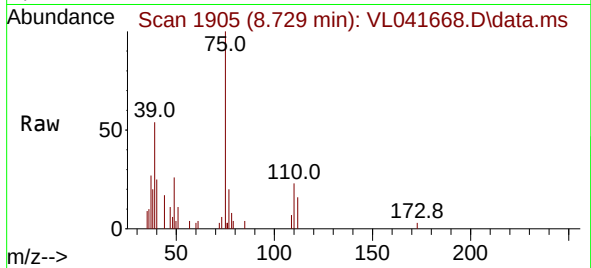
#45
t-1,3-Dichloropropene
Concen: 0.232 ppbv m
RT: 8.729 min Scan# 1892
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 75 Resp: 12534
Ion Ratio Lower Upper
75 100
77 20.1 25.4 38.0

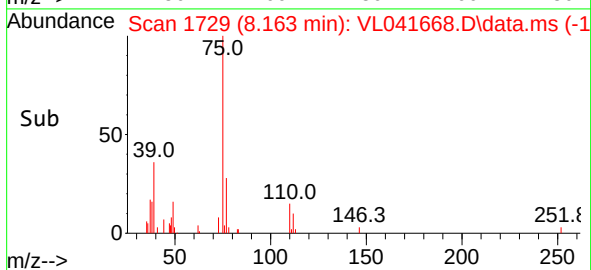
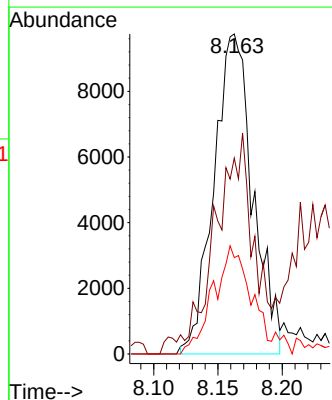
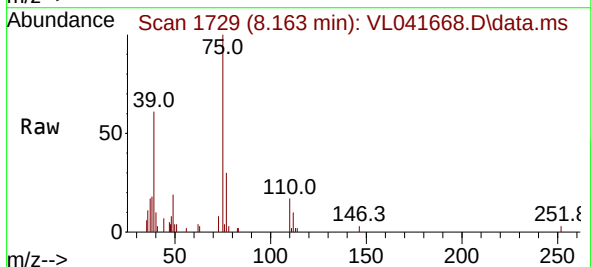
Manual Integrations
APPROVED

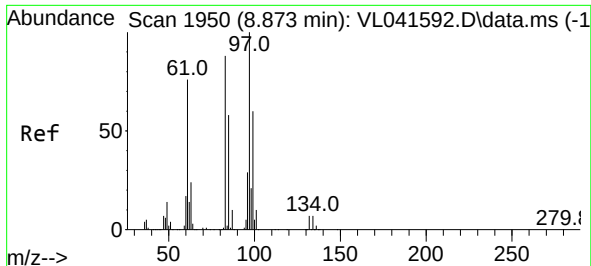
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#46
cis-1,3-Dichloropropene
Concen: 0.261 ppbv m
RT: 8.163 min Scan# 1729
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 75 Resp: 20630
Ion Ratio Lower Upper
75 100
39 61.2 54.0 81.0
77 30.1 25.2 37.8





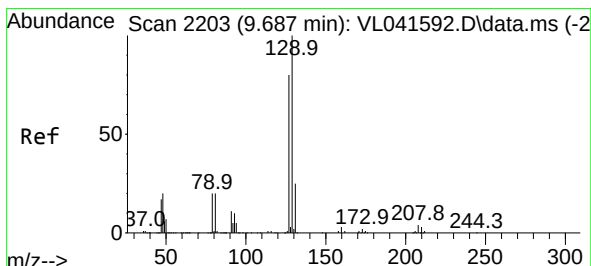
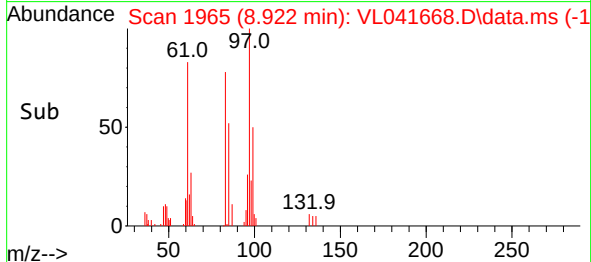
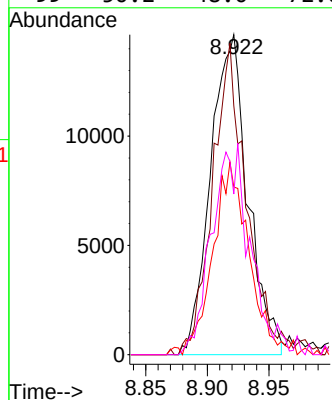
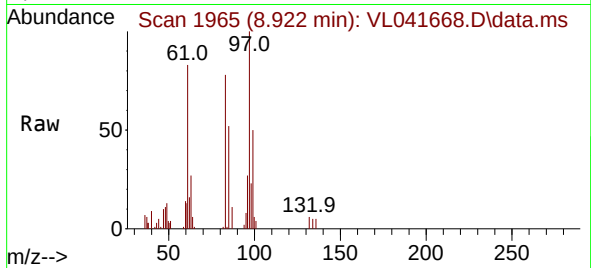
#47
1,1,2-Trichloroethane
Concen: 0.382 ppbv m
RT: 8.922 min Scan# 1950
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 97	Resp: 3084
Ion Ratio	Lower Upper
97	100
83	77.8 70.2 105.4
85	52.4 46.3 69.5
99	50.2 48.0 72.0

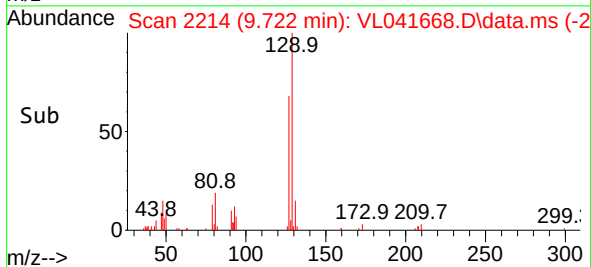
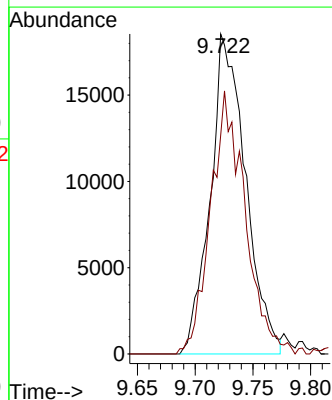
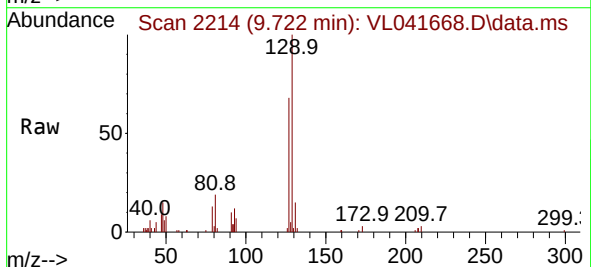
Manual Integrations
APPROVED

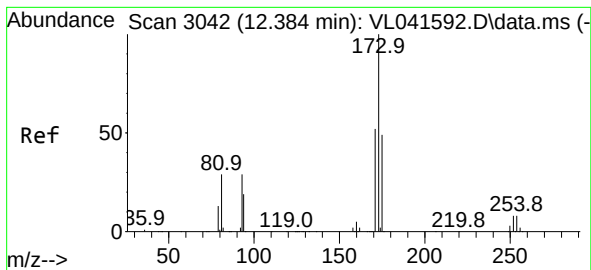
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#48
Dibromochloromethane
Concen: 0.321 ppbv
RT: 9.722 min Scan# 2214
Delta R.T. 0.035 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:129	Resp: 39327
Ion Ratio	Lower Upper
129	100
127	81.4 39.3 117.9





#49

Bromoform

Concen: 0.297 ppbv m

RT: 12.433 min Scan# 3042

Delta R.T. 0.048 min

Lab File: VL041668.D

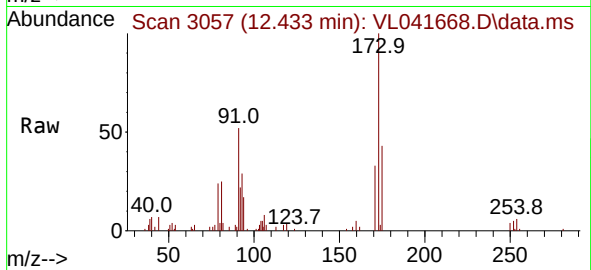
Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

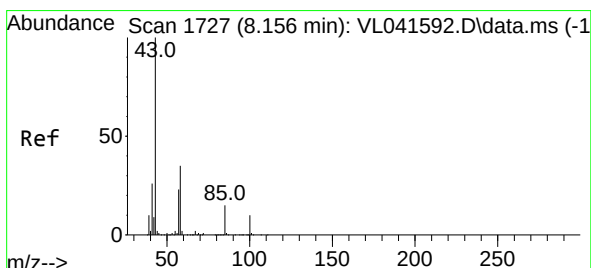
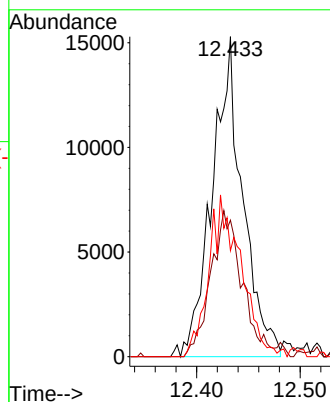
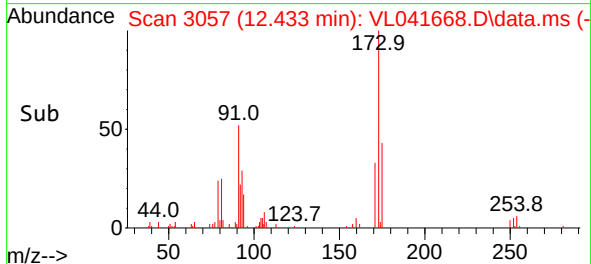


Tgt Ion:	173	Resp:	3118
Ion Ratio	Lower	Upper	
173	100		
175	0.0	40.1	60.1
171	0.0	42.2	63.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#50

