

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038659.D
 Acq On : 21 Mar 2022 20:48
 Operator : SY/AP
 Sample : N1645-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 03:51:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:51:01 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	910542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2363628	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2086022	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1650444 10.320 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	72618	0.593	ppbv	98
3) Chlorodifluoromethane	2.989	51	47290	0.492	ppbv	100
4) Chloromethane	3.144	50	25839	0.489	ppbv	93
5) Vinyl Chloride	3.259	62	23405	0.436	ppbv	96
6) Bromomethane	3.475	94	12851	0.449	ppbv	94
7) Chloroethane	3.558	64	8020	0.452	ppbv	92
8) Dichlorotetrafluoroethane	3.189	85	60523	0.495	ppbv	97
9) Propene	3.015	41	21784	0.469	ppbv	99
10) Heptane	8.111	43	44576m	0.402	ppbv	
11) Trichlorofluoromethane	3.948	101	56005m	0.518	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.484	101	40578	0.488	ppbv	97
13) Ethanol	3.623	45	3123m	0.610	ppbv	
14) Bromoethene	3.742	108	17008	0.460	ppbv #	96
15) Acetone	3.864	43	41889m	0.533	ppbv	
16) 1,3-Butadiene	3.330	39	16449	0.369	ppbv #	79
17) tert-Butyl alcohol	4.308	59	31389m	0.457	ppbv	
18) 1,1-Dichloroethene	4.292	96	17295	0.463	ppbv	88
19) Isopropyl Alcohol	3.989	45	20004m	0.459	ppbv	
20) Methylene Chloride	4.343	84	17509m	0.529	ppbv	
21) Allyl Chloride	4.407	41	23273	0.412	ppbv #	85
22) trans-1,2-Dichloroethene	4.883	96	16162	0.417	ppbv	98
23) Vinyl Acetate	5.076	43	27751	0.365	ppbv #	92
24) 1,1-Dichloroethane	5.009	63	31582	0.422	ppbv	98
25) Ethyl Acetate	5.684	43	84874	0.429	ppbv	97
26) Hexane	5.681	57	35440	0.400	ppbv #	83
27) Carbon Disulfide	4.552	76	36472	0.420	ppbv	97
28) Methyl tert-Butyl Ether	5.047	73	29081	0.441	ppbv	98
29) Chloroform	5.745	83	63148	0.445	ppbv	99
30) Cyclohexane	7.124	84	31168	0.405	ppbv #	85
31) cis-1,2-Dichloroethene	5.546	61	31943	0.384	ppbv	90
32) 1,1,1-Trichloroethane	6.500	97	61028m	0.446	ppbv	
34) 2-Butanone	5.259	43	45446	0.486	ppbv	93
35) Carbon Tetrachloride	7.012	117	58909	0.430	ppbv	96
36) Benzene	6.883	78	75071	0.412	ppbv	99
37) 1,2-Dichloroethane	6.301	62	40633	0.438	ppbv	100
38) Trichloroethene	7.825	130	32166m	0.421	ppbv	
39) 1,2-Dichloropropane	7.610	63	33951m	0.476	ppbv	
40) 1,4-Dioxane	7.870	88	10517m	0.425	ppbv	
41) Tetrahydrofuran	6.070	42	26776m	0.385	ppbv	
42) Bromodichloromethane	7.783	83	61780	0.444	ppbv	94
43) Methyl Methacrylate	8.015	69	22988	0.339	ppbv	93
44) 2,2,4-Trimethylpentane	7.864	57	126901	0.414	ppbv	93
45) t-1,3-Dichloropropene	9.266	75	20847m	0.303	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	31198m	0.335	ppbv	
47) 1,1,2-Trichloroethane	9.471	97	34202	0.449	ppbv	94
48) Dibromochloromethane	10.295	129	48119	0.403	ppbv	97
49) Bromoform	13.034	173	37122m	0.382	ppbv	
50) 4-Methyl-2-Pentanone	8.754	43	60859	0.350	ppbv	99
51) 2-Hexanone	10.160	43	40372m	0.323	ppbv	
52) Tetrachloroethene	11.211	164	28092	0.421	ppbv	93
53) Toluene	9.799	91	68934	0.352	ppbv	99
54) 1,2-Dibromoethane	10.600	107	42542	0.409	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.111	131	41345	0.478	ppbv #	1
57) Chlorobenzene	12.134	112	71353	0.474	ppbv #	94
58) Ethyl Benzene	12.703	91	88670	0.364	ppbv	95
59) m/p-Xylene	12.979	91	170402	0.799	ppbv	99
60) o-Xylene	13.680	91	80164	0.396	ppbv	98
61) Styrene	13.519	104	34289	0.312	ppbv	97
62) Isopropylbenzene	14.654	105	130581	0.429	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.664	83	71058	0.453	ppbv	98
64) n-propylbenzene	15.552	120	31828	0.398	ppbv	82
65) tert-Butylbenzene	16.732	119	113471m	0.415	ppbv	
66) Benzyl Chloride	16.982	91	17599m	0.340	ppbv	
67) sec-Butylbenzene	17.285	105	163542	0.418	ppbv	99
69) p-Isopropyltoluene	17.642	119	118598	0.371	ppbv	95
70) n-Butylbenzene	18.539	91	125982	0.382	ppbv	97
71) 2-Chlorotoluene	15.439	91	88653	0.392	ppbv	100
72) 4-Ethyltoluene	15.831	105	89947	0.376	ppbv	97
73) 1,3,5-Trimethylbenzene	15.989	105	82415	0.378	ppbv	93
74) 1,2,4-Trimethylbenzene	16.748	105	97184	0.410	ppbv #	91
75) 1,3-Dichlorobenzene	16.986	146	64606	0.427	ppbv	96
76) 1,4-Dichlorobenzene	17.130	146	55273	0.368	ppbv	84
77) 1,2-Dichlorobenzene	17.805	146	61600	0.411	ppbv	91
78) Hexachloro-1,3-Butadiene	23.368	225	71765m	0.519	ppbv	
79) Naphthalene	22.191	128	63353m	0.349	ppbv	
80) Naphthalene,2-methyl-	24.963	142	10661	0.219	ppbv #	94
81) 1,2,4-Trichlorobenzene	21.911	180	47096	0.379	ppbv	94

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

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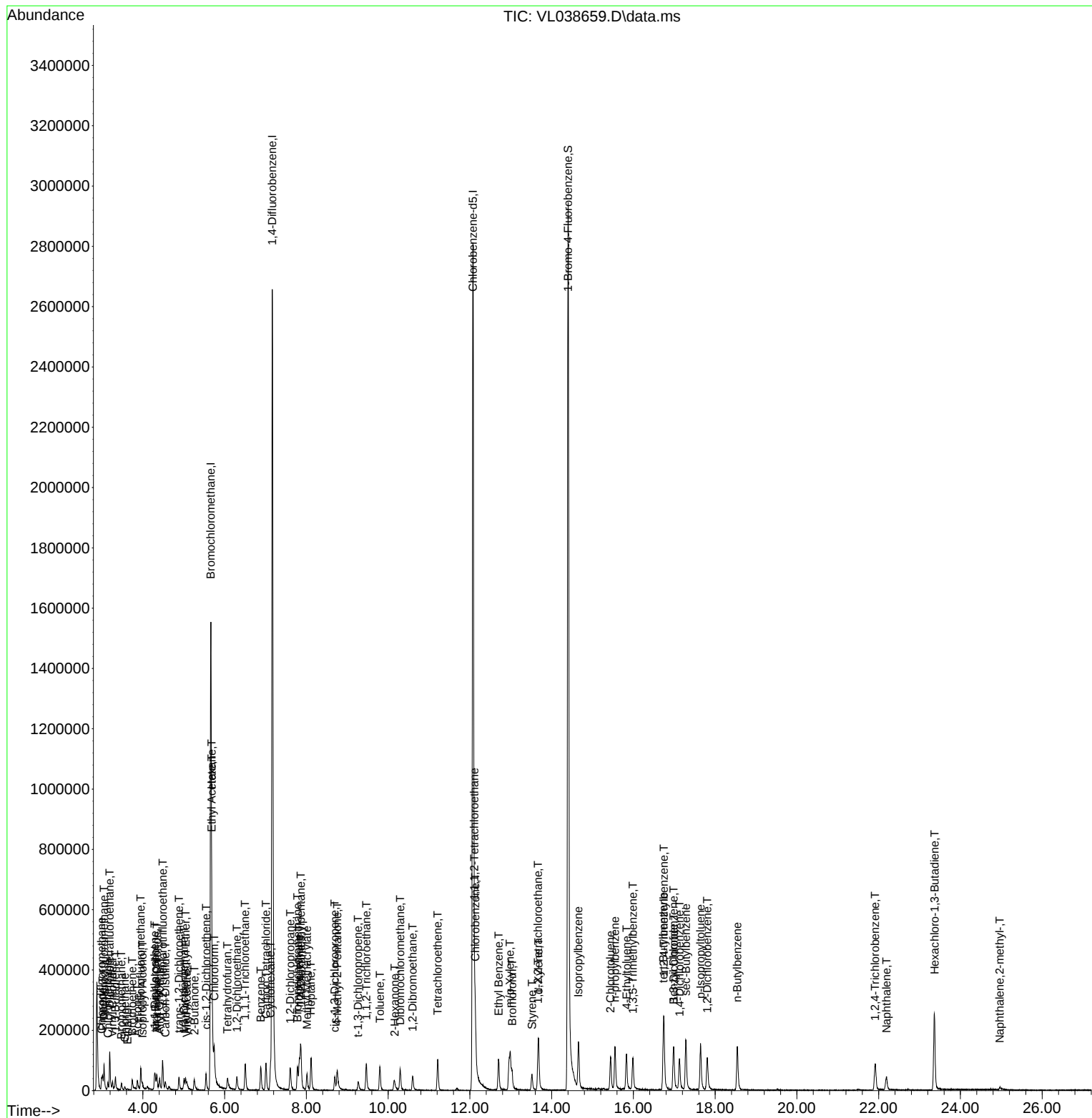
Quant Time: Mar 22 03:51:01 2022

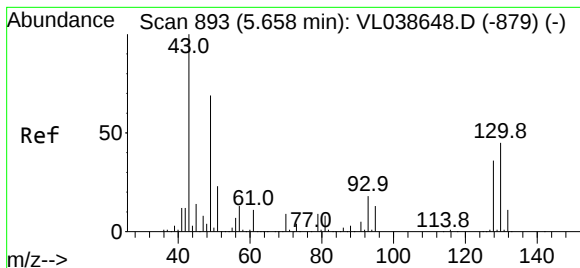
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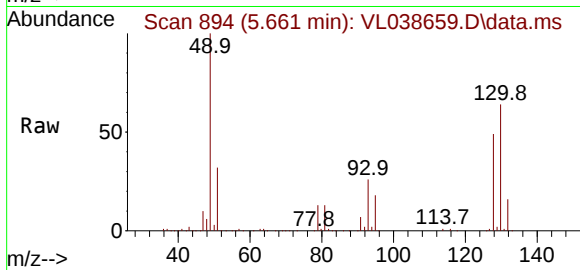
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. 0.003 min
Lab File: VL038659.D
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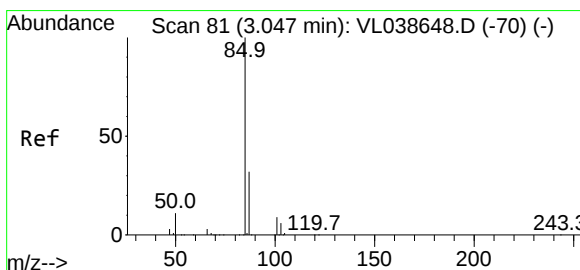
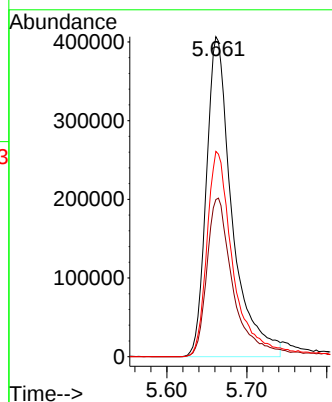
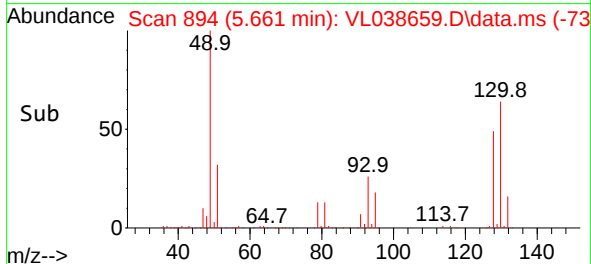
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 49 Resp: 910542
Ion Ratio Lower Upper
49 100
128 53.2 26.2 78.6
130 68.9 33.7 101.1

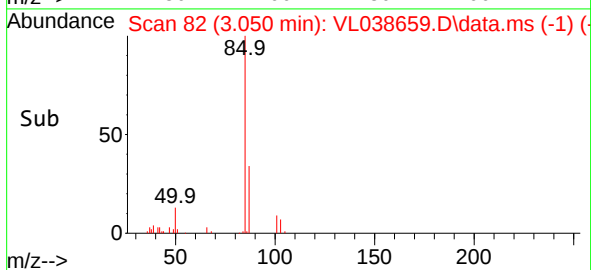
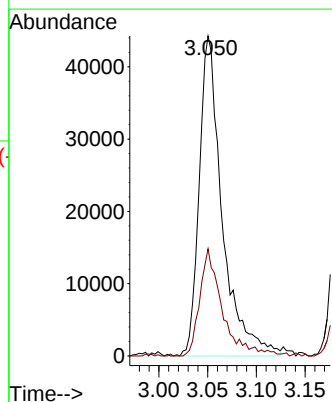
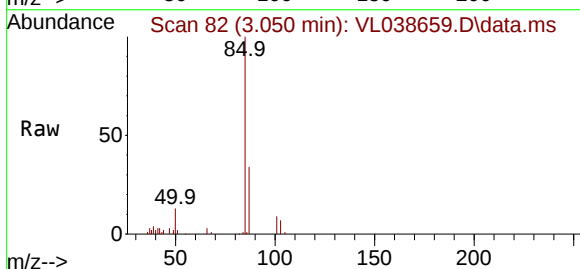
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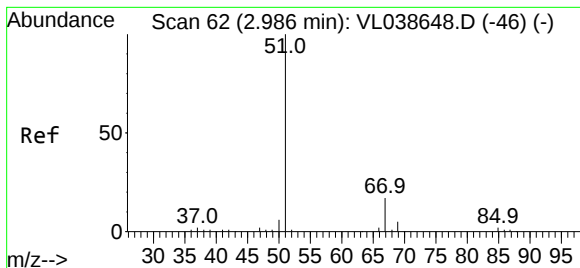
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#2
Dichlorodifluoromethane
Concen: 0.593 ppbv
RT: 3.050 min Scan# 82
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 85 Resp: 72618
Ion Ratio Lower Upper
85 100
87 33.5 26.0 39.0





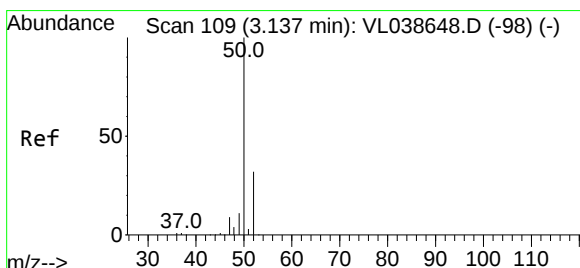
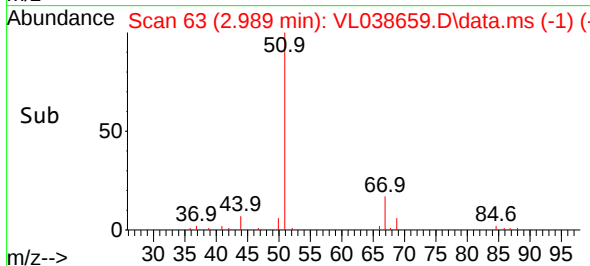
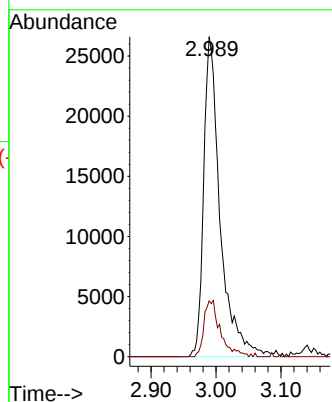
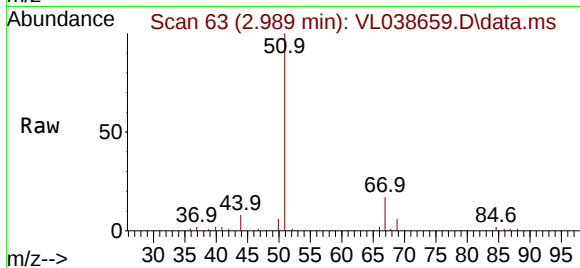
#3
Chlorodifluoromethane
Concen: 0.492 ppbv
RT: 2.989 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 51 Resp: 47290
Ion Ratio Lower Upper
51 100
67 17.5 14.1 21.1

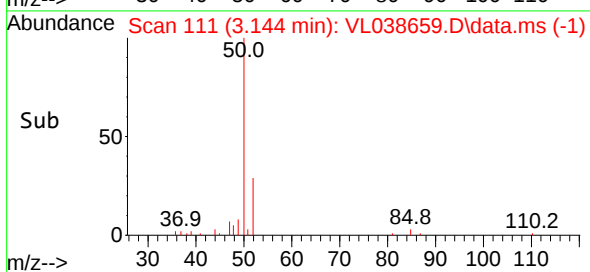
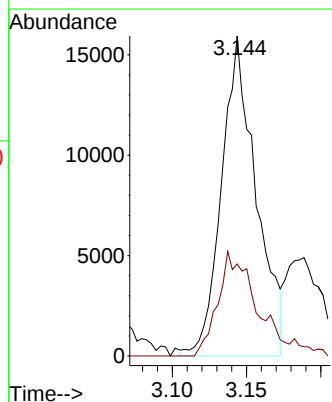
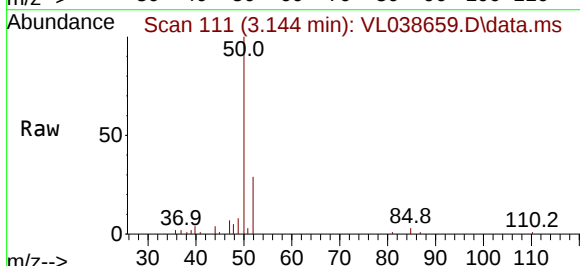
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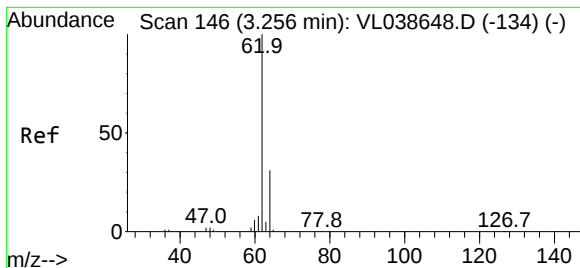
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#4
Chloromethane
Concen: 0.489 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

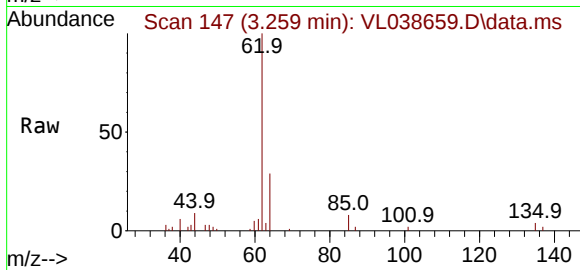
Tgt Ion: 50 Resp: 25839
Ion Ratio Lower Upper
50 100
52 28.2 25.5 38.3





#5
 Vinyl Chloride
 Concen: 0.436 ppbv
 RT: 3.259 min Scan# 146
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

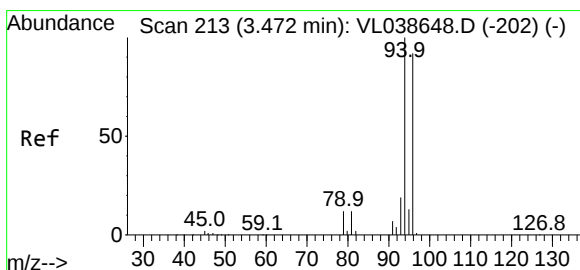
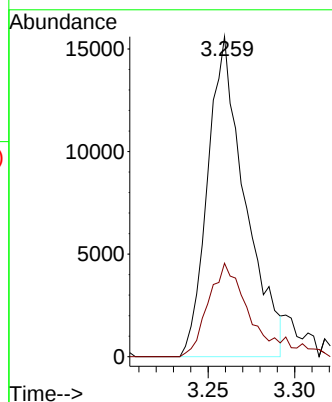
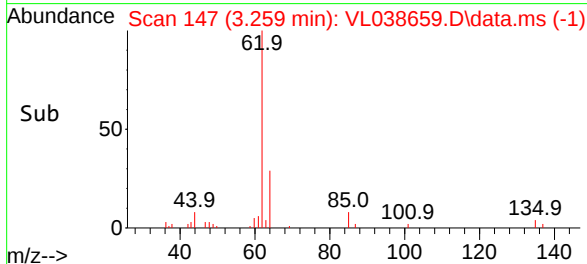
Instrument :
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Tgt Ion: 62 Resp: 2340
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.0 37.4

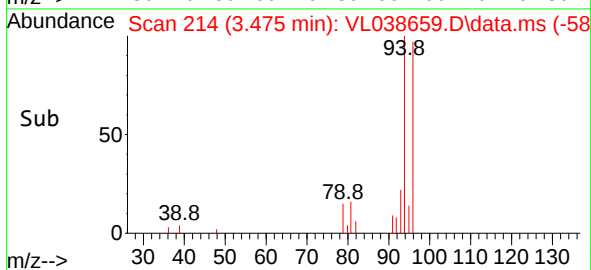
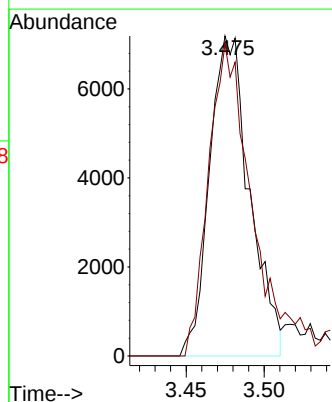
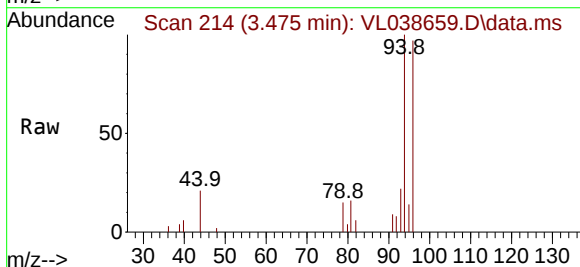
Manual Integrations
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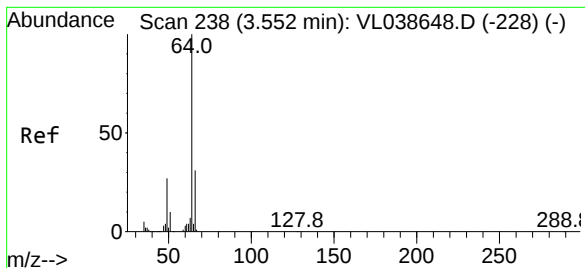
Reviewed By :Semsettin Yesilyurt 03/22/2022
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#6
 Bromomethane
 Concen: 0.449 ppbv
 RT: 3.475 min Scan# 214
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

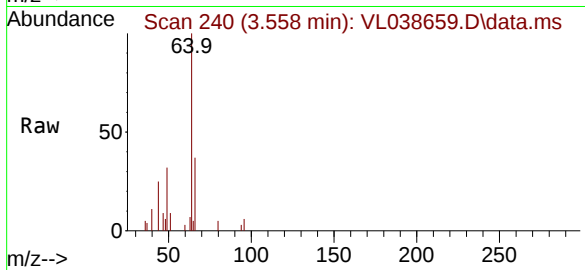
Tgt Ion: 94 Resp: 12851
 Ion Ratio Lower Upper
 94 100
 96 97.5 73.3 109.9





#7
Chloroethane
Concen: 0.452 ppbv
RT: 3.558 min Scan# 240
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

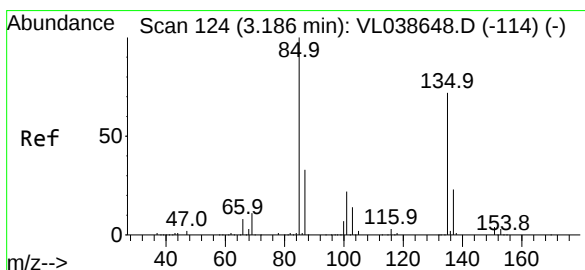
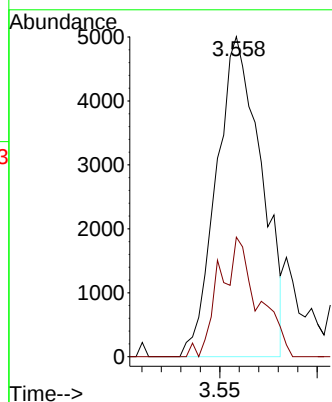
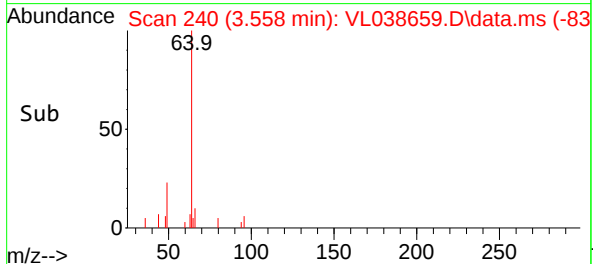
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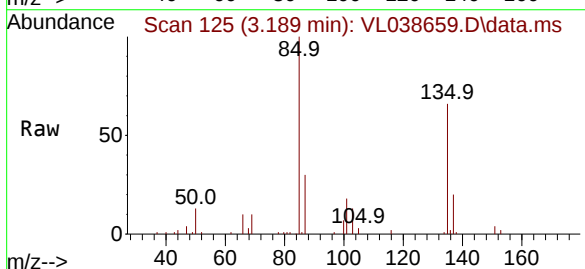
Tgt Ion: 64 Resp: 8020
Ion Ratio Lower Upper
64 100
66 35.6 25.0 37.6

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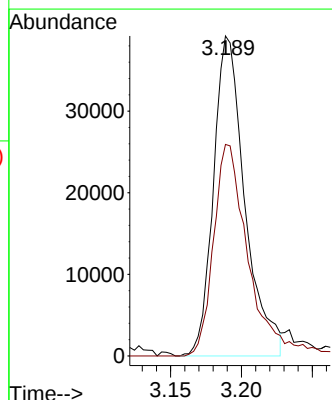
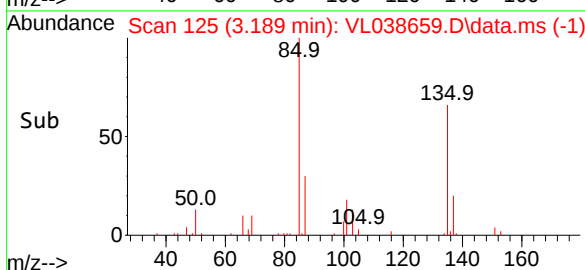
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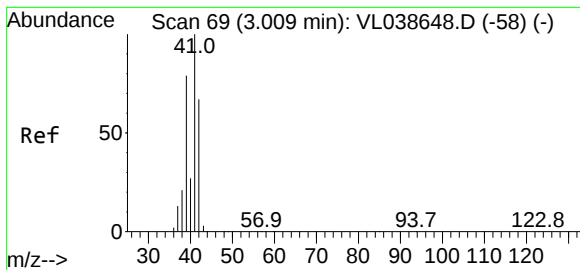


#8
Dichlorotetrafluoroethane
Concen: 0.495 ppbv
RT: 3.189 min Scan# 125
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48



Tgt Ion: 85 Resp: 60523
Ion Ratio Lower Upper
85 100
135 75.1 57.8 86.6





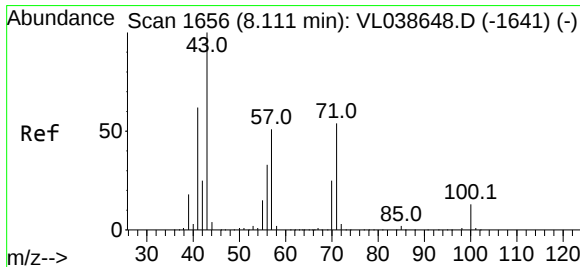
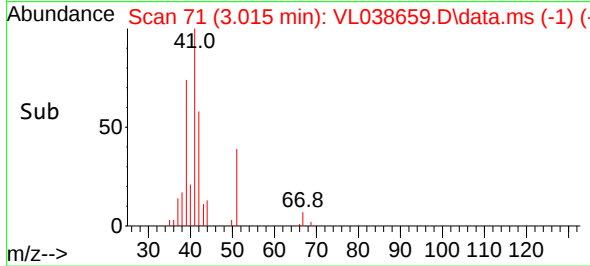
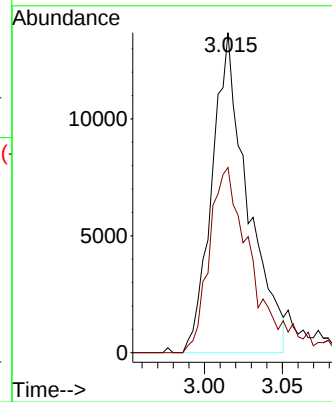
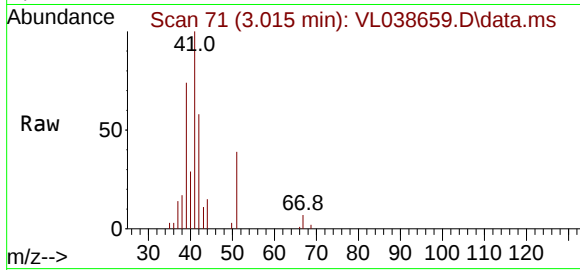
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Propene
Concen: 0.469 ppbv
RT: 3.015 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL038659.D
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Instrument :
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ClientSampleId :
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Tgt Ion: 41 Resp: 21784
Ion Ratio Lower Upper
41 100
42 71.4 56.2 84.4

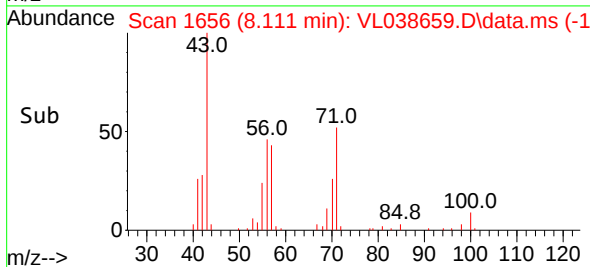
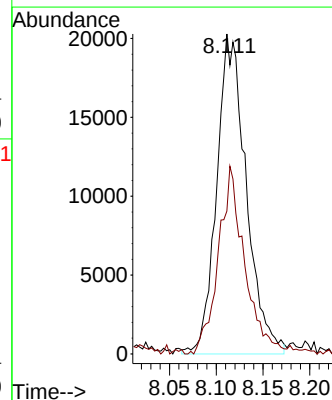
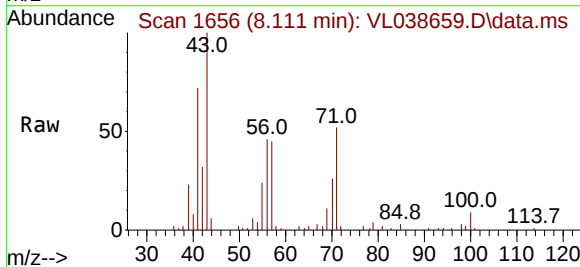
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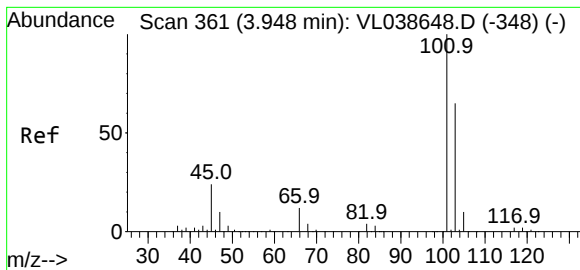
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#10
Heptane
Concen: 0.402 ppbv m
RT: 8.111 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