4-Methyl-2-Pentanone

Concen: 0.268 ppbv m

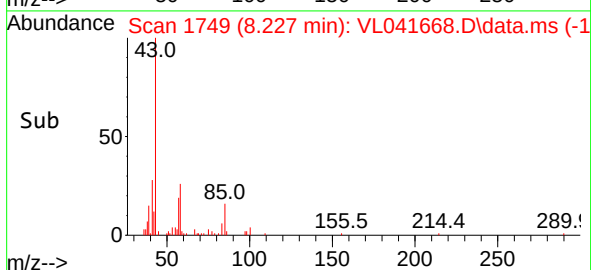
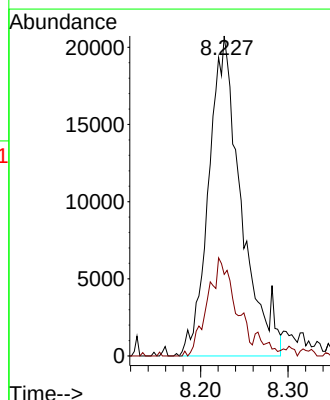
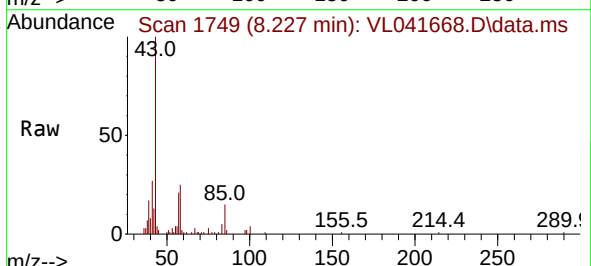
RT: 8.227 min Scan# 1749

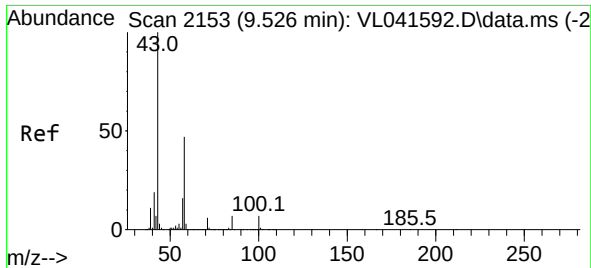
Delta R.T. 0.071 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

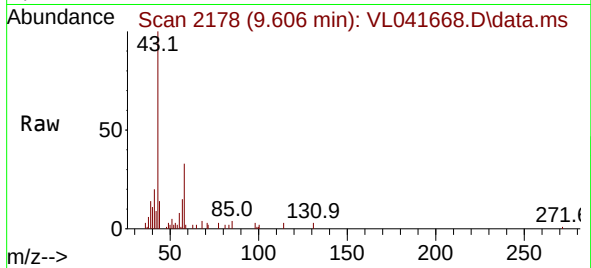
Tgt Ion:	43	Resp:	53249
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.8	41.8





#51
2-Hexanone
Concen: 0.232 ppbv m
RT: 9.606 min Scan# 2153
Delta R.T. 0.080 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

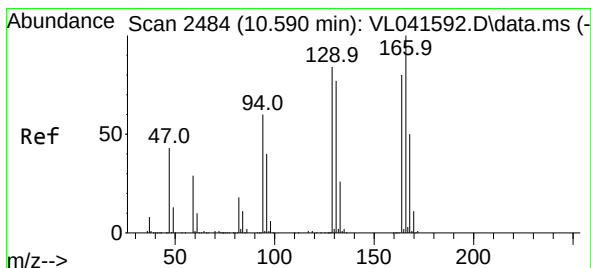
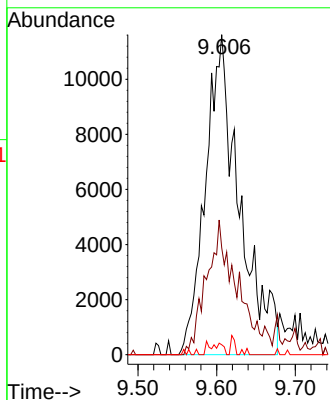
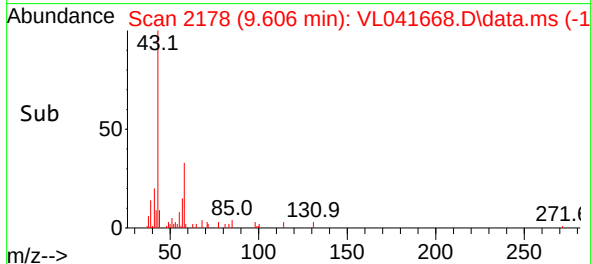
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



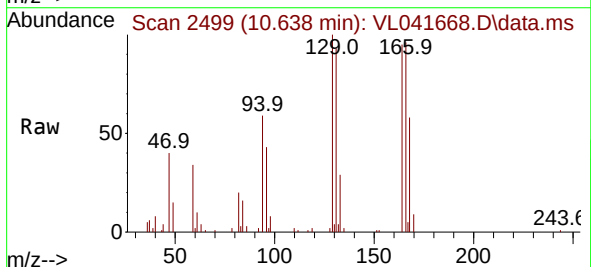
Tgt Ion: 43 Resp: 3473
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8
98 0.0 0.5 0.7

Manual Integrations
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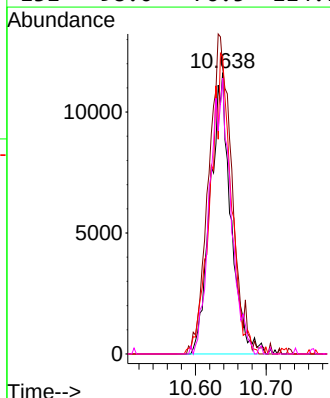
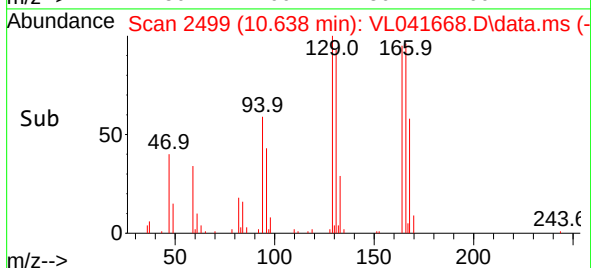
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

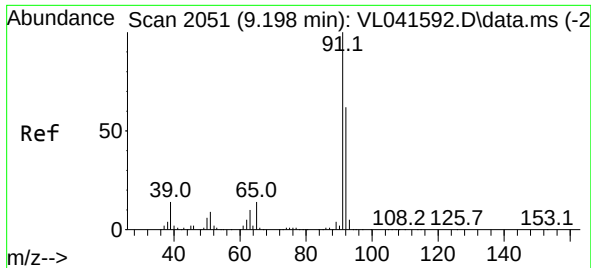


#52
Tetrachloroethene
Concen: 0.347 ppbv m
RT: 10.638 min Scan# 2499
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



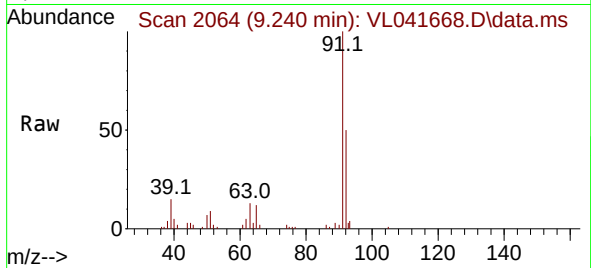
Tgt Ion:164 Resp: 23495
Ion Ratio Lower Upper
164 100
166 101.7 99.4 149.2
129 105.7 83.5 125.3
131 98.0 76.5 114.7





#53
Toluene
Concen: 0.227 ppbv m
RT: 9.240 min Scan# 2051
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

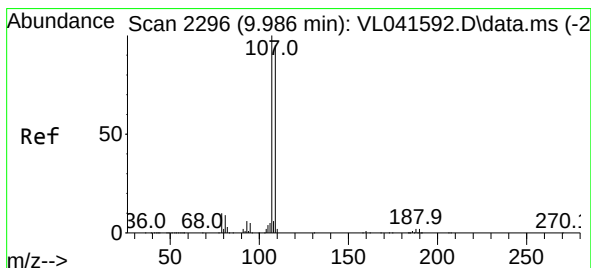
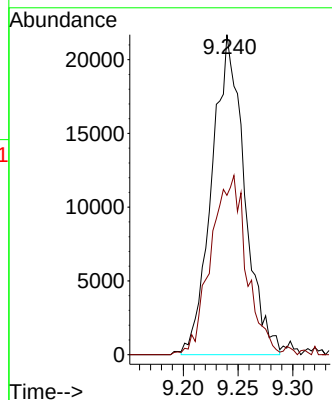
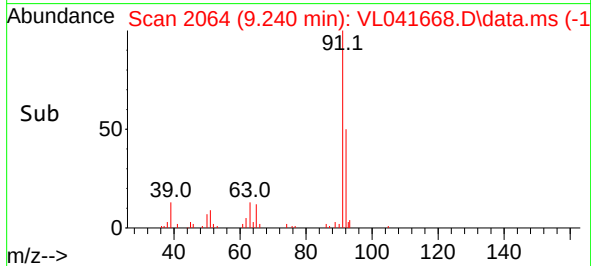
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



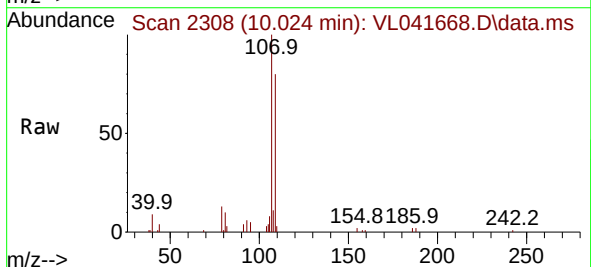
Tgt Ion: 91 Resp: 45010
Ion Ratio Lower Upper
91 100
92 62.1 48.9 73.3

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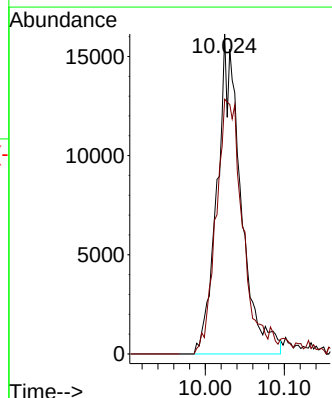
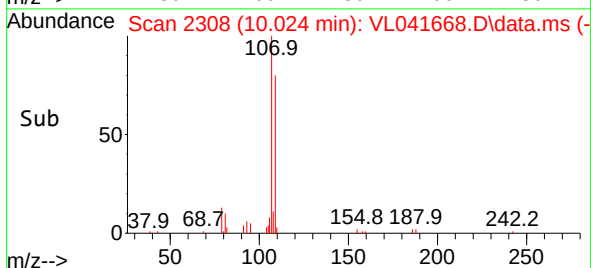
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