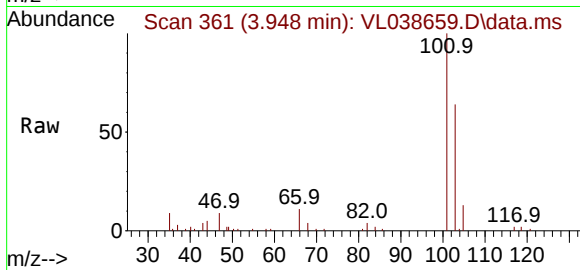
Tgt Ion: 43 Resp: 44576
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#





#11
 Trichlorofluoromethane
 Concen: 0.518 ppbv m
 RT: 3.948 min Scan# 361
 Delta R.T. -0.000 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

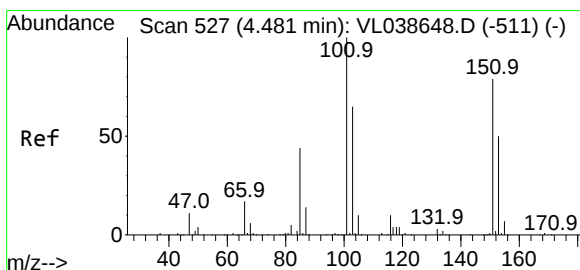
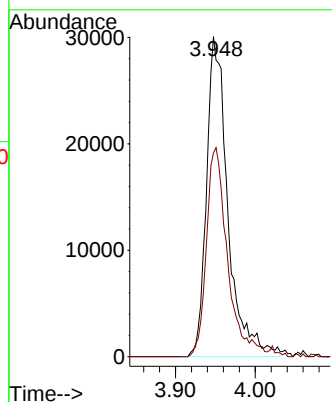
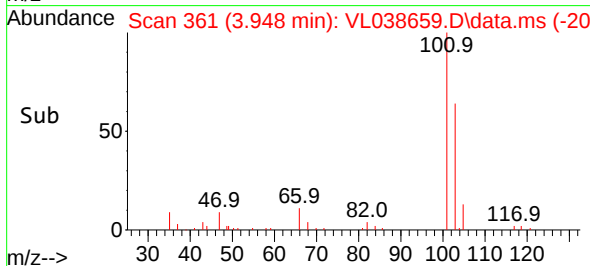
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion:101 Resp: 5600
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.9 77.9

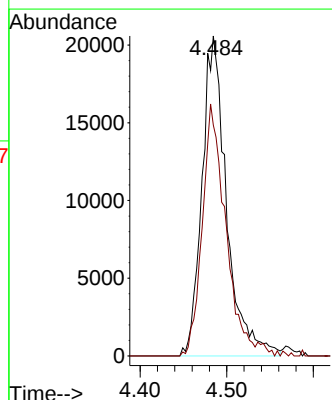
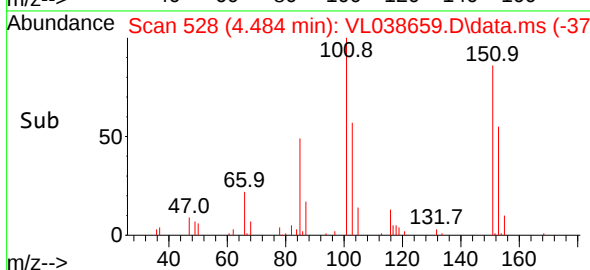
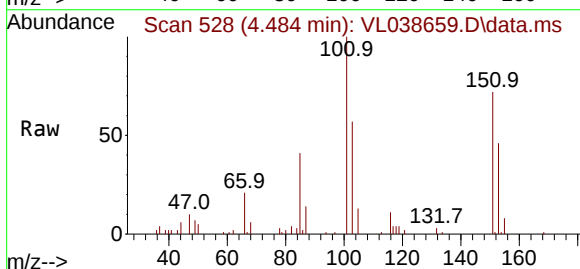
Manual Integrations
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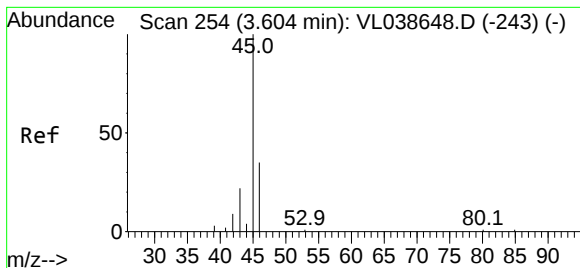
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.488 ppbv
 RT: 4.484 min Scan# 528
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

Tgt Ion:101 Resp: 40578
 Ion Ratio Lower Upper
 101 100
 151 76.1 62.9 94.3





#13

Ethanol

Concen: 0.610 ppbv

RT: 3.623 min Scan# 20

Delta R.T. 0.019 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL

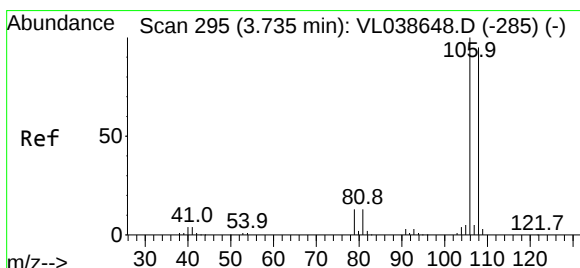
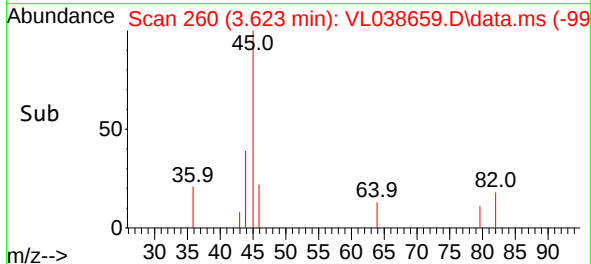
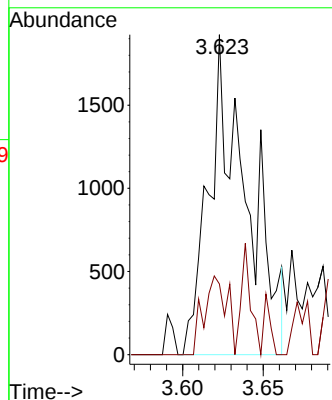
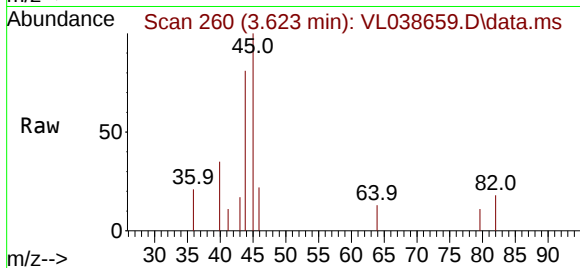
Tgt Ion: 45 Resp: 312

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.1	60.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#14

Bromoethene

Concen: 0.460 ppbv

RT: 3.742 min Scan# 297

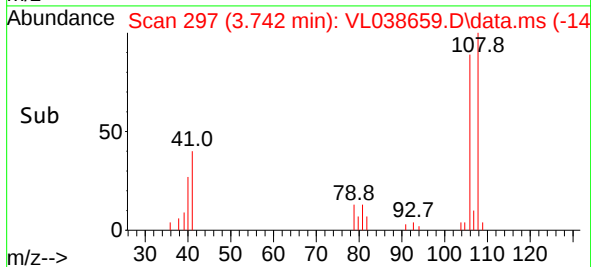
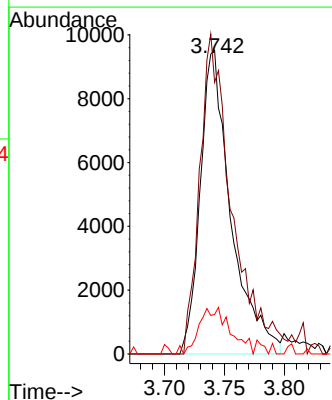
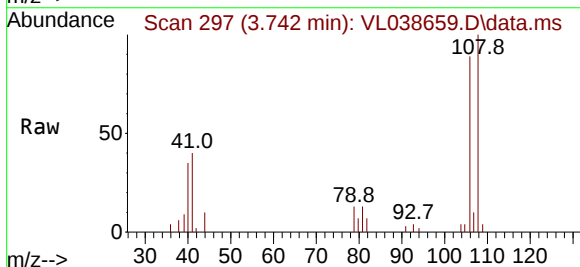
Delta R.T. 0.006 min

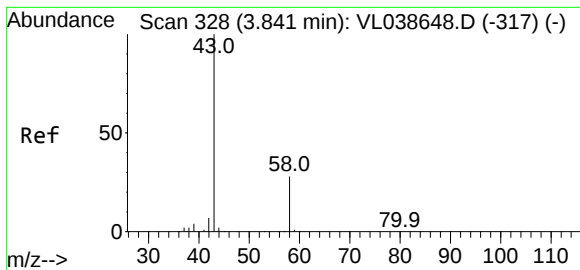
Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion:108 Resp: 17008

Ion	Ratio	Lower	Upper
108	100		
106	114.3	88.3	132.5
79	17.5	11.2	16.8





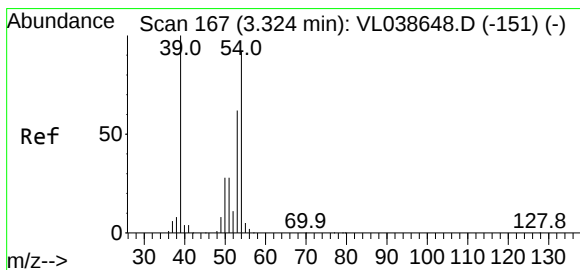
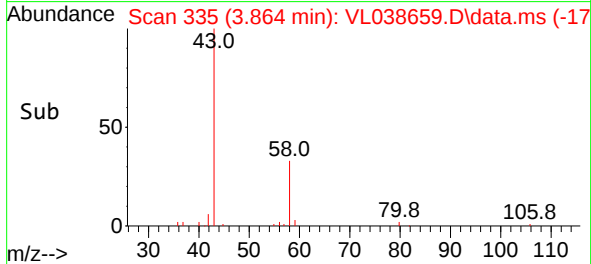
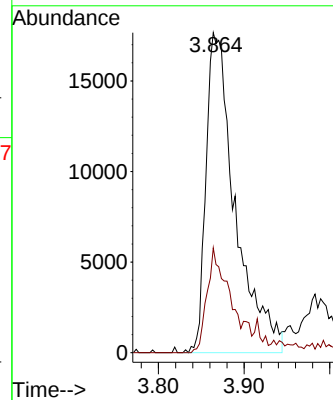
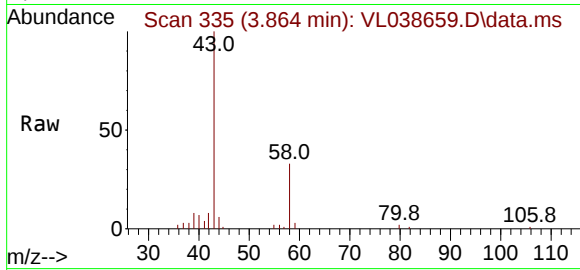
#15
Acetone
Concen: 0.533 ppbv m
RT: 3.864 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 43 Resp: 41889
Ion Ratio Lower Upper
43 100
58 29.4 23.3 34.9

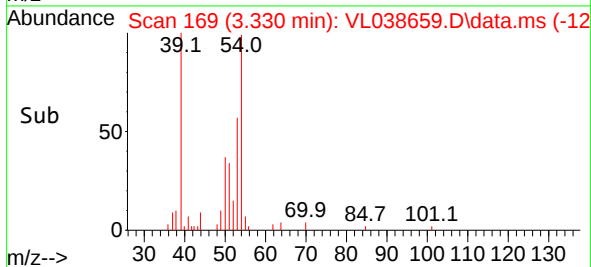
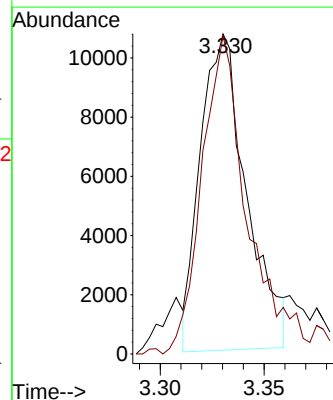
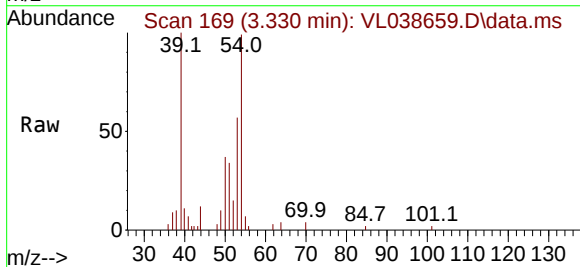
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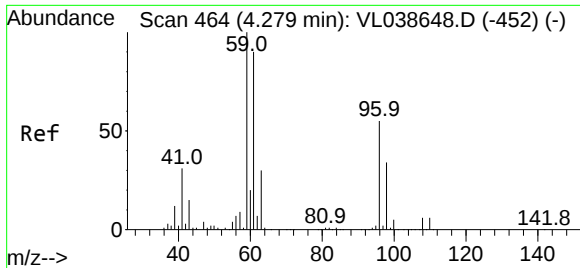
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#16
1,3-Butadiene
Concen: 0.369 ppbv
RT: 3.330 min Scan# 169
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 39 Resp: 16449
Ion Ratio Lower Upper
39 100
54 106.2 69.1 103.7#





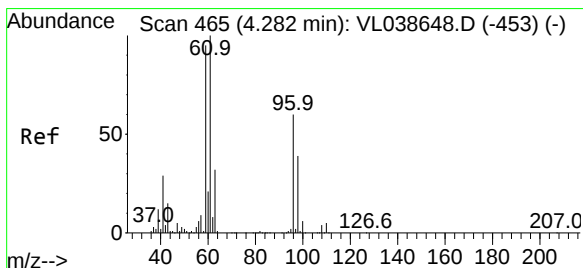
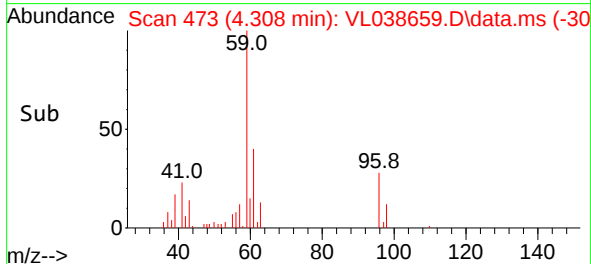
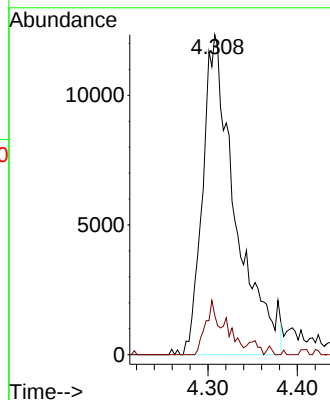
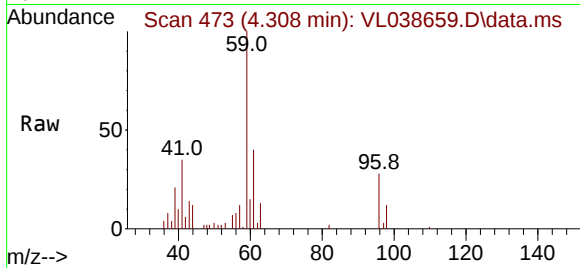
#17
tert-Butyl alcohol
Concen: 0.457 ppbv
RT: 4.308 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 59 Resp: 31389
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2