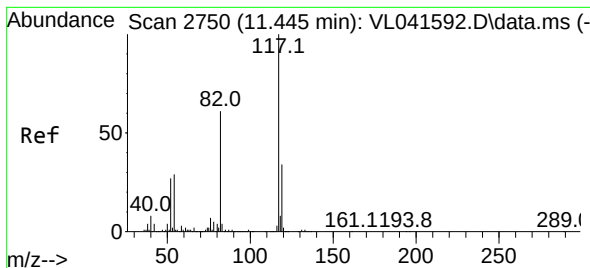


#54
1,2-Dibromoethane
Concen: 0.340 ppbv m
RT: 10.024 min Scan# 2308
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



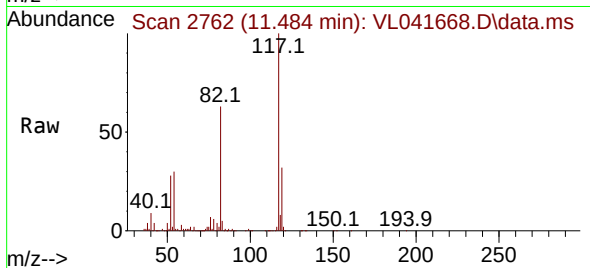
Tgt Ion:107 Resp: 33840
Ion Ratio Lower Upper
107 100
109 79.6 75.7 113.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2750
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

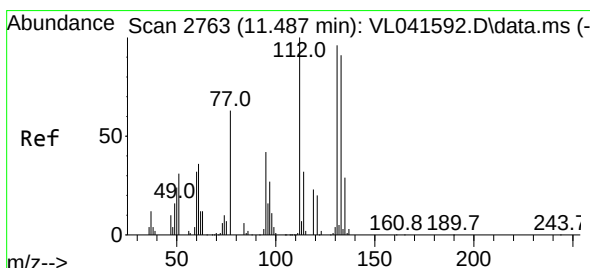
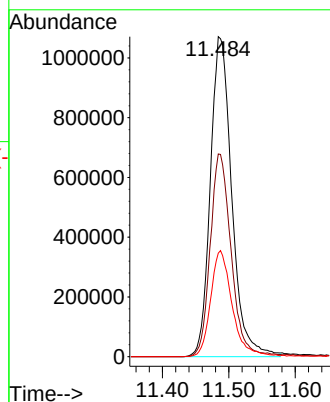
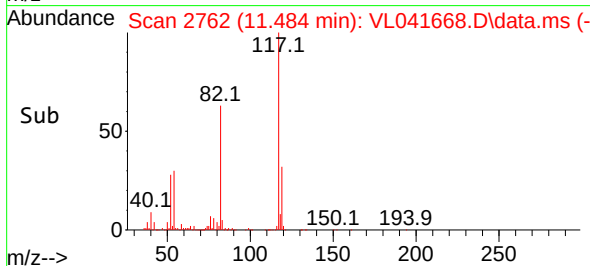
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



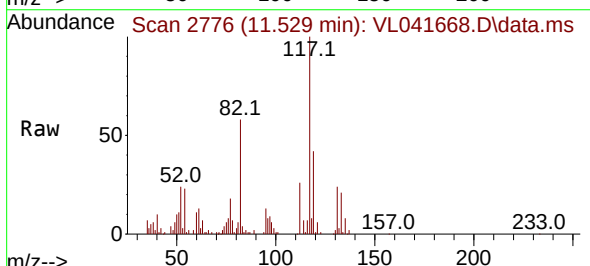
Tgt Ion:117 Resp: 2403570
Ion Ratio Lower Upper
117 100
82 62.8 49.4 74.2
119 33.7 24.4 36.6

Manual Integrations
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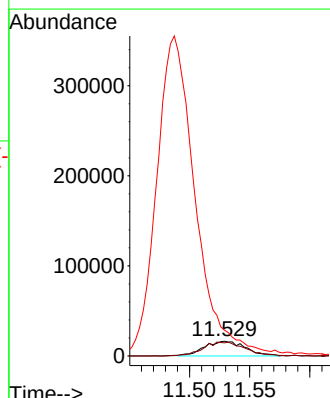
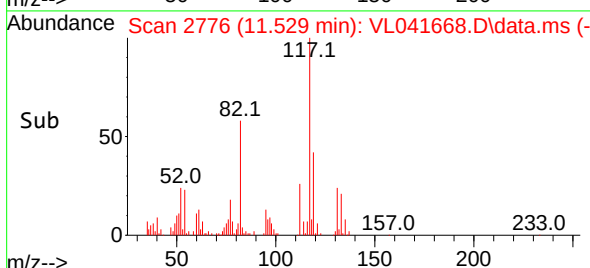
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

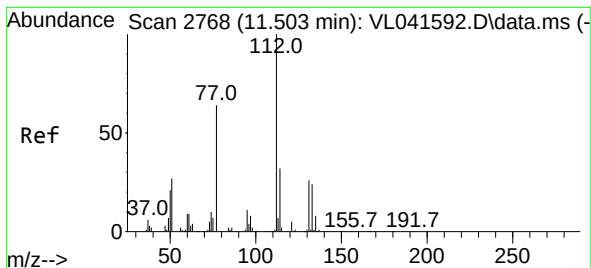


#56
1,1,1,2-Tetrachloroethane
Concen: 0.413 ppbv m
RT: 11.529 min Scan# 2776
Delta R.T. 0.042 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



Tgt Ion:131 Resp: 38772
Ion Ratio Lower Upper
131 100
133 97.2 76.6 115.0
119 0.0 48.5 72.7#





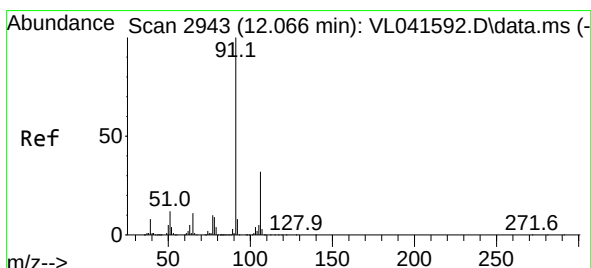
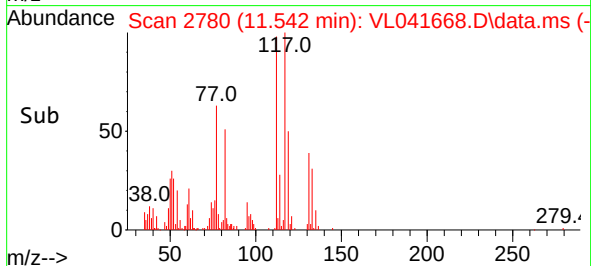
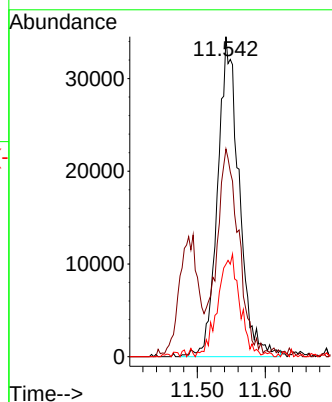
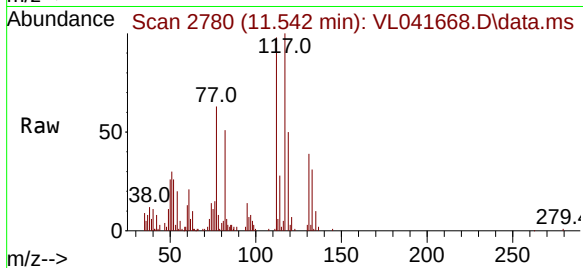
#57
Chlorobenzene
Concen: 0.438 ppbv m
RT: 11.542 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion:112 Resp: 7584
Ion Ratio Lower Upper
112 100
77 64.9 52.0 78.0
114 28.9 28.6 35.0

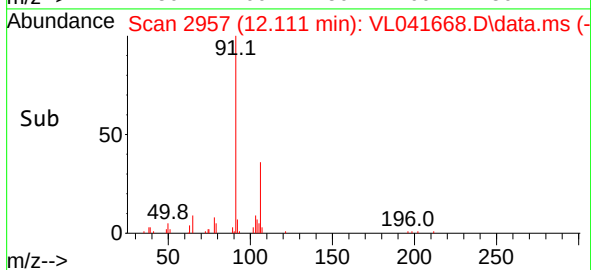
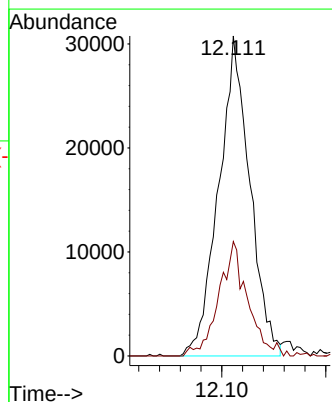
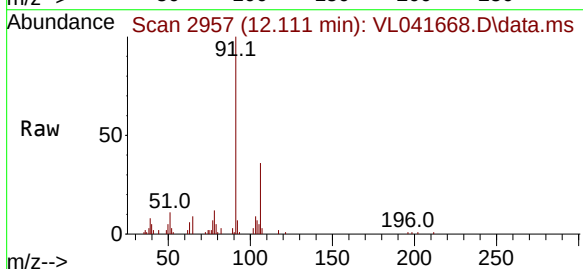
Manual Integrations
APPROVED

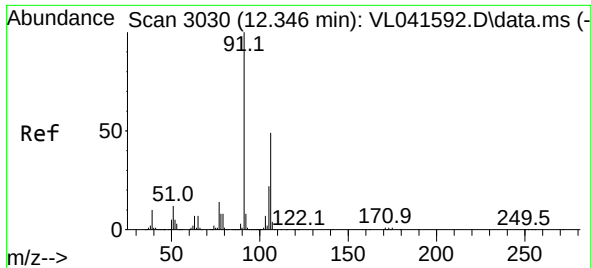
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#58
Ethyl Benzene
Concen: 0.249 ppbv
RT: 12.111 min Scan# 2957
Delta R.T. 0.045 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