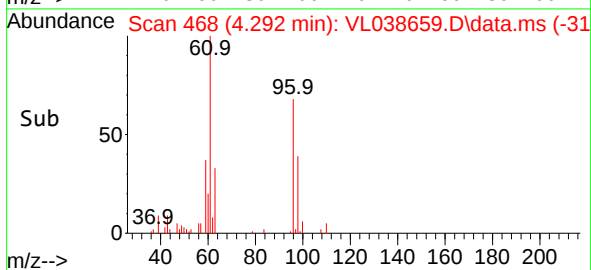
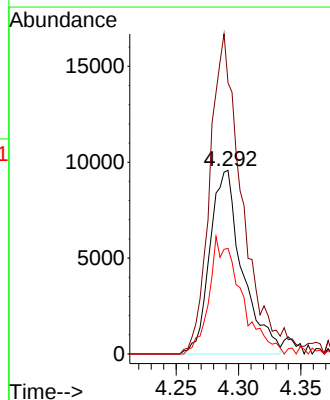
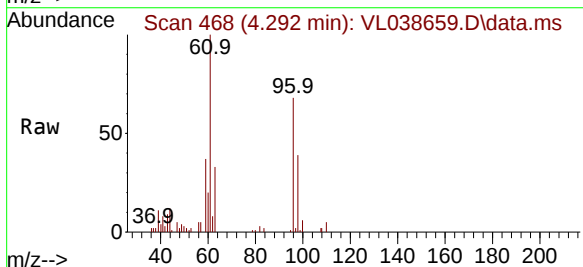
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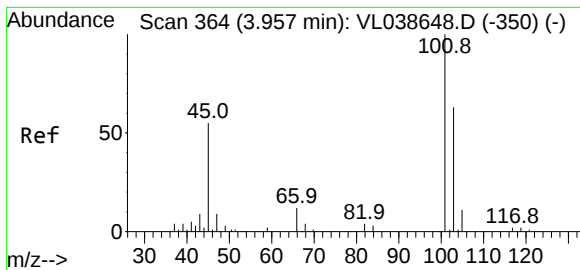
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#18
1,1-Dichloroethene
Concen: 0.463 ppbv
RT: 4.292 min Scan# 468
Delta R.T. 0.010 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

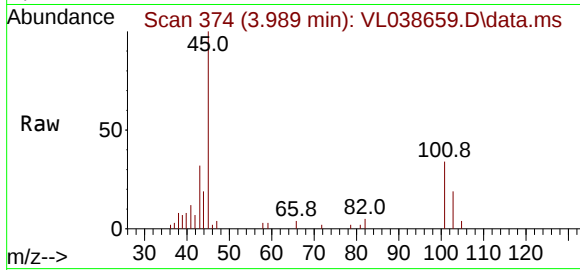
Tgt Ion: 96 Resp: 17295
Ion Ratio Lower Upper
96 100
61 147.7 132.4 198.6
98 57.5 51.6 77.4





#19
Isopropyl Alcohol
Concen: 0.459 ppbv m
RT: 3.989 min Scan# 31
Delta R.T. 0.032 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

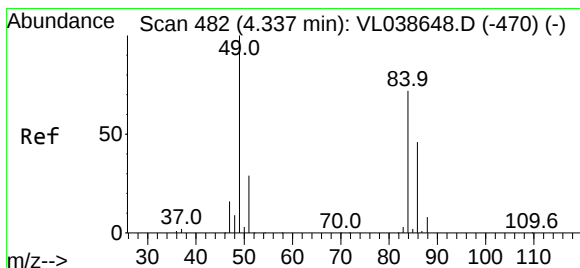
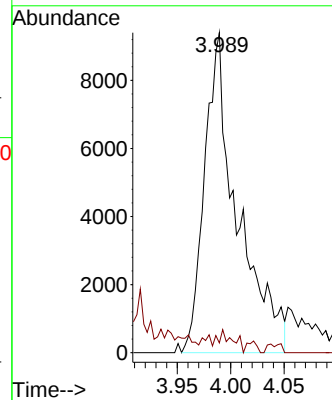
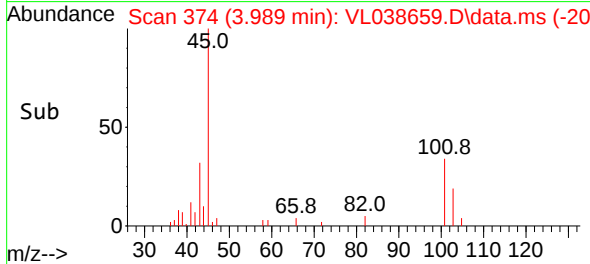
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 45 Resp: 2000
Ion Ratio Lower Upper
45 100
58 5.7 2.3 3.5

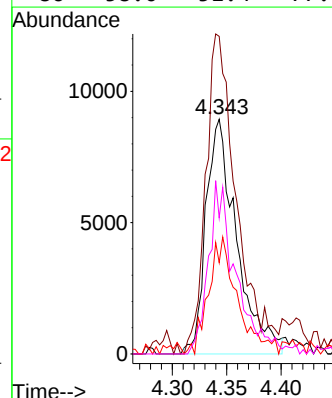
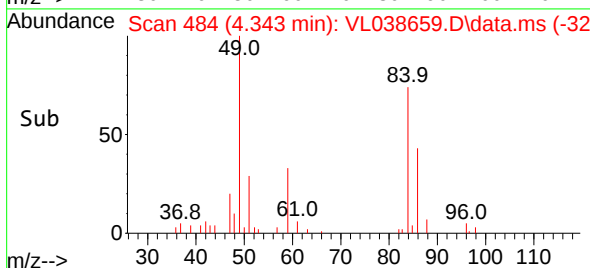
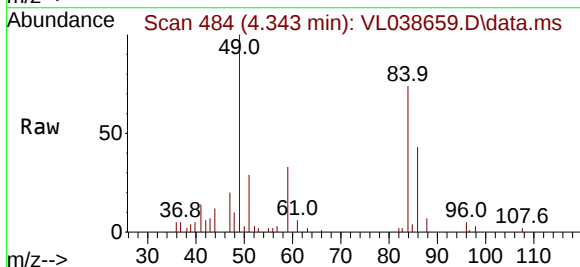
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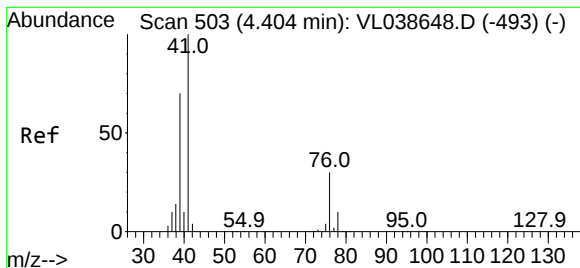
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#20
Methylene Chloride
Concen: 0.529 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

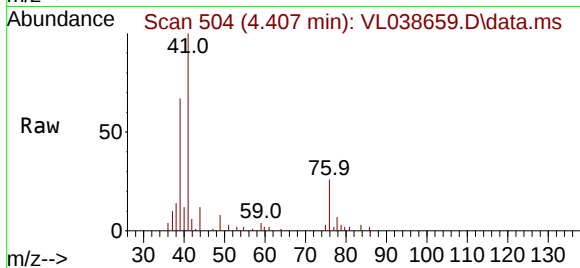
Tgt Ion: 84 Resp: 17509
Ion Ratio Lower Upper
84 100
49 135.3 111.2 166.8
51 38.9 32.8 49.2
86 58.0 51.4 77.0





#21
 Allyl Chloride
 Concen: 0.412 ppbv
 RT: 4.407 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

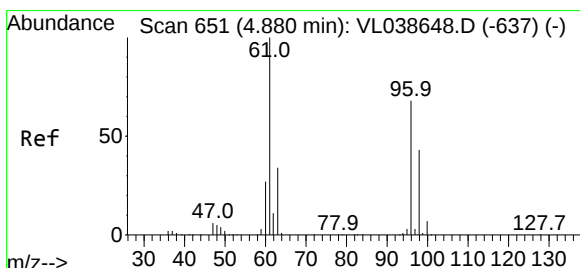
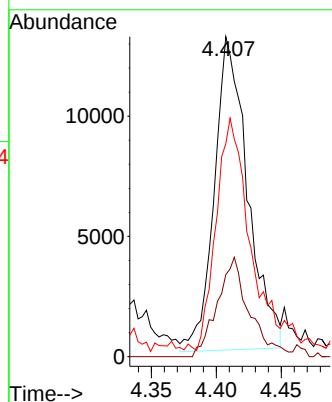
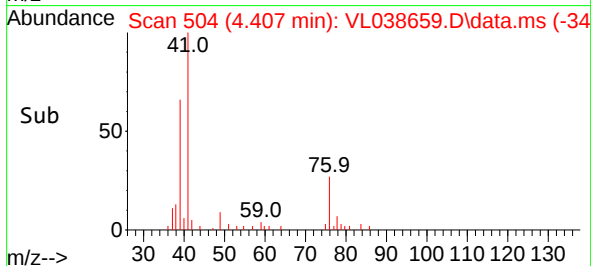
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion: 41 Resp: 2327
 Ion Ratio Lower Upper
 41 100
 76 31.5 25.0 37.6
 39 89.0 56.6 85.0

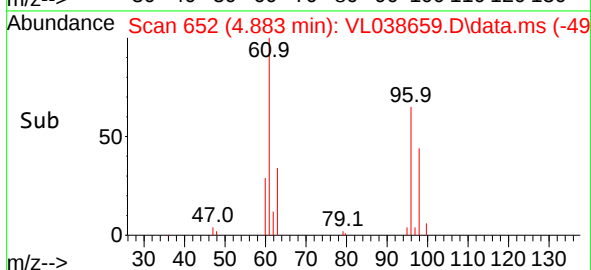
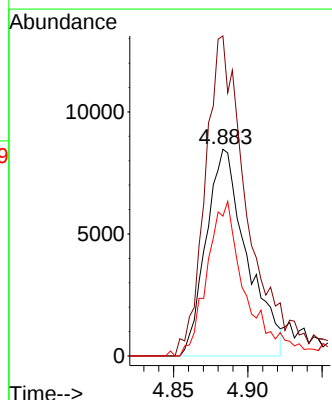
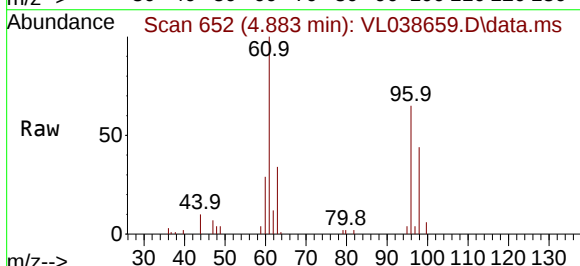
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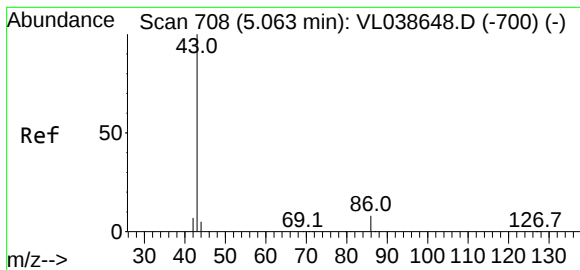
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#22
 trans-1,2-Dichloroethene
 Concen: 0.417 ppbv
 RT: 4.883 min Scan# 652
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

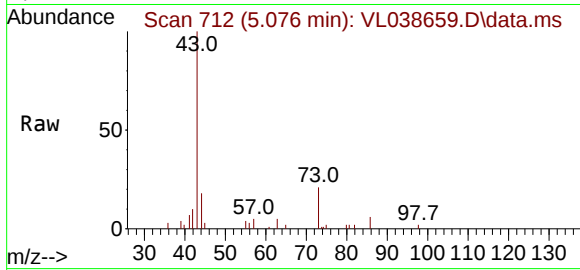
Tgt Ion: 96 Resp: 16162
 Ion Ratio Lower Upper
 96 100
 61 146.4 118.3 177.5
 98 67.6 51.3 76.9





#23
 Vinyl Acetate
 Concen: 0.365 ppbv
 RT: 5.076 min Scan# 712
 Delta R.T. 0.013 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

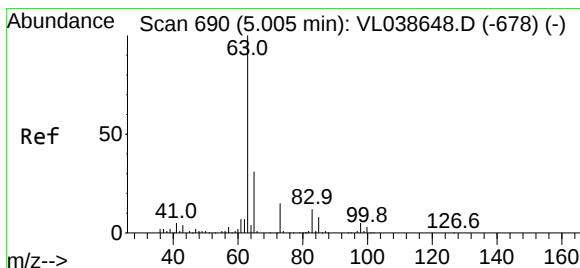
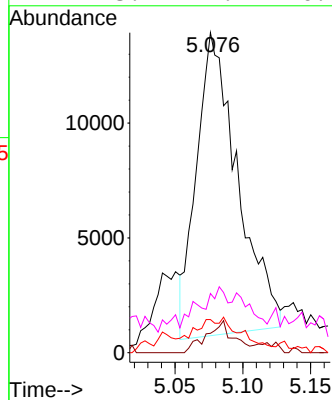
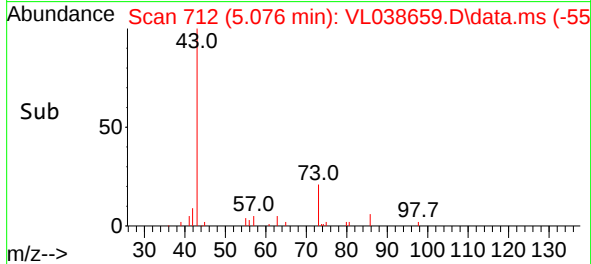
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion: 43 Resp: 2775
 Ion Ratio Lower Upper
 43 100
 86 7.7 5.6 8.4
 42 9.3 6.8 10.2
 44 13.7 4.2 6.2#

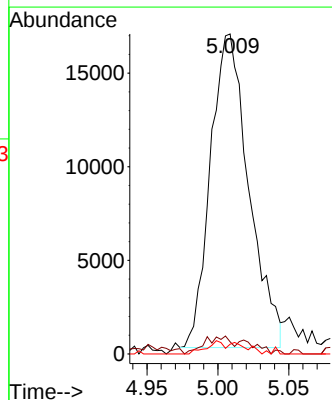
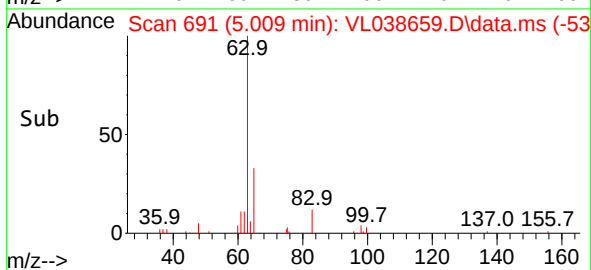
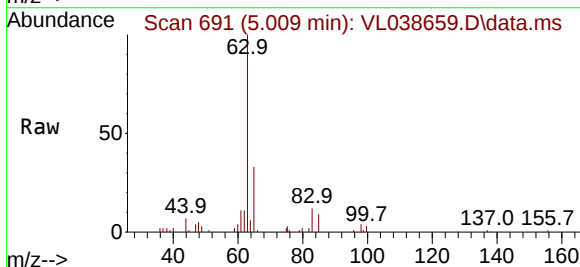
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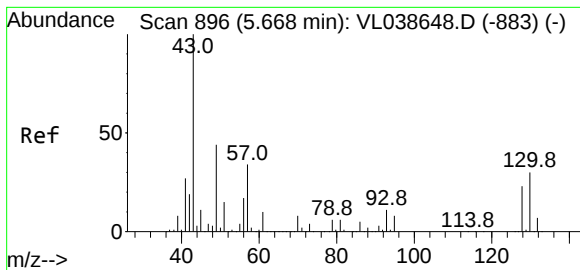
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#24
 1,1-Dichloroethane
 Concen: 0.422 ppbv
 RT: 5.009 min Scan# 691
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