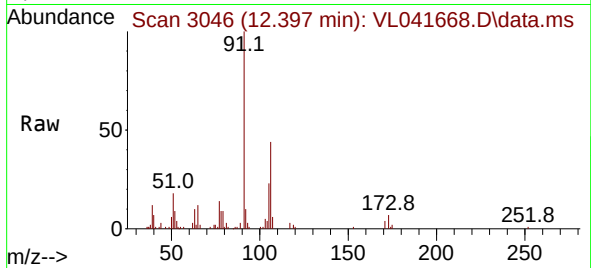
Tgt Ion: 91 Resp: 63976
Ion Ratio Lower Upper
91 100
106 35.7 25.8 38.6





#59
m/p-Xylene
Concen: 0.537 ppbv m
RT: 12.397 min Scan# 3030
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

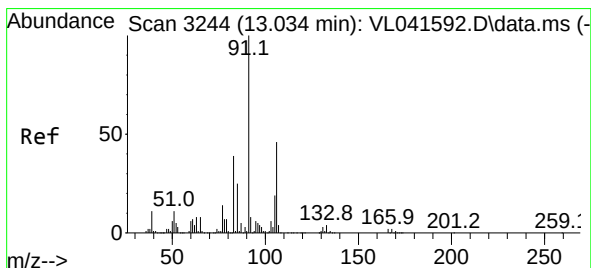
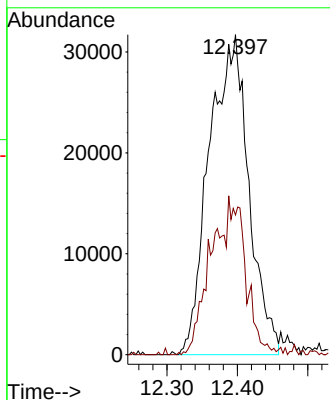
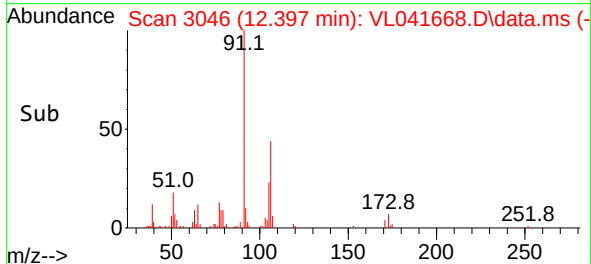
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



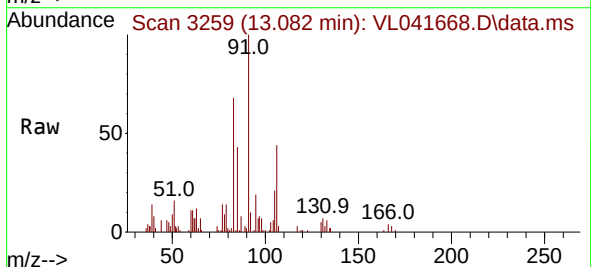
Tgt Ion: 91 Resp: 12308
Ion Ratio Lower Upper
91 100
106 43.5 36.8 55.2

Manual Integrations
APPROVED

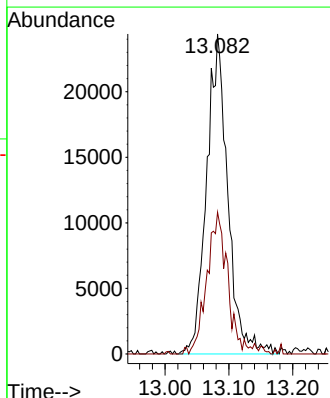
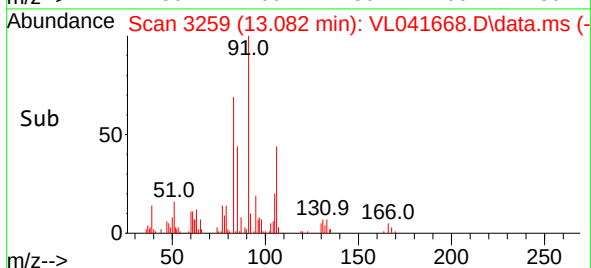
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

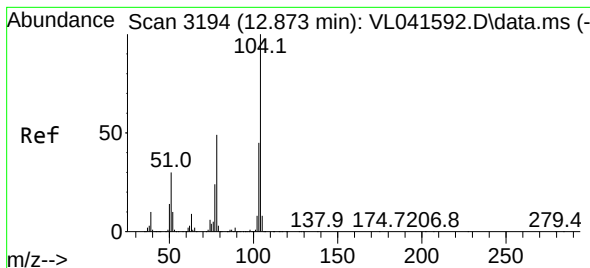


#60
o-Xylene
Concen: 0.256 ppbv m
RT: 13.082 min Scan# 3259
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



Tgt Ion: 91 Resp: 56313
Ion Ratio Lower Upper
91 100
106 44.6 23.1 69.3





#61

Styrene

Concen: 0.207 ppbv m

RT: 12.918 min Scan# 3194

Delta R.T. 0.045 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

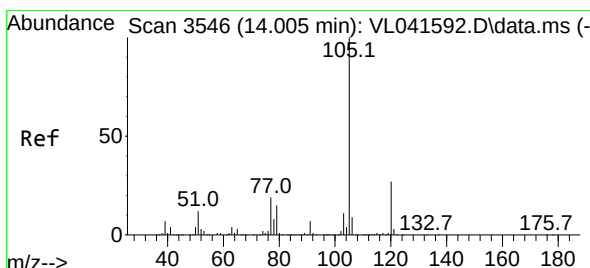
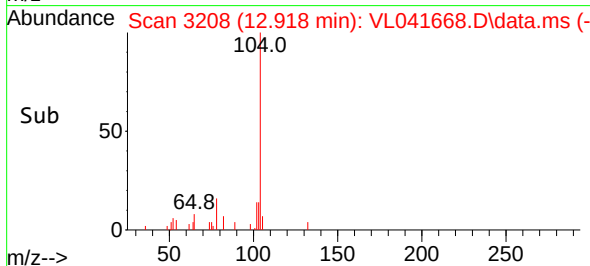
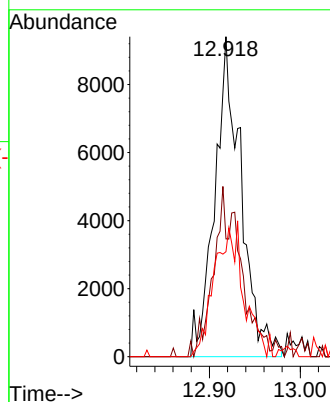
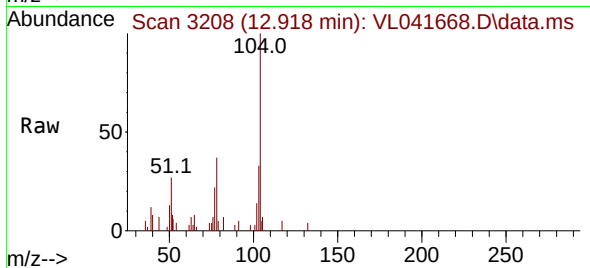
MDL-AIR-03-QT4-2024

Tgt Ion:104	Resp:	18950
Ion Ratio	Lower	Upper
104	100	
78	56.5	39.8 59.6
103	0.0	37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#62

Isopropylbenzene

Concen: 0.320 ppbv m

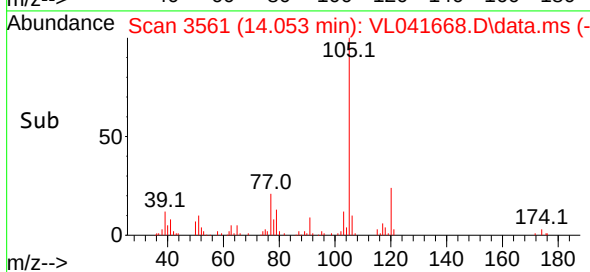
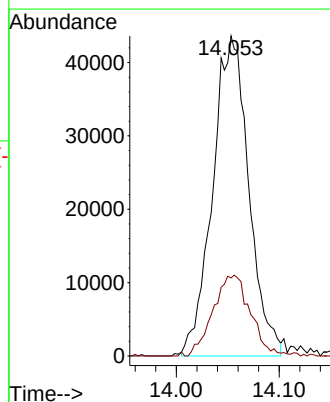
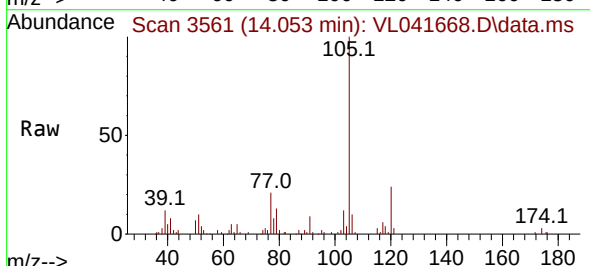
RT: 14.053 min Scan# 3561

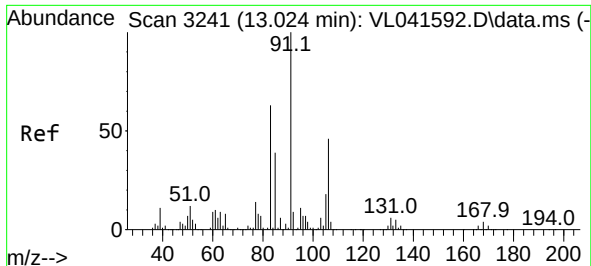
Delta R.T. 0.048 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

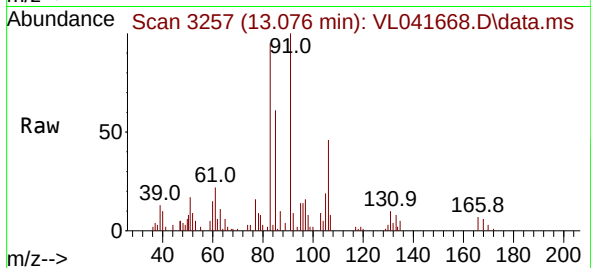
Tgt Ion:105	Resp:	106344
Ion Ratio	Lower	Upper
105	100	
120	26.4	20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.416 ppbv
RT: 13.076 min Scan# 31
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