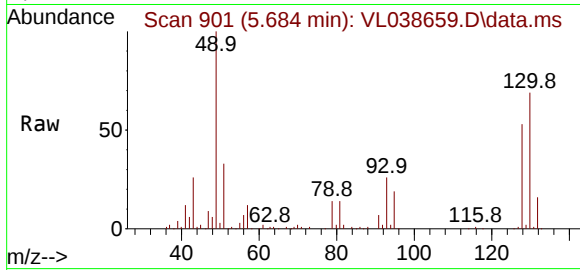
Tgt Ion: 63 Resp: 31582
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.5 7.5
 100 2.9 1.4 4.2





#25
Ethyl Acetate
Concen: 0.429 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.016 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

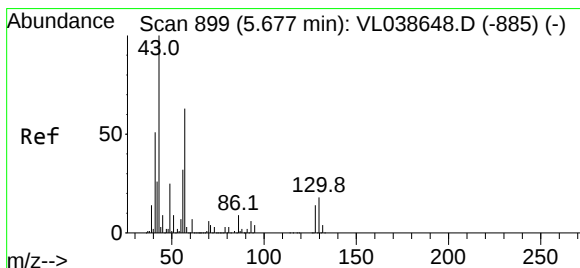
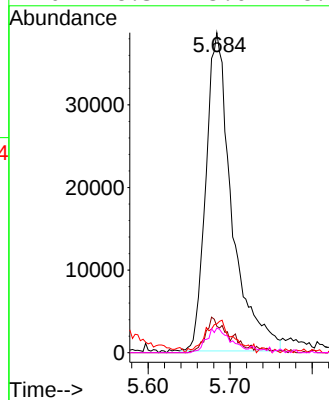
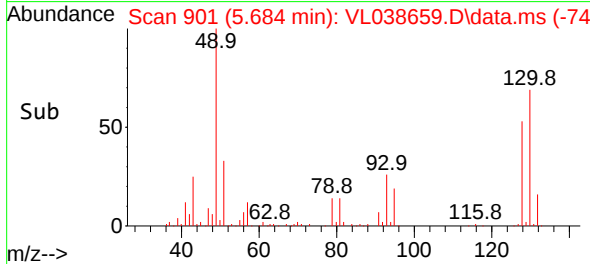
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 43 Resp: 84874
Ion Ratio Lower Upper
43 100
45 11.3 8.2 12.4
61 11.8 8.3 12.5
70 8.3 5.6 8.4

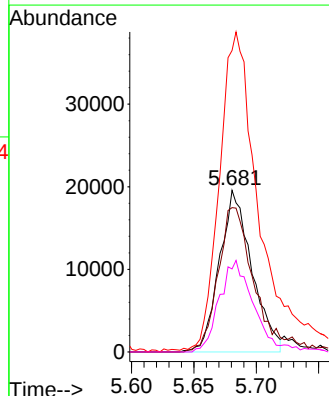
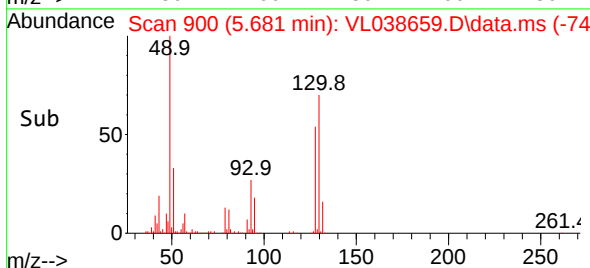
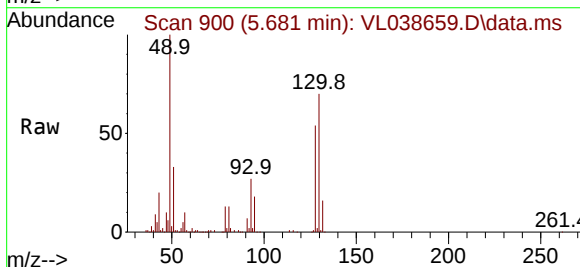
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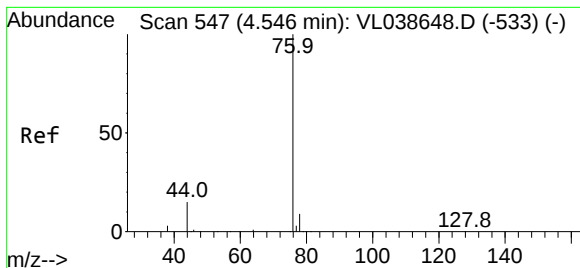
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#26
Hexane
Concen: 0.400 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

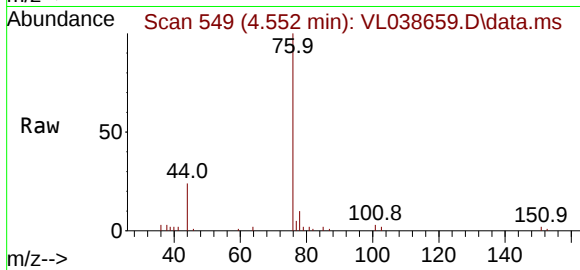
Tgt Ion: 57 Resp: 35440
Ion Ratio Lower Upper
57 100
41 103.6 67.0 100.4#
43 257.8 184.2 276.2
56 60.9 42.6 64.0





#27
Carbon Disulfide
Concen: 0.420 ppbv
RT: 4.552 min Scan# 547
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

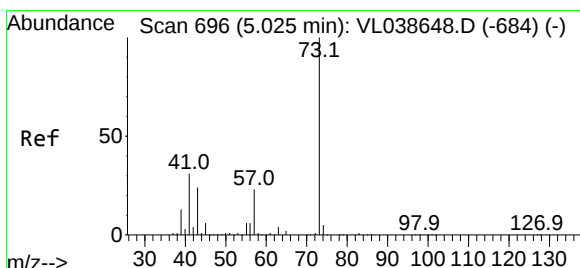
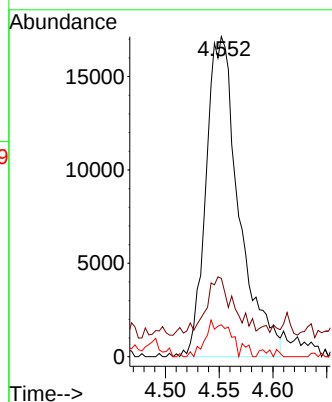
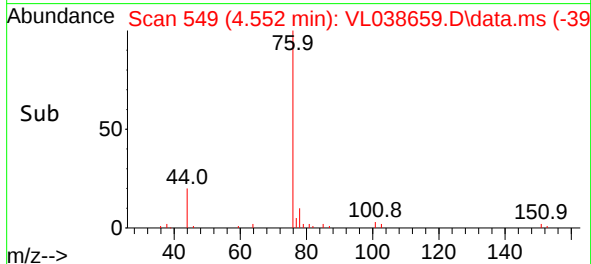
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 76 Resp: 36472
Ion Ratio Lower Upper
76 100
44 17.5 12.4 18.6
78 10.0 7.8 11.8

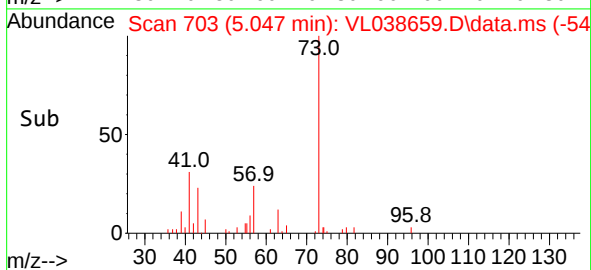
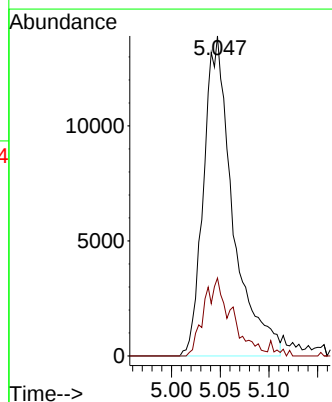
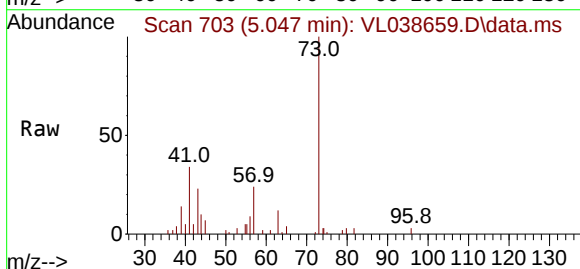
Manual Integrations
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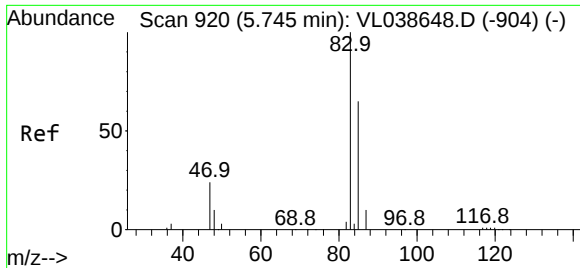
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#28
Methyl tert-Butyl Ether
Concen: 0.441 ppbv
RT: 5.047 min Scan# 703
Delta R.T. 0.022 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 73 Resp: 29081
Ion Ratio Lower Upper
73 100
57 24.7 19.2 28.8





#29

Chloroform

Concen: 0.445 ppbv

RT: 5.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL

Tgt Ion: 83 Resp: 63148

Ion Ratio Lower Upper

83 100

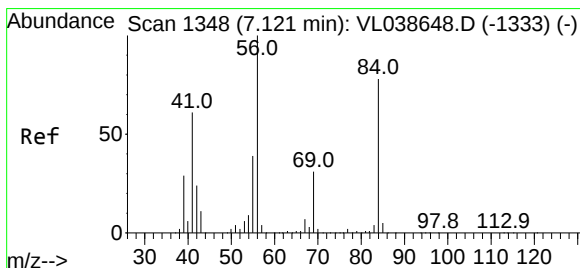
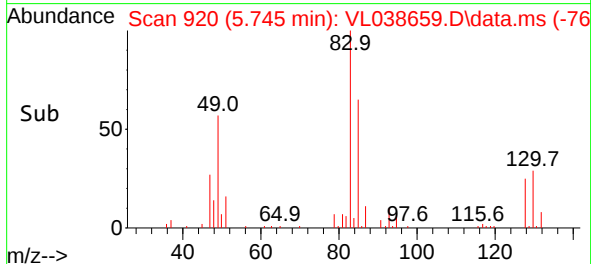
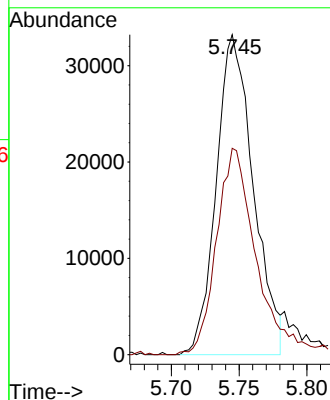
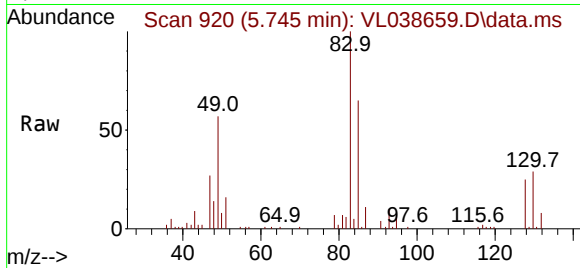
85 63.7 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#30

Cyclohexane

Concen: 0.405 ppbv

RT: 7.124 min Scan# 1349

Delta R.T. 0.003 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

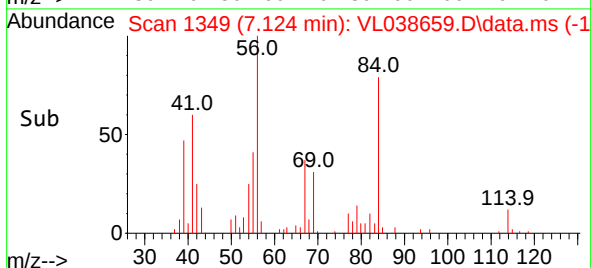
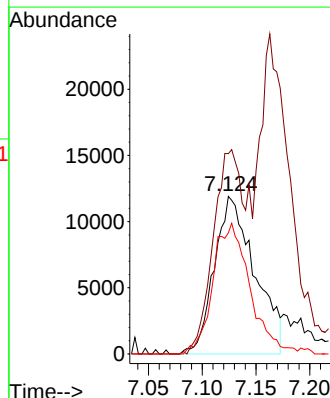
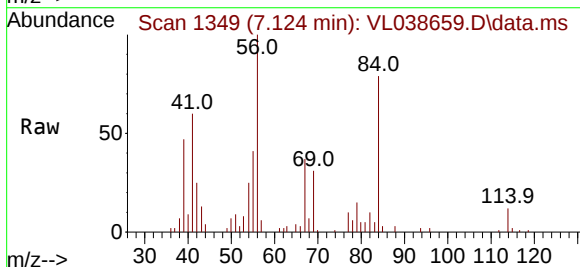
Tgt Ion: 84 Resp: 31168

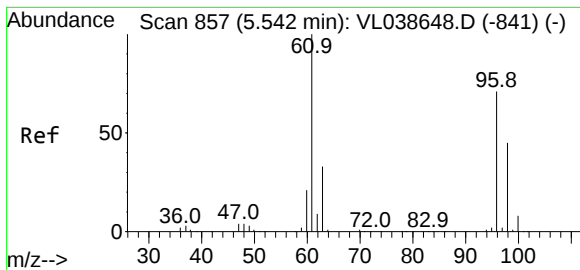
Ion Ratio Lower Upper

84 100

56 108.1 108.2 162.4#

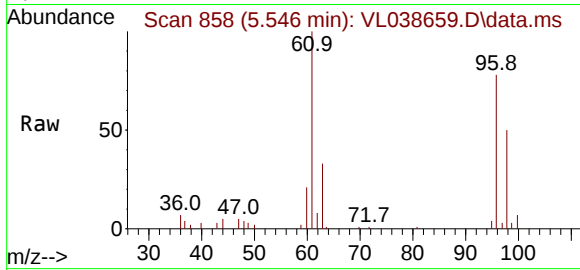
41 76.6 61.8 92.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.384 ppbv
 RT: 5.546 min Scan# 857
 Delta R.T. 0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

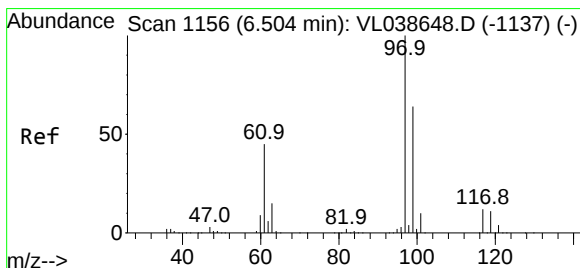
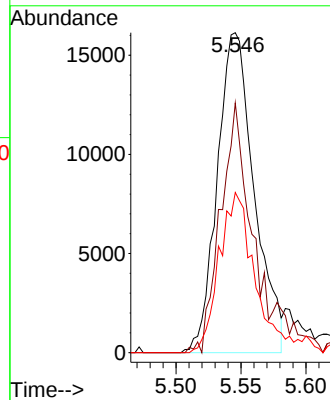
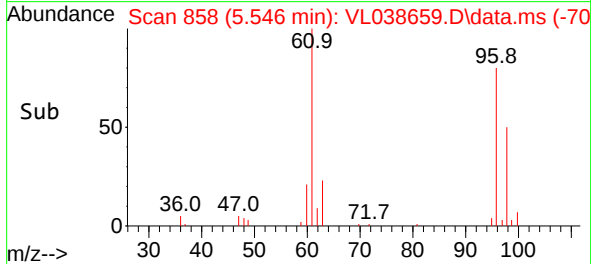
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL