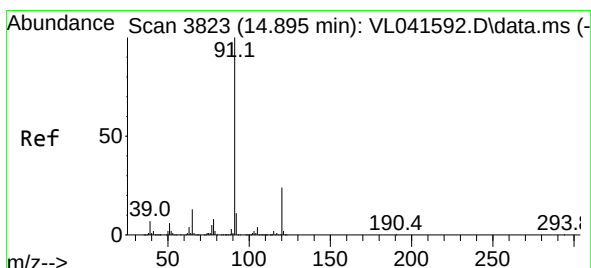
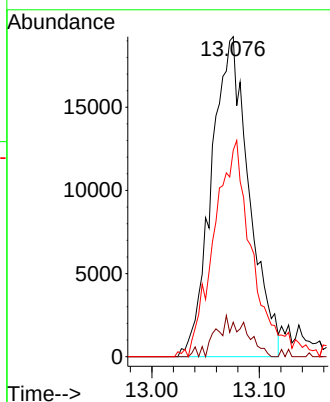
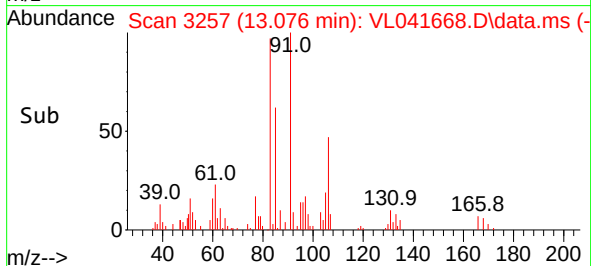
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



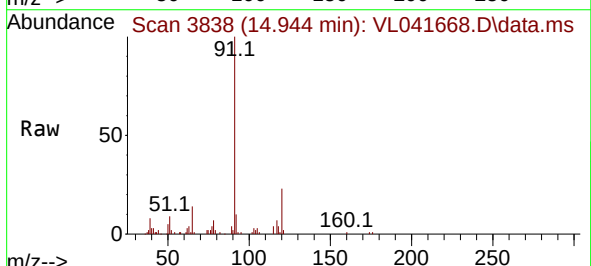
Tgt Ion: 83 Resp: 4674
Ion Ratio Lower Upper
83 100
131 10.2 4.8 14.4
85 69.4 32.5 97.4

Manual Integrations
APPROVED

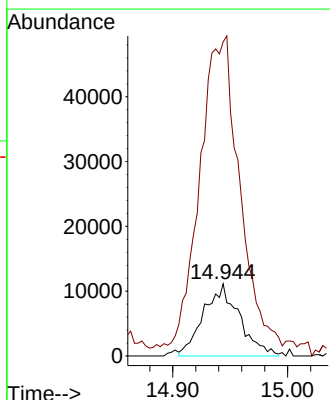
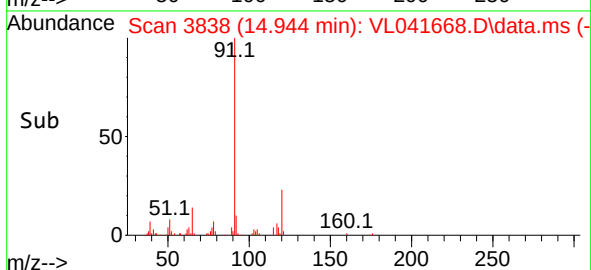
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024

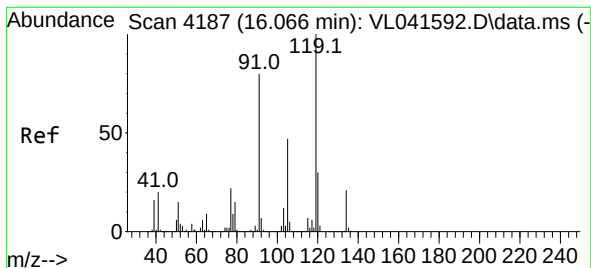


#64
n-propylbenzene
Concen: 0.280 ppbv m
RT: 14.944 min Scan# 3838
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00



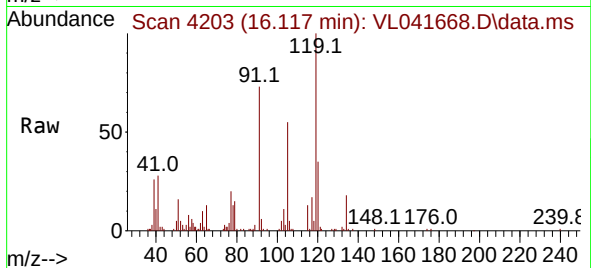
Tgt Ion:120 Resp: 24055
Ion Ratio Lower Upper
120 100
91 542.1 366.4 549.6





#65
tert-Butylbenzene
Concen: 0.284 ppbv m
RT: 16.117 min Scan# 4187
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

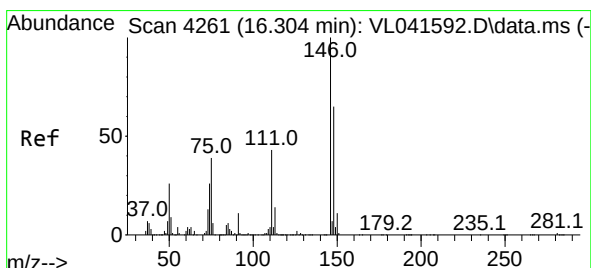
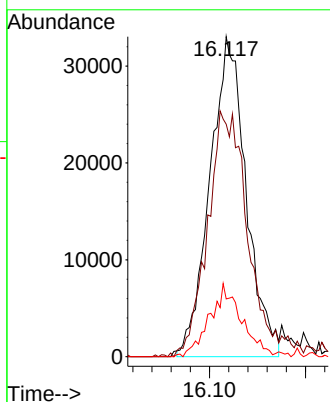
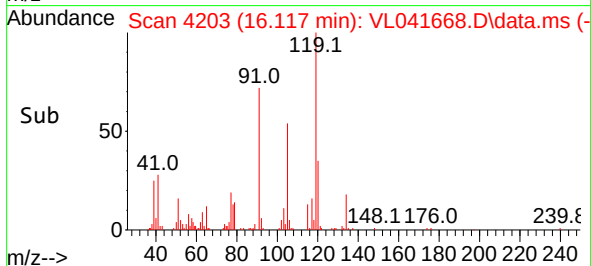
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024



Tgt Ion: 119 Resp: 8668
Ion Ratio Lower Upper
119 100
91 85.5 64.6 96.8
134 20.6 15.8 23.8

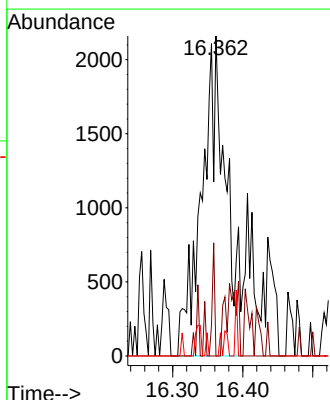
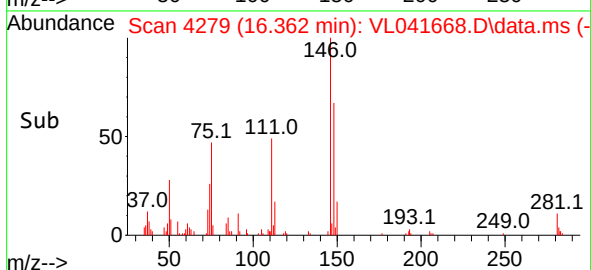
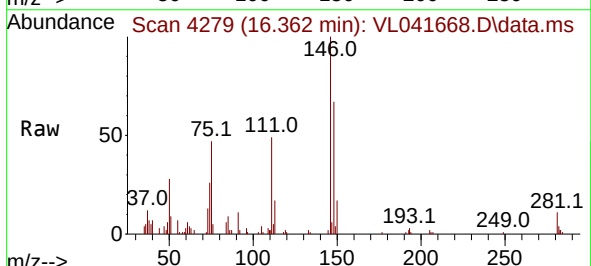
Manual Integrations
APPROVED

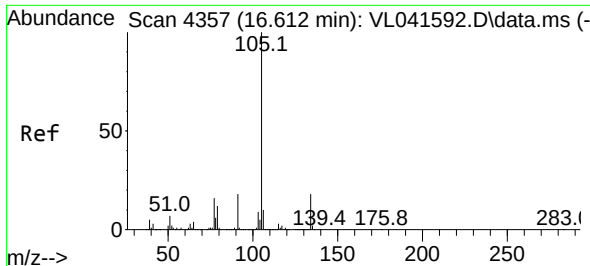
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#66
Benzyl Chloride
Concen: 0.431 ppbv m
RT: 16.362 min Scan# 4279
Delta R.T. 0.058 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 91 Resp: 6831
Ion Ratio Lower Upper
91 100
126 8.1 15.4 23.2#
128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.298 ppbv

RT: 16.661 min Scan# 41

Delta R.T. 0.048 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion:105 Resp: 12586

Ion Ratio Lower Upper

105 100

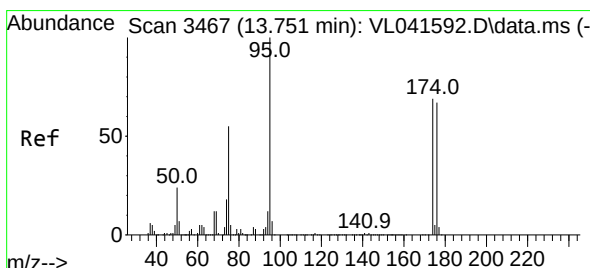
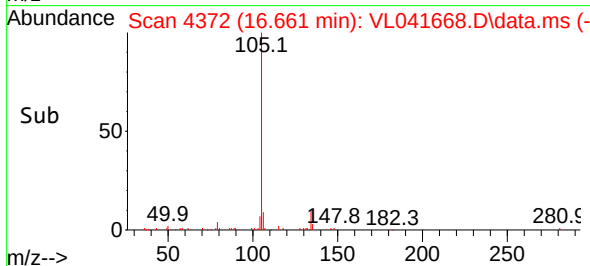
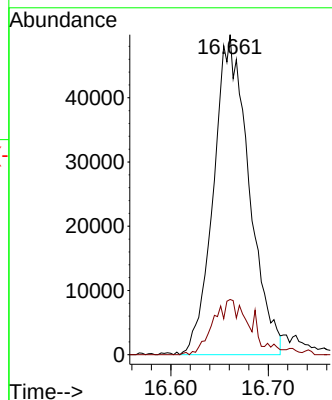
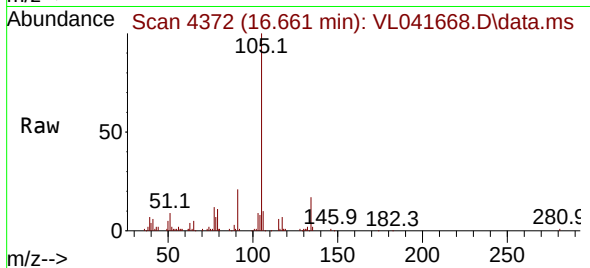
134 19.0 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.281 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.045 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

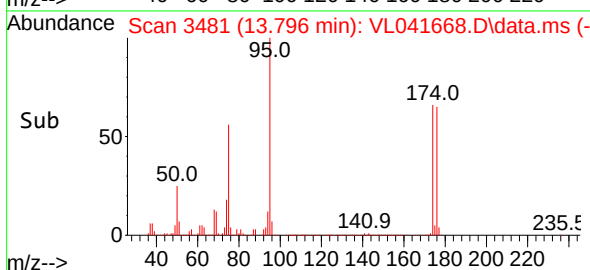
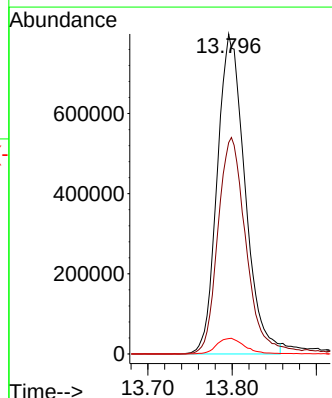
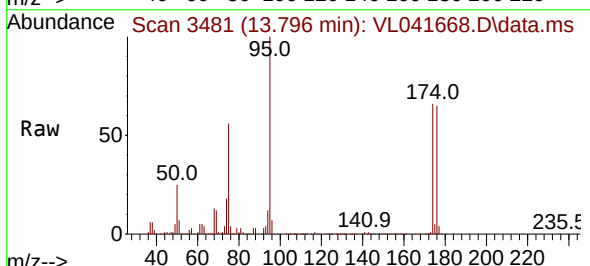
Tgt Ion: 95 Resp: 1819115

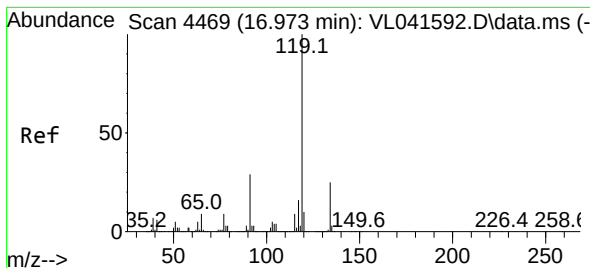
Ion Ratio Lower Upper

95 100

174 70.5 55.8 83.8

175 5.0 4.1 6.1





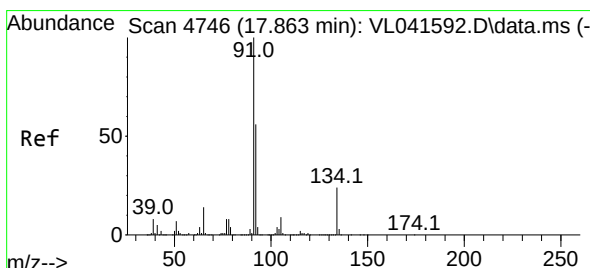
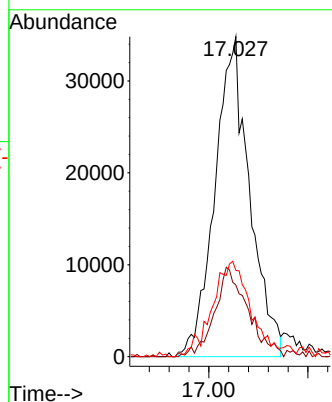
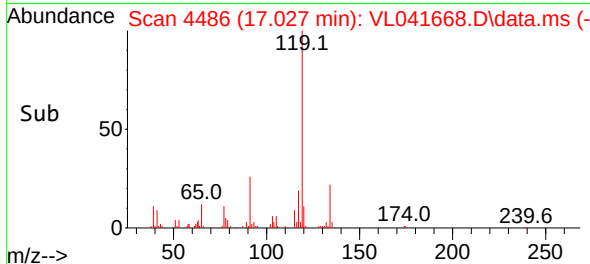
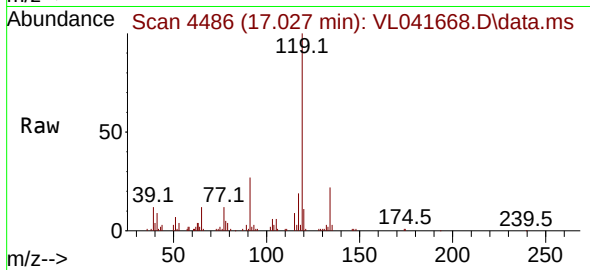
#69
p-Isopropyltoluene
Concen: 0.247 ppbv m
RT: 17.027 min Scan# 4469
Delta R.T. 0.055 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion:119 Resp: 84619
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7
91 0.0 23.1 34.7

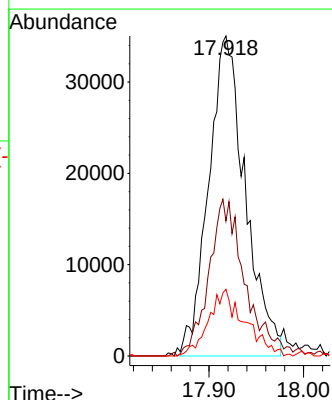
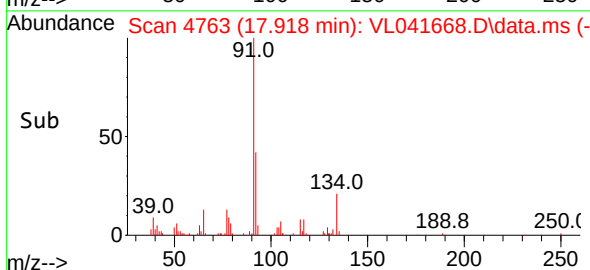
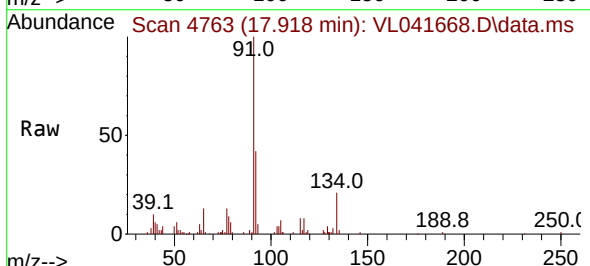
Manual Integrations
APPROVED

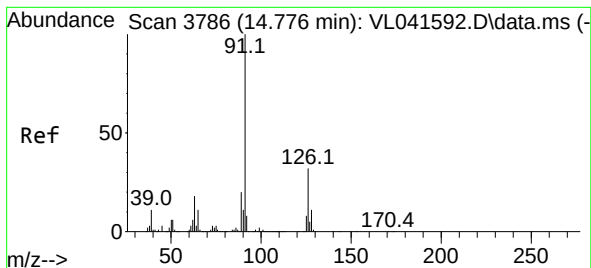
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#70
n-Butylbenzene
Concen: 0.263 ppbv m
RT: 17.918 min Scan# 4763
Delta R.T. 0.055 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion: 91 Resp: 94463
Ion Ratio Lower Upper
91 100
92 48.8 43.2 64.8
134 20.9 18.6 27.8





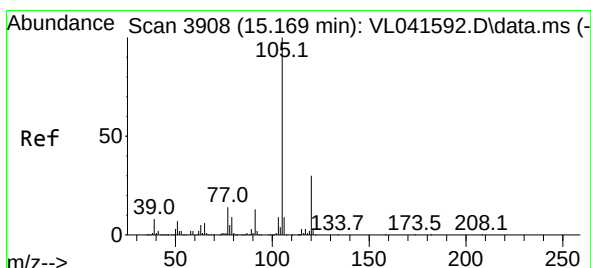
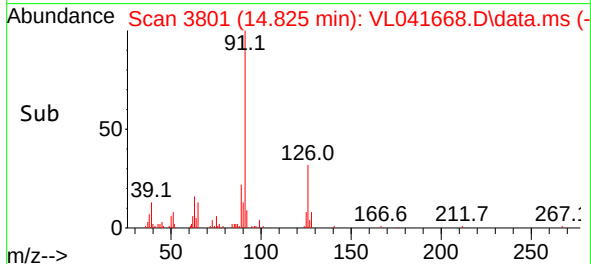
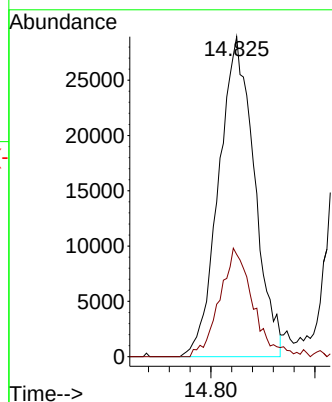
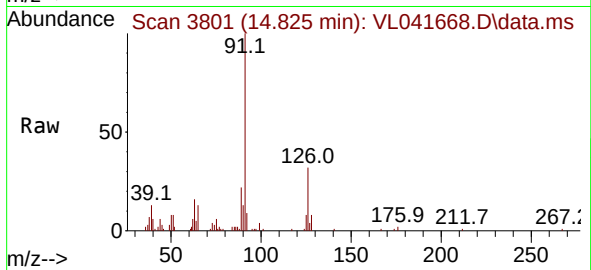
#71
2-Chlorotoluene
Concen: 0.281 ppbv
RT: 14.825 min Scan# 3801
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion: 91 Resp: 68854
Ion Ratio Lower Upper
91 100
126 32.4 12.9 51.5

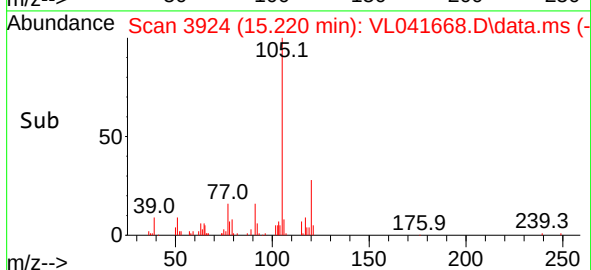
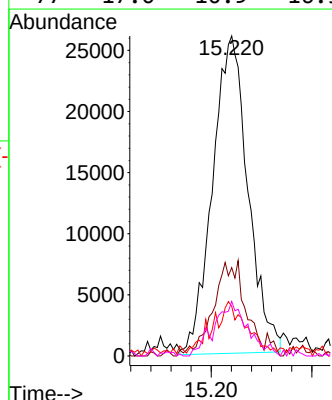
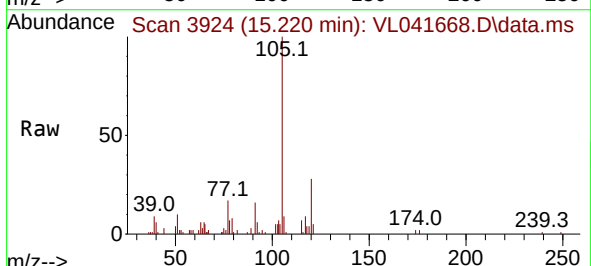
Manual Integrations
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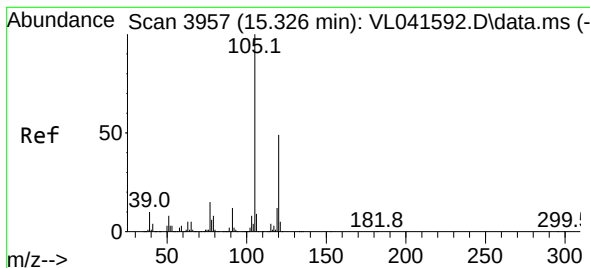
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#72
4-Ethyltoluene
Concen: 0.247 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:105 Resp: 63481
Ion Ratio Lower Upper
105 100
120 28.8 24.1 36.1
91 14.1 10.2 15.2
77 17.0 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.267 ppbv m