Tgt Ion: 61 Resp: 3194
 Ion Ratio Lower Upper
 61 100
 96 78.0 56.6 84.8
 98 52.6 36.3 54.5

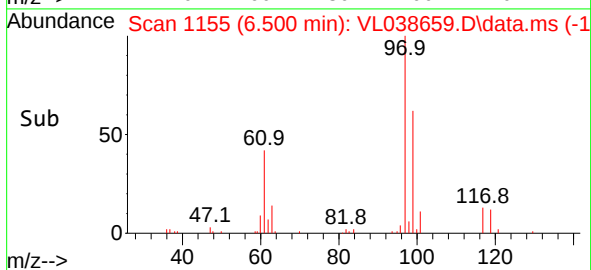
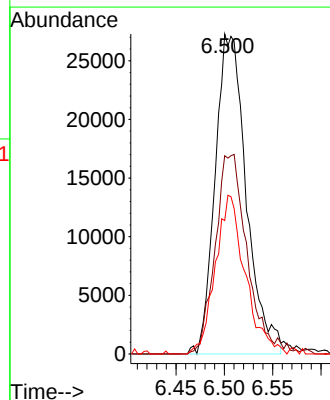
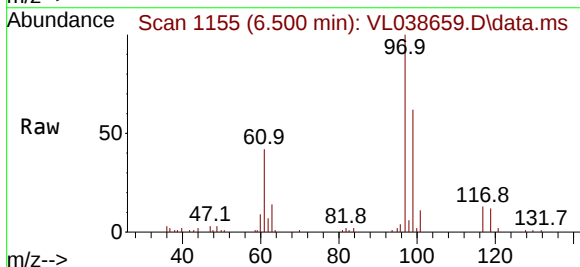
Manual Integrations
 APPROVED

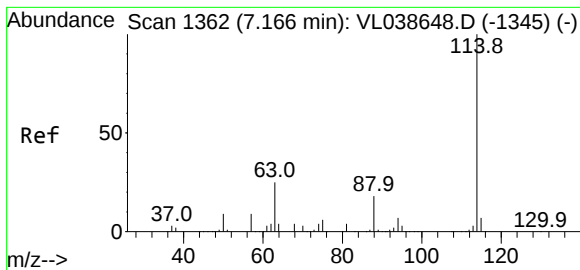
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.446 ppbv m
 RT: 6.500 min Scan# 1155
 Delta R.T. -0.003 min
 Lab File: VL038659.D
 Acq: 21 Mar 2022 20:48

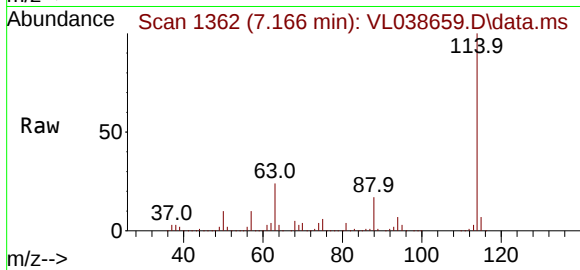
Tgt Ion: 97 Resp: 61028
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.8 77.8
 61 48.2 36.7 55.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

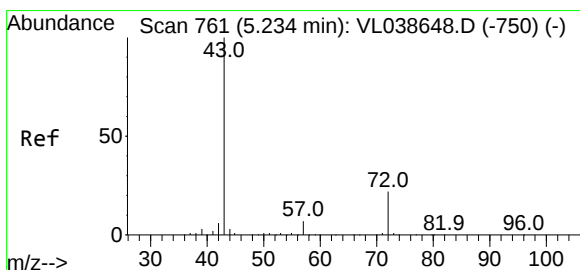
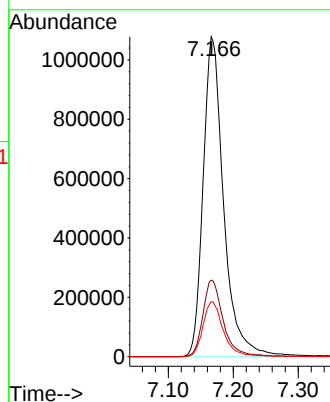
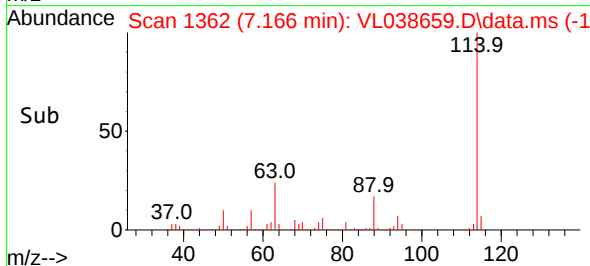
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



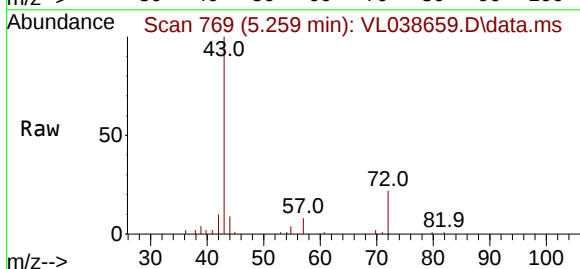
Tgt Ion:114 Resp: 2363628
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.0
88 17.4 13.9 20.9

Manual Integrations
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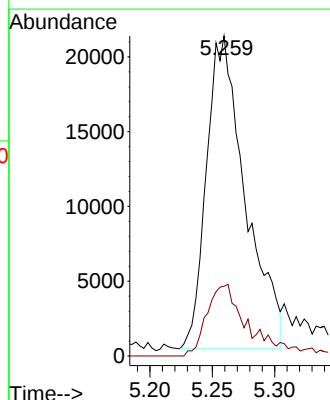
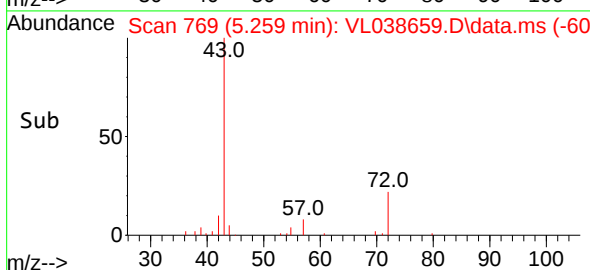
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

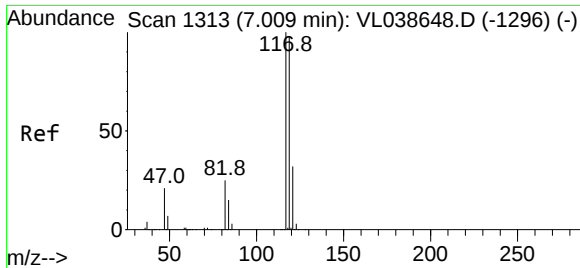


#34
2-Butanone
Concen: 0.486 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.026 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48



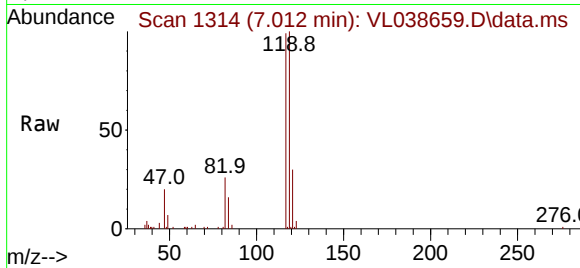
Tgt Ion: 43 Resp: 45446
Ion Ratio Lower Upper
43 100
72 25.4 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.430 ppbv
RT: 7.012 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

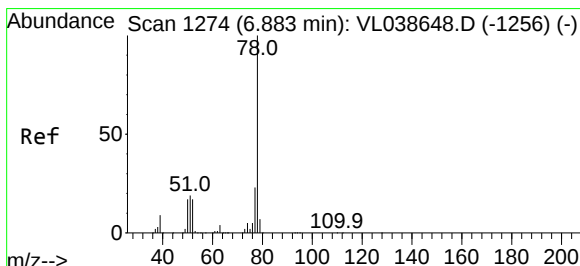
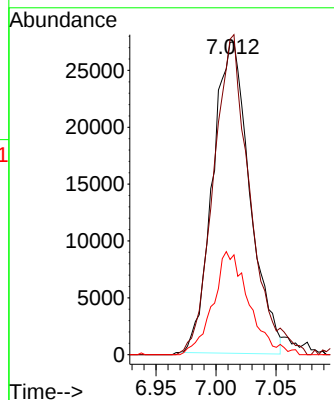
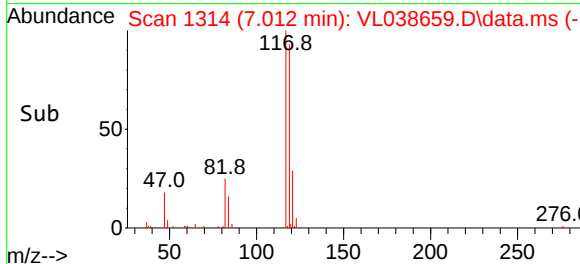
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 117 Resp: 58909
Ion Ratio Lower Upper
117 100
119 101.6 78.1 117.1
121 30.4 25.8 38.6

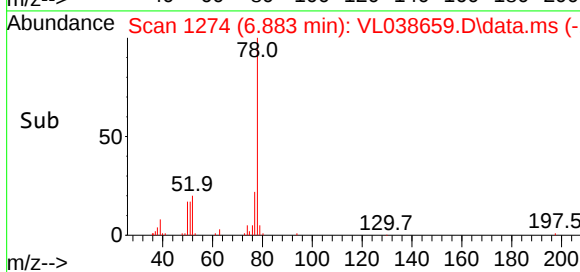
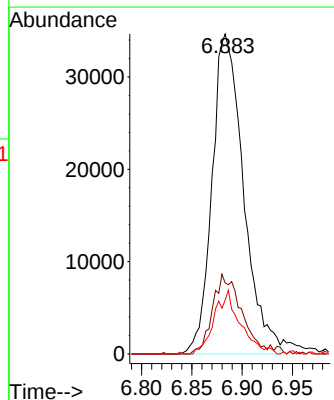
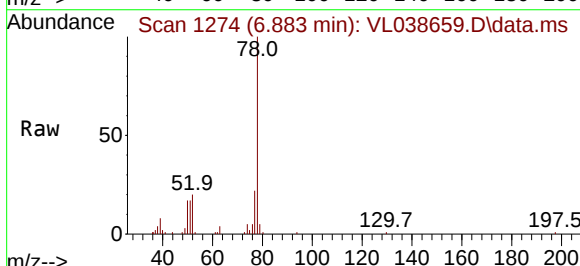
Manual Integrations
APPROVED

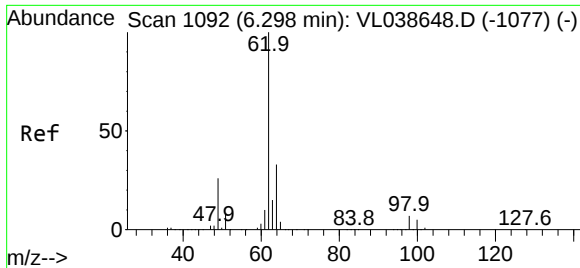
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#36
Benzene
Concen: 0.412 ppbv
RT: 6.883 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

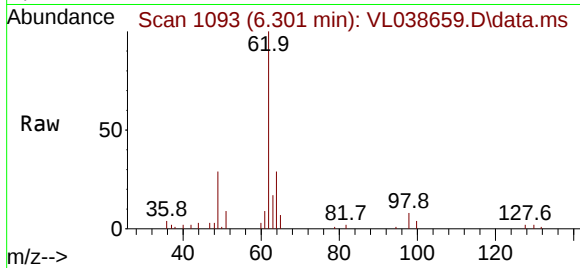
Tgt Ion: 78 Resp: 75071
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 16.8 13.6 20.4





#37
1,2-Dichloroethane
Concen: 0.438 ppbv
RT: 6.301 min Scan# 1093
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

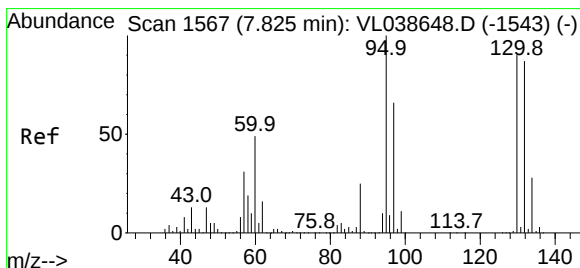
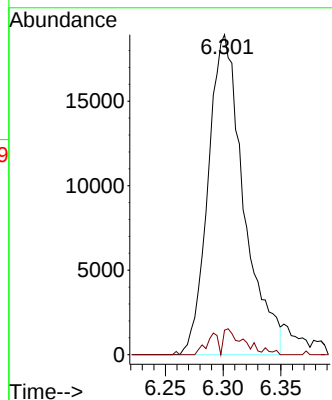
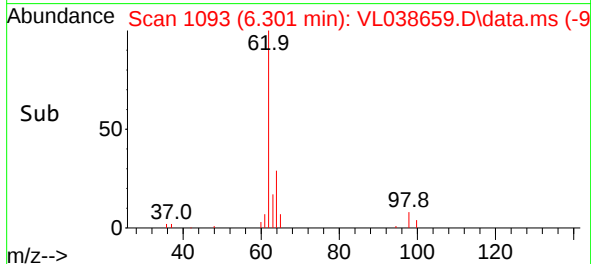
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 62 Resp: 4063
Ion Ratio Lower Upper
62 100
98 7.0 5.6 8.4

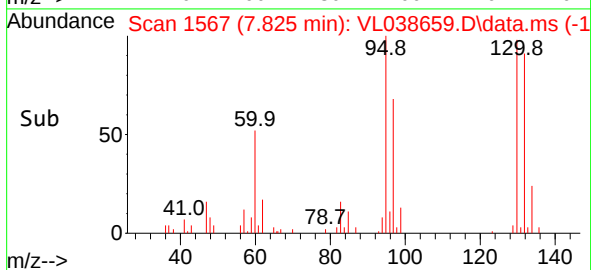
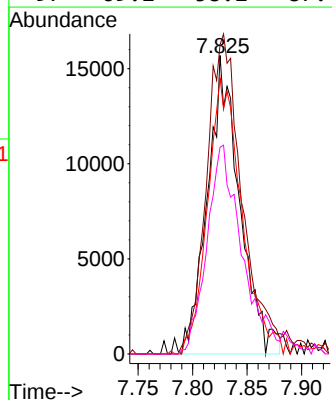
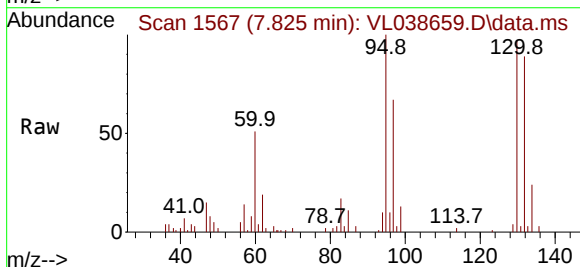
Manual Integrations
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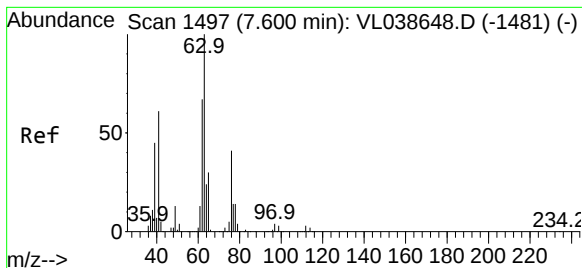
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#38
Trichloroethene
Concen: 0.421 ppbv m
RT: 7.825 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:130 Resp: 32166
Ion Ratio Lower Upper
130 100
95 103.6 88.9 133.3
132 92.4 77.4 116.0
97 69.2 58.2 87.4