RT: 15.378 min Scan# 3957

Delta R.T. 0.052 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

Tgt Ion:105 Resp: 6060

Ion Ratio Lower Upper

105 100

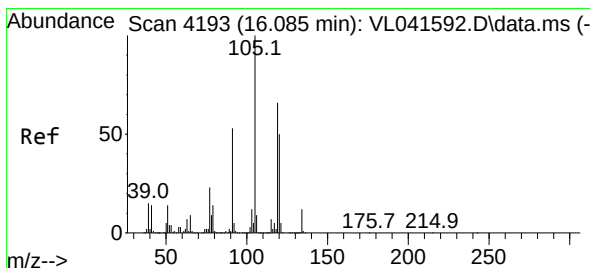
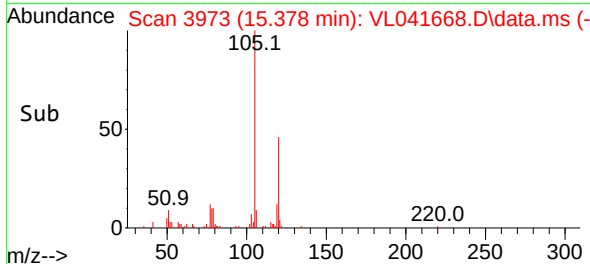
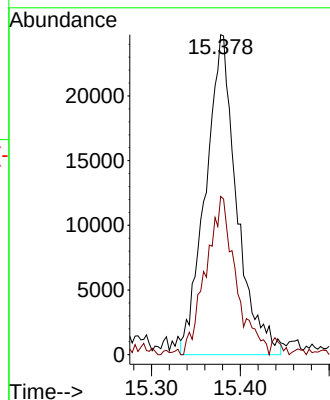
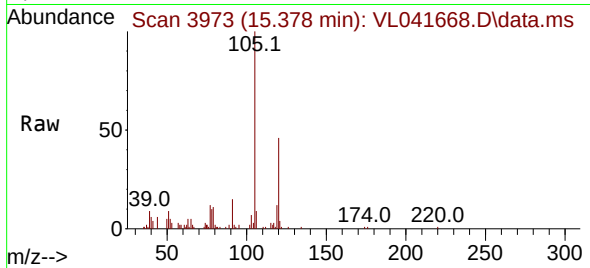
120 45.7 39.4 59.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.307 ppbv m

RT: 16.130 min Scan# 4207

Delta R.T. 0.045 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Tgt Ion:105 Resp: 81474

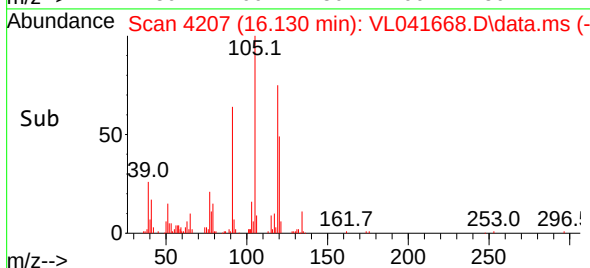
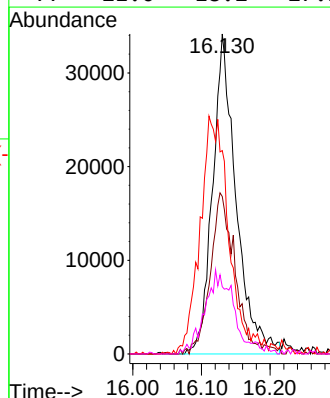
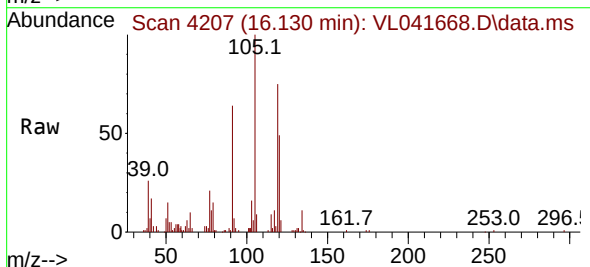
Ion Ratio Lower Upper

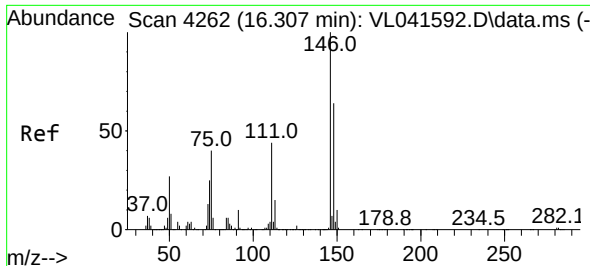
105 100

120 49.2 39.9 59.9

91 63.6 42.6 63.8

77 21.0 18.2 27.2





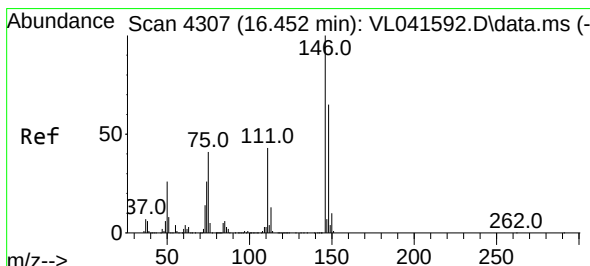
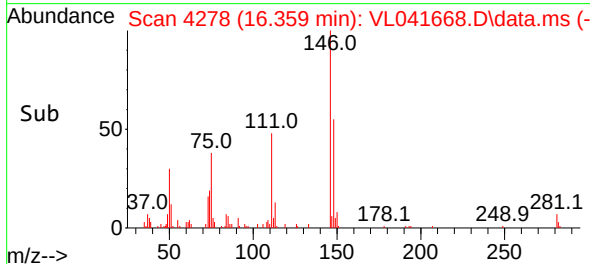
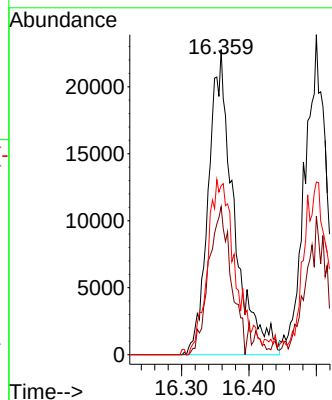
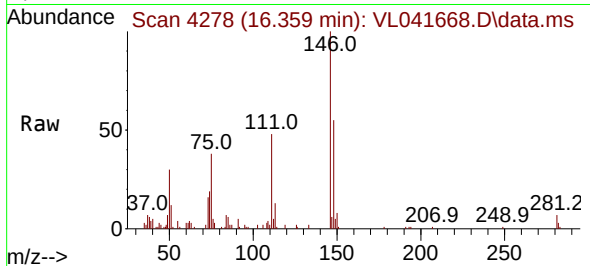
#75
1,3-Dichlorobenzene
Concen: 0.360 ppbv m
RT: 16.359 min Scan# 4322
Delta R.T. 0.052 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2024

Tgt Ion:146 Resp: 5980
Ion Ratio Lower Upper
146 100
111 46.5 22.4 67.0
148 0.0 32.1 96.5

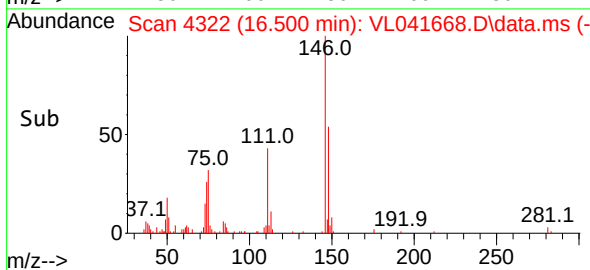
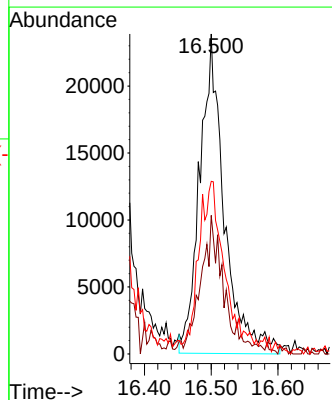
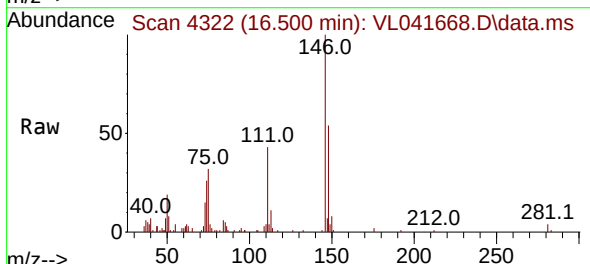
Manual Integrations
APPROVED

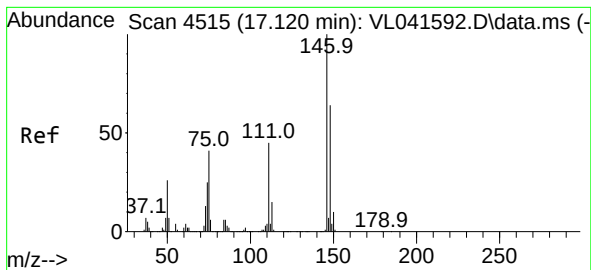
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#76
1,4-Dichlorobenzene
Concen: 0.381 ppbv m
RT: 16.500 min Scan# 4322
Delta R.T. 0.048 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Tgt Ion:146 Resp: 60747
Ion Ratio Lower Upper
146 100
111 0.0 22.4 67.3#
148 0.0 32.8 98.4#





#77

1,2-Dichlorobenzene

Concen: 0.372 ppbv m

RT: 17.175 min Scan# 4

Delta R.T. 0.055 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2024

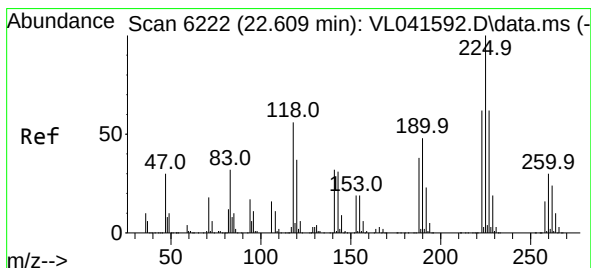
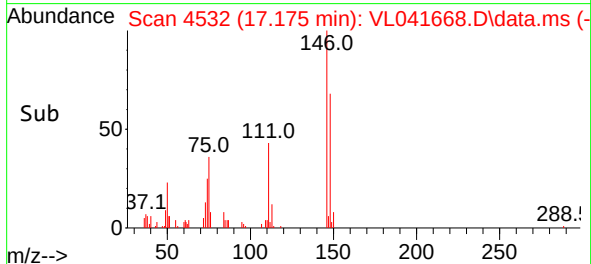
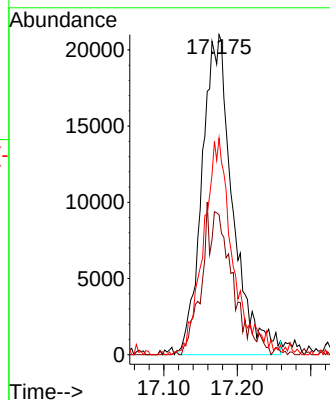
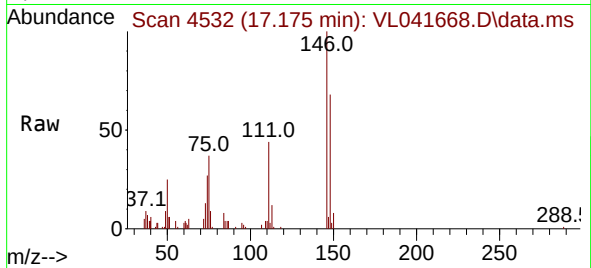
Tgt Ion:	146	Resp:	61020
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.0#
148	65.2	32.5	97.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/15/2024

Supervised By :Mahesh Dadoda 10/15/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.399 ppbv m

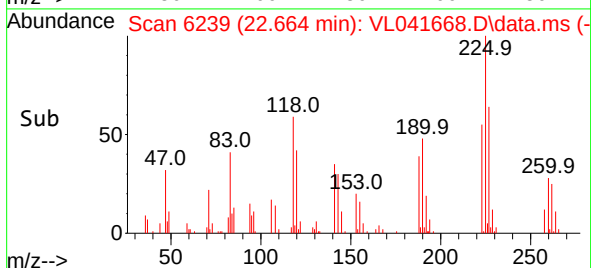
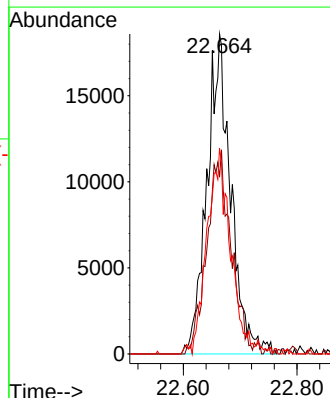
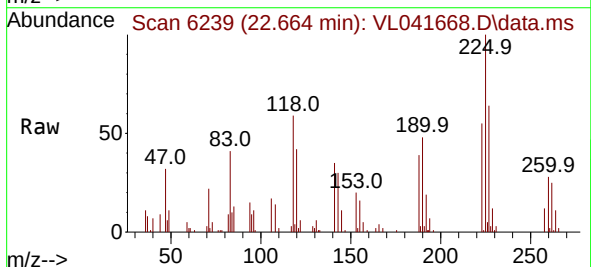
RT: 22.664 min Scan# 6239

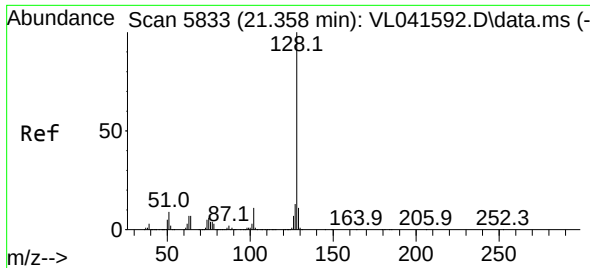
Delta R.T. 0.055 min

Lab File: VL041668.D

Acq: 14 Oct 2024 15:00

Tgt Ion:	225	Resp:	53974
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.6	75.8#
227	0.0	50.9	76.3#





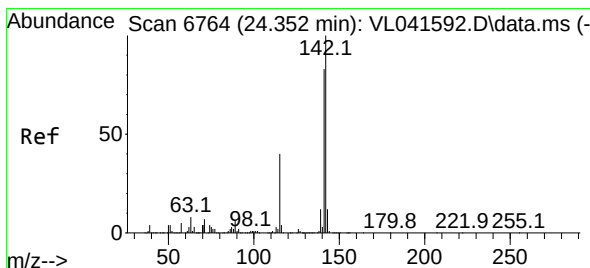
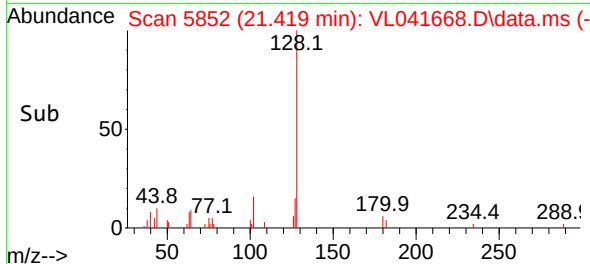
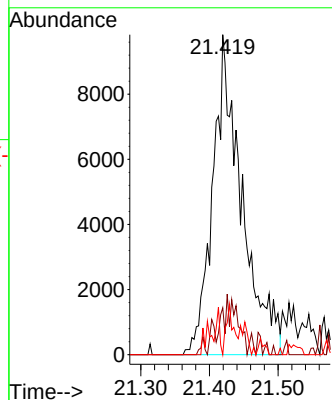
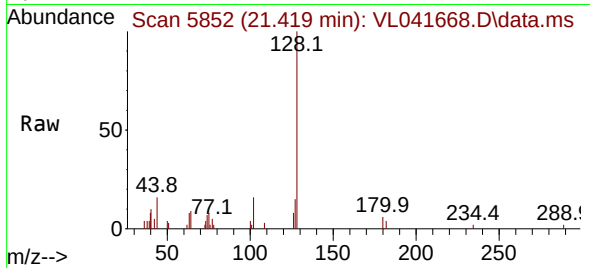
#79
Naphthalene
Concen: 0.148 ppbv m
RT: 21.419 min Scan# 5852
Delta R.T. 0.061 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2024

Tgt Ion:128 Resp: 28810
Ion Ratio Lower Upper
128 100
127 14.7 10.1 15.1
129 0.0 9.1 13.7

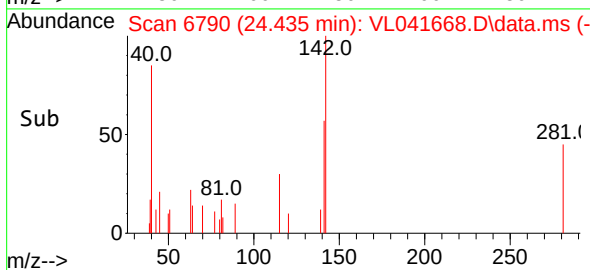
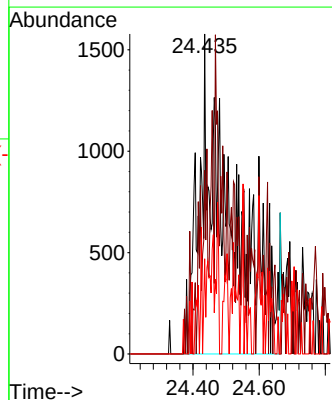
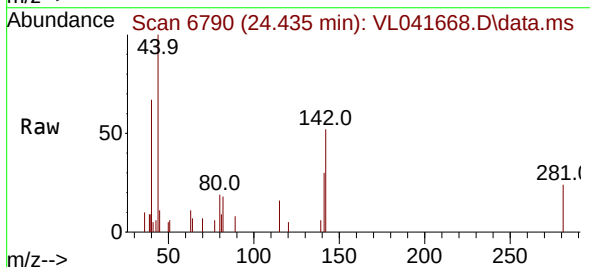
Manual Integrations
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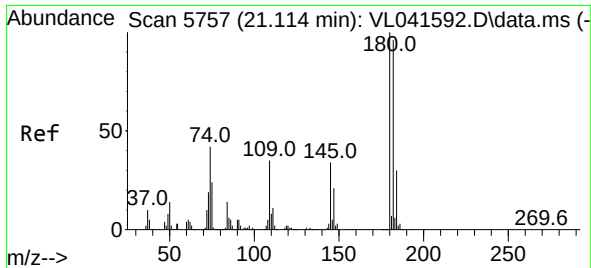
Reviewed By :Semsettin Yesilyurt 10/15/2024
Supervised By :Mahesh Dadoda 10/15/2024



#80
Naphthalene,2-methyl-
Concen: 0.074 ppbv m
RT: 24.435 min Scan# 6790
Delta R.T. 0.084 min
Lab File: VL041668.D
Acq: 14 Oct 2024 15:00

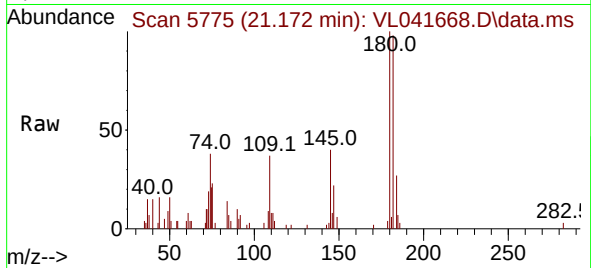
Tgt Ion:142 Resp: 10057
Ion Ratio Lower Upper
142 100
141 4.7 66.3 99.5#
115 2.5 31.4 47.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.200 ppbv m
 RT: 21.172 min Scan# 51
 Delta R.T. 0.058 min
 Lab File: VL041668.D
 Acq: 14 Oct 2024 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.5	114.7
184	32.2	24.7	37.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