#39

1,2-Dichloropropane

Concen: 0.476 ppbv m

RT: 7.610 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL038659.D

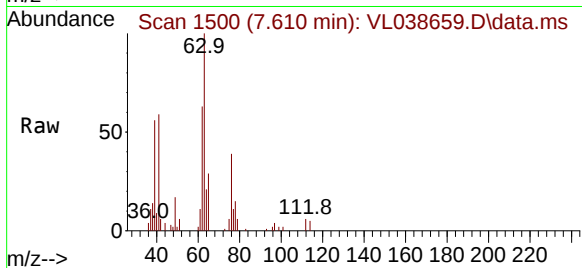
Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL



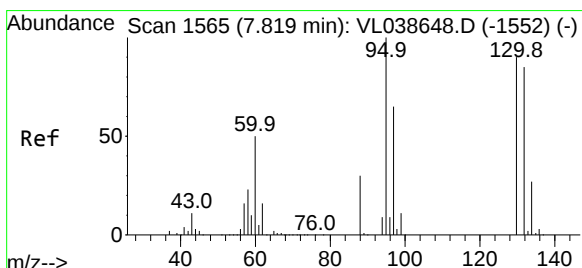
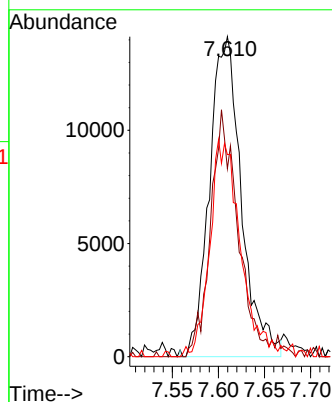
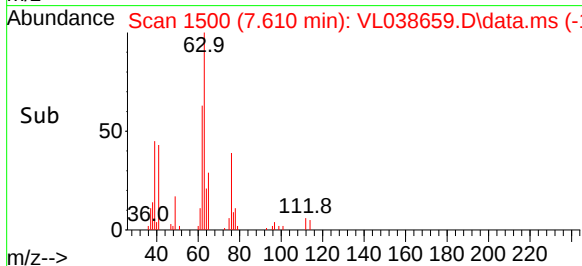
Tgt Ion: 63 Resp: 3395

Ion	Ratio	Lower	Upper
63	100		
41	58.8	49.0	73.6
62	63.1	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#40

1,4-Dioxane

Concen: 0.425 ppbv m

RT: 7.870 min Scan# 1581

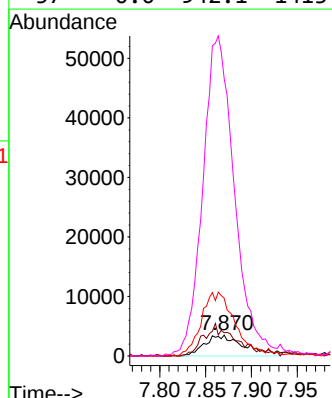
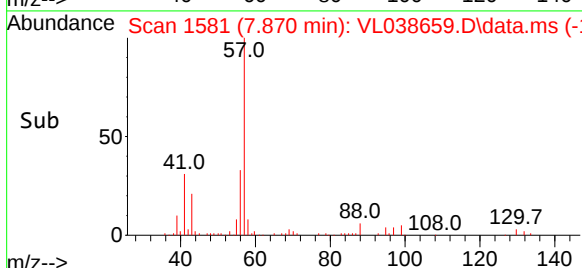
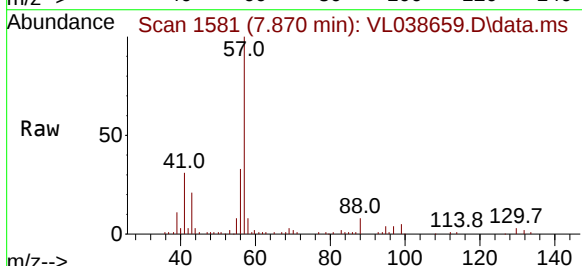
Delta R.T. 0.051 min

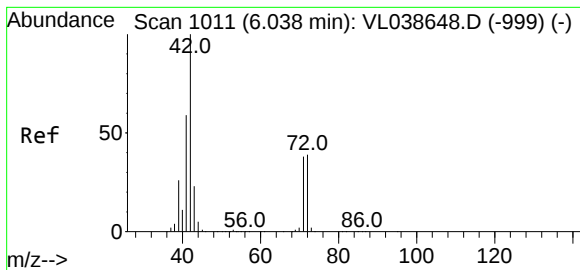
Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion: 88 Resp: 10517

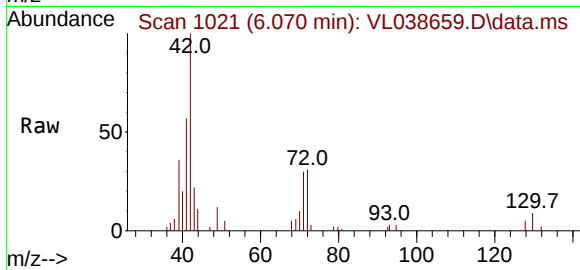
Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	201.9	302.9#
57	0.0	942.1	1413.1#





#41
Tetrahydrofuran
Concen: 0.385 ppbv m
RT: 6.070 min Scan# 1011
Delta R.T. 0.032 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

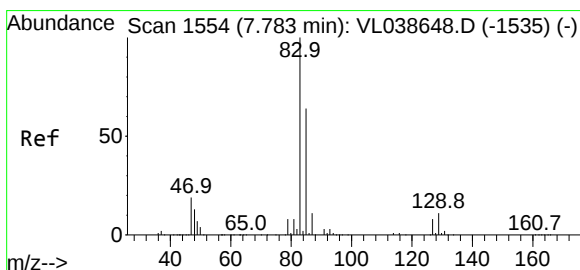
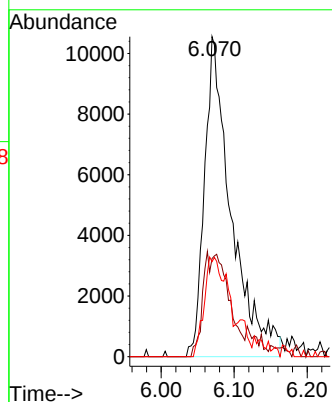
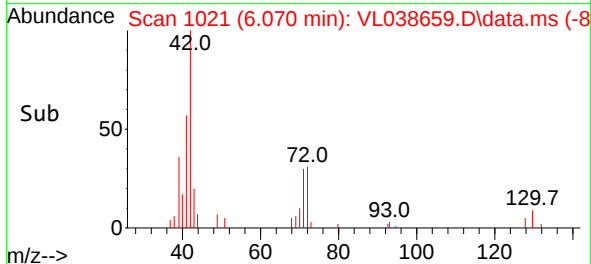
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 42 Resp: 26770
Ion Ratio Lower Upper
42 100
72 36.2 32.5 48.7
71 35.5 31.4 47.2

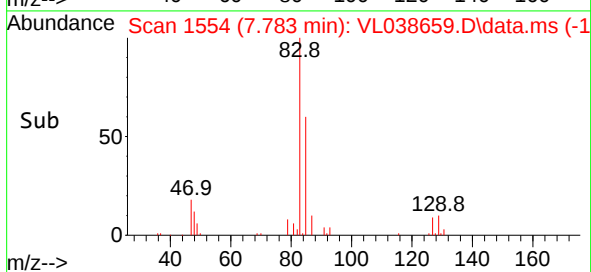
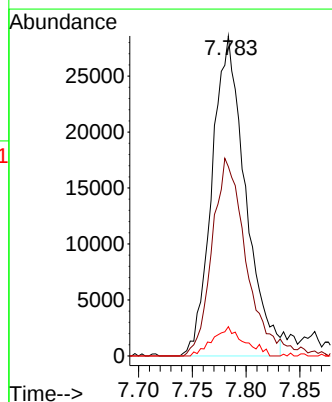
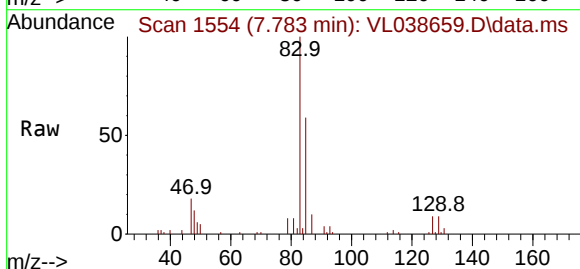
Manual Integrations
APPROVED

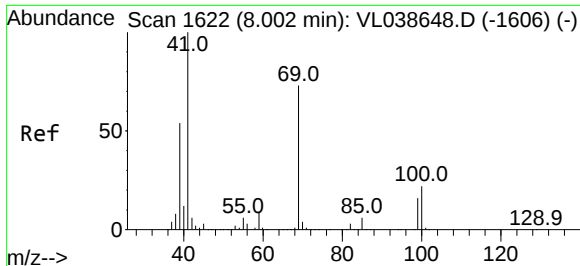
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#42
Bromodichloromethane
Concen: 0.444 ppbv
RT: 7.783 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 83 Resp: 61780
Ion Ratio Lower Upper
83 100
85 59.1 51.1 76.7
127 9.1 6.5 9.7





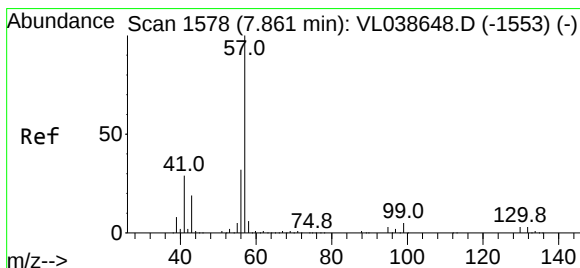
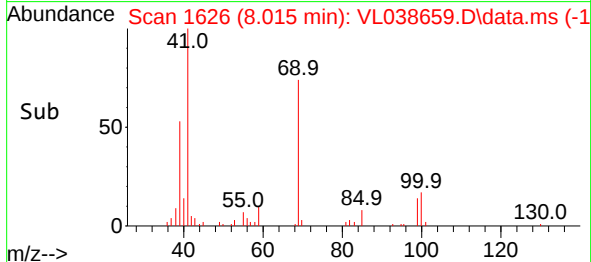
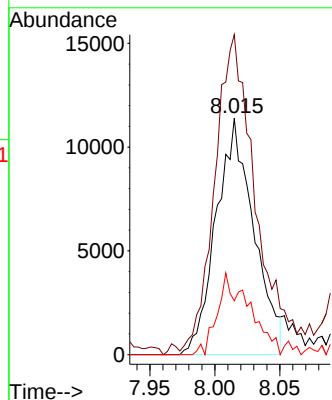
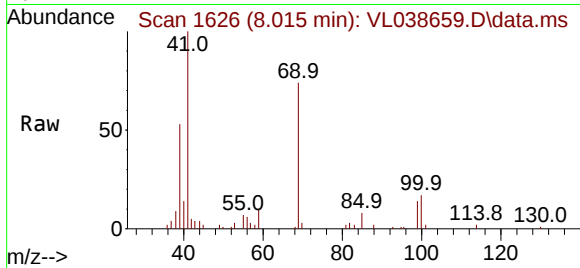
#43
Methyl Methacrylate
Concen: 0.339 ppbv
RT: 8.015 min Scan# 1626
Delta R.T. 0.013 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 69 Resp: 2298
Ion Ratio Lower Upper
69 100
41 148.4 110.3 165.5
100 31.2 24.8 37.2

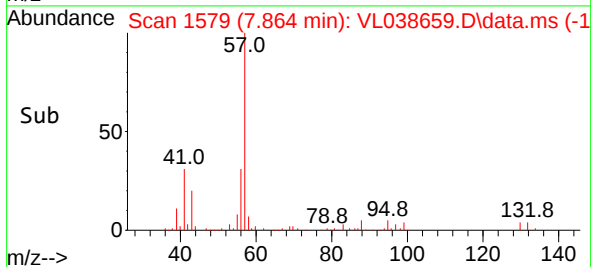
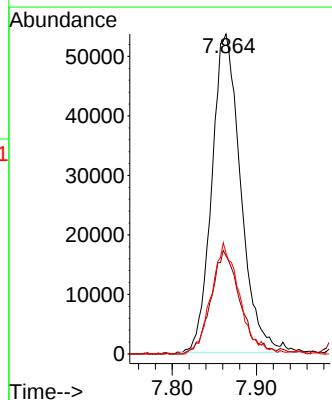
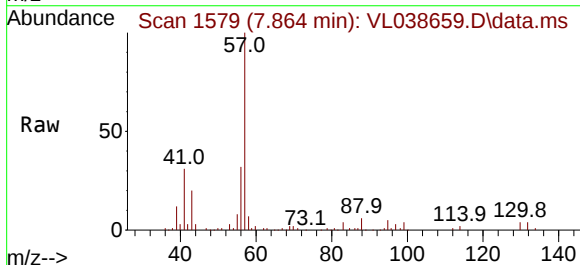
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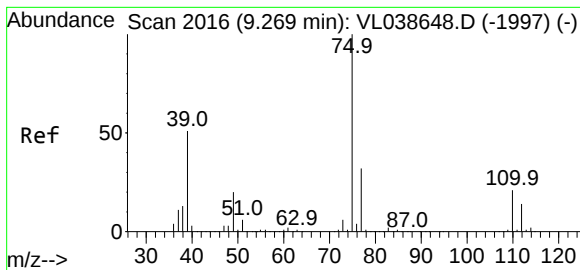
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#44
2,2,4-Trimethylpentane
Concen: 0.414 ppbv
RT: 7.864 min Scan# 1579
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 57 Resp: 126901
Ion Ratio Lower Upper
57 100
41 33.7 23.0 34.4
56 34.7 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.303 ppbv m

RT: 9.266 min Scan# 2016

Delta R.T. -0.003 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

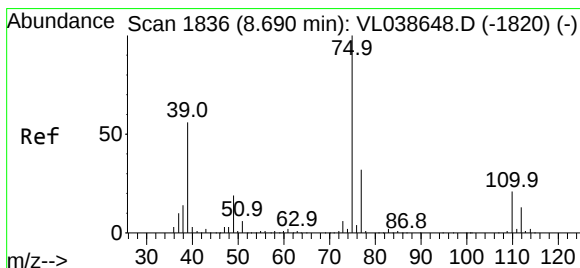
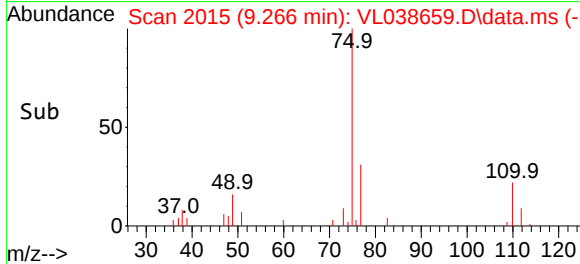
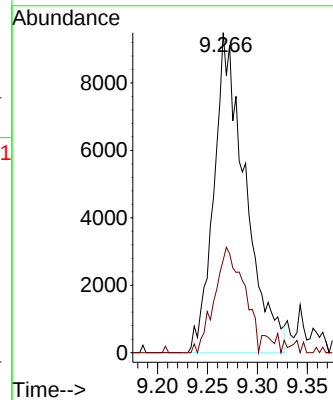
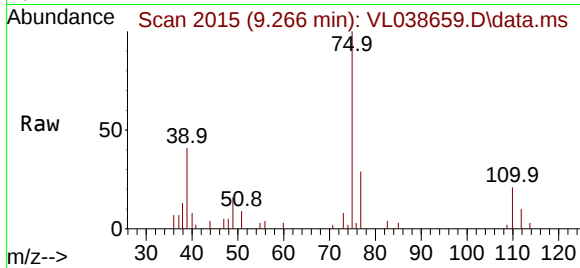
MDL-AIR-03-QT1-2022DL

Tgt Ion: 75 Resp: 2084
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#46

cis-1,3-Dichloropropene

Concen: 0.335 ppbv m

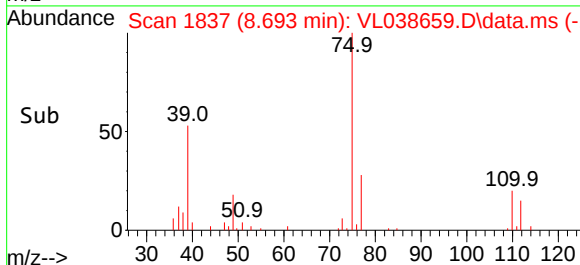
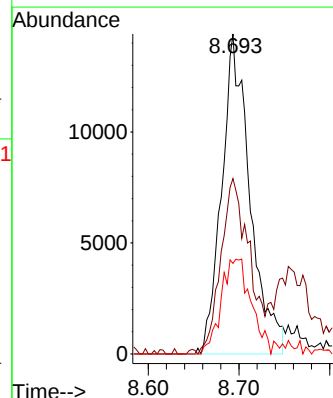
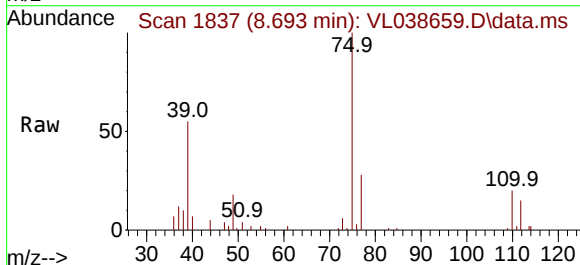
RT: 8.693 min Scan# 1837

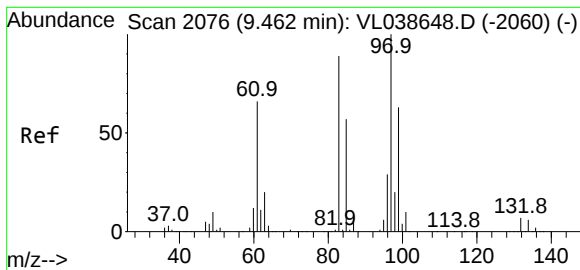
Delta R.T. 0.003 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

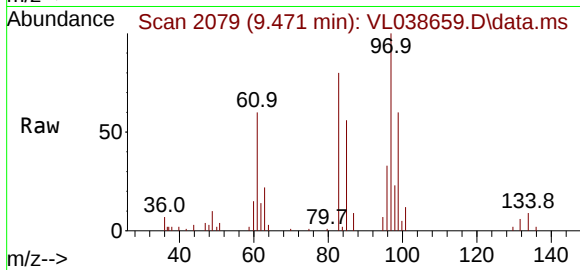
Tgt Ion: 75 Resp: 31198
 Ion Ratio Lower Upper
 75 100
 39 54.8 44.8 67.2
 77 28.3 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 0.449 ppbv
RT: 9.471 min Scan# 2076
Delta R.T. 0.010 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

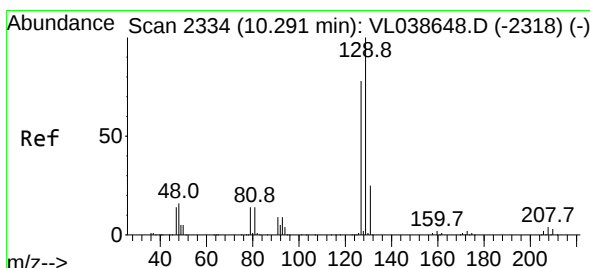
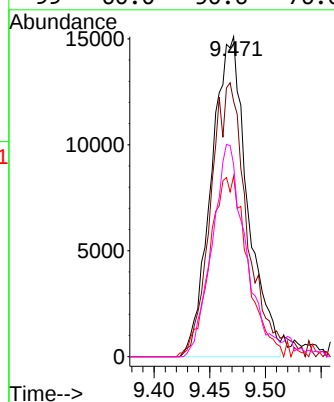
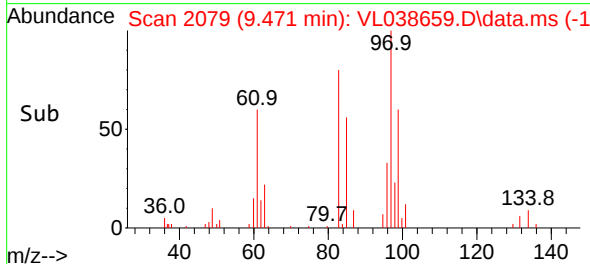
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion: 97 Resp: 3420
Ion Ratio Lower Upper
97 100
83 79.8 71.2 106.8
85 55.3 45.3 67.9
99 60.0 50.6 76.0

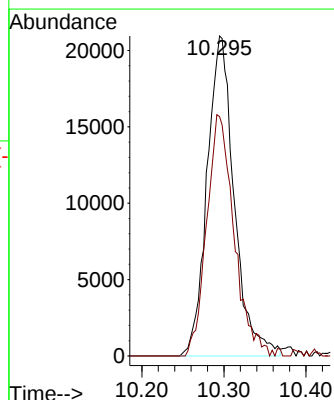
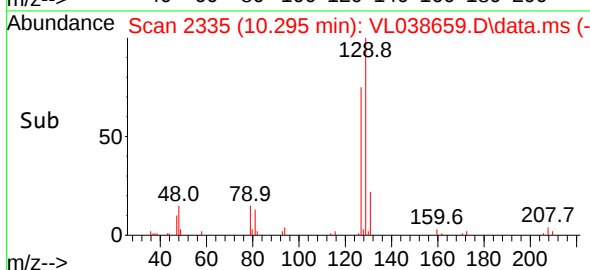
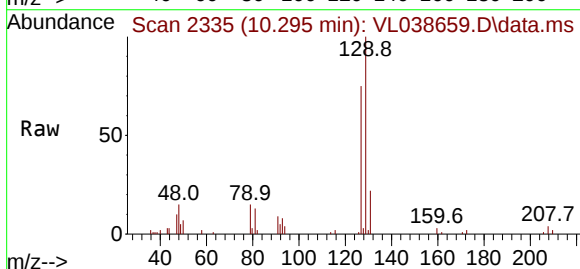
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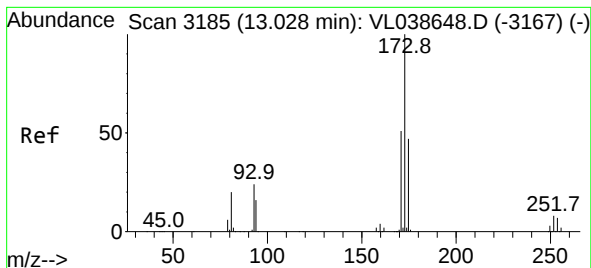
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#48
Dibromochloromethane
Concen: 0.403 ppbv
RT: 10.295 min Scan# 2335
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:129 Resp: 48119
Ion Ratio Lower Upper
129 100
127 76.5 39.5 118.5





#49

Bromoform

Concen: 0.382 ppbv m

RT: 13.034 min Scan# 3185

Delta R.T. 0.006 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

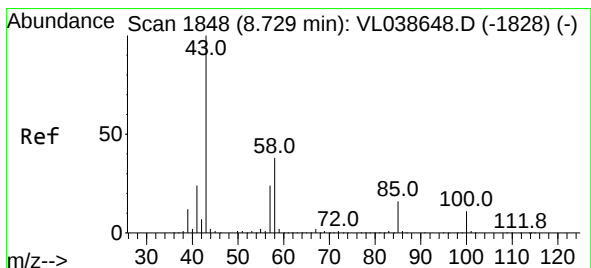
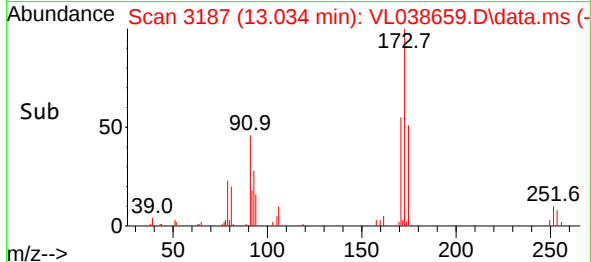
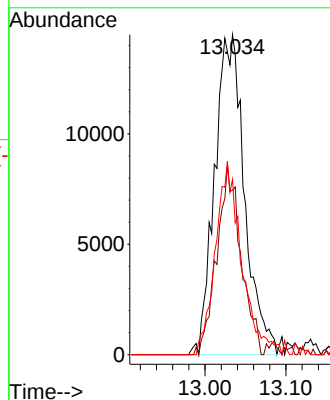
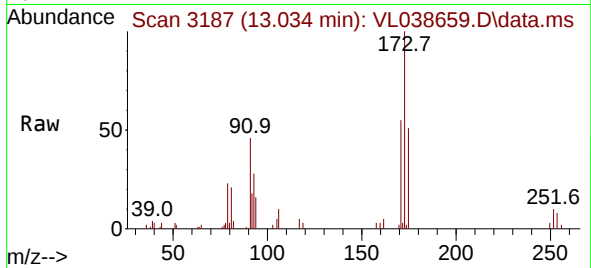
MDL-AIR-03-QT1-2022DL

Tgt Ion:173	Resp:	3712
Ion Ratio	Lower	Upper
173	100	
175	49.8	41.0 61.6
171	53.3	43.1 64.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#50

4-Methyl-2-Pentanone

Concen: 0.350 ppbv

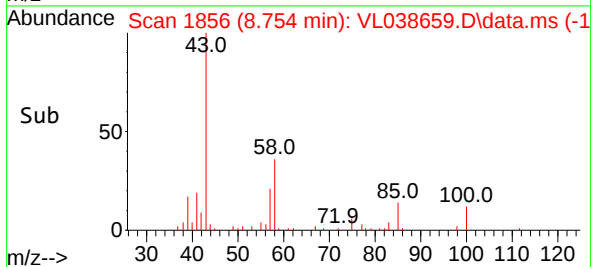
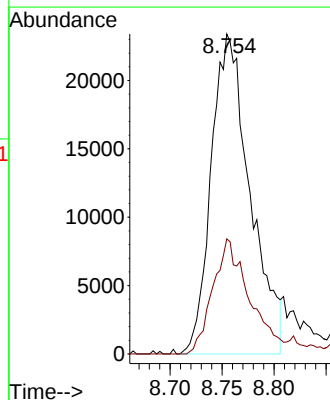
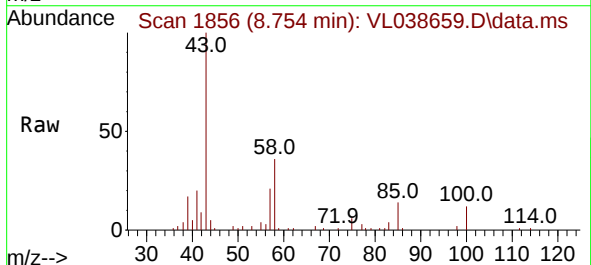
RT: 8.754 min Scan# 1856

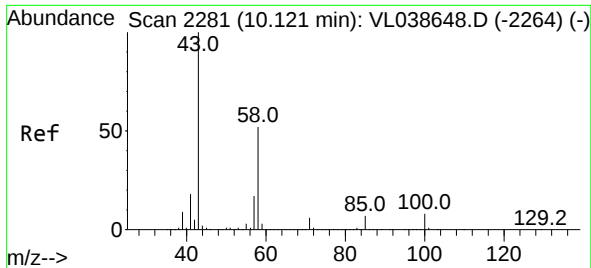
Delta R.T. 0.026 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion: 43	Resp:	60859
Ion Ratio	Lower	Upper
43	100	
58	38.0	29.9 44.9





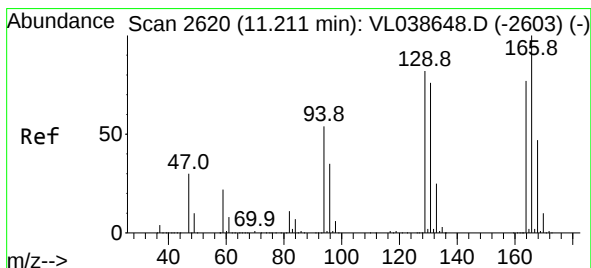
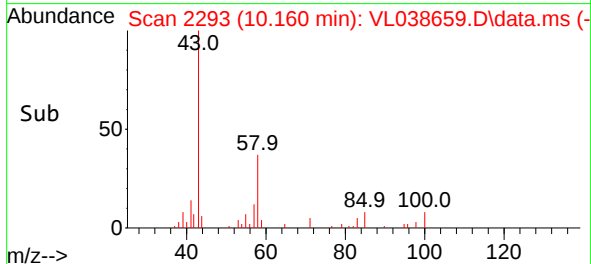
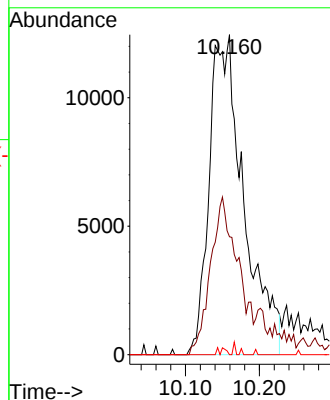
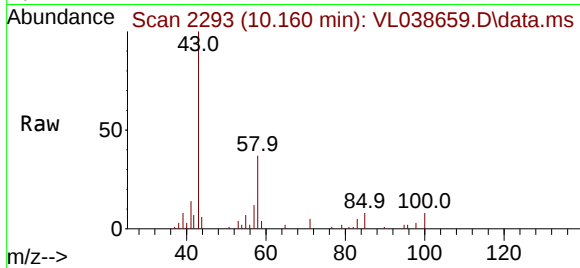
#51
2-Hexanone
Concen: 0.323 ppbv m
RT: 10.160 min Scan# 2281
Delta R.T. 0.039 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 43 Resp: 40372
Ion Ratio Lower Upper
43 100
58 0.0 41.2 61.8
98 0.0 0.2 0.4

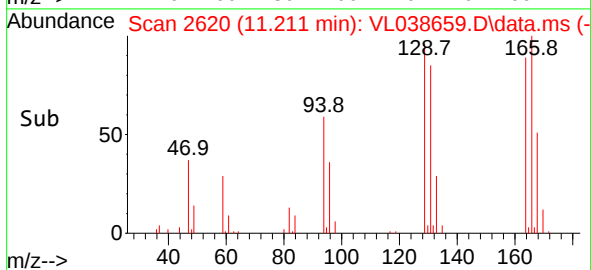
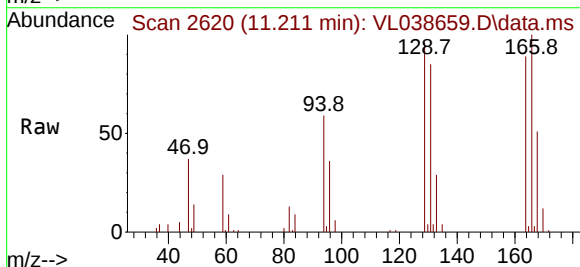
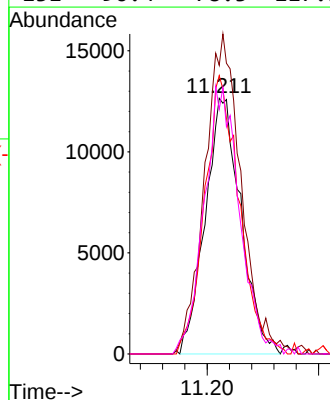
Manual Integrations
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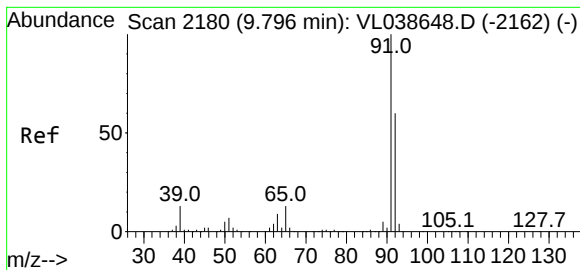
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#52
Tetrachloroethene
Concen: 0.421 ppbv
RT: 11.211 min Scan# 2620
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:164 Resp: 28092
Ion Ratio Lower Upper
164 100
166 108.4 103.3 154.9
129 106.4 85.2 127.8
131 96.4 78.3 117.5





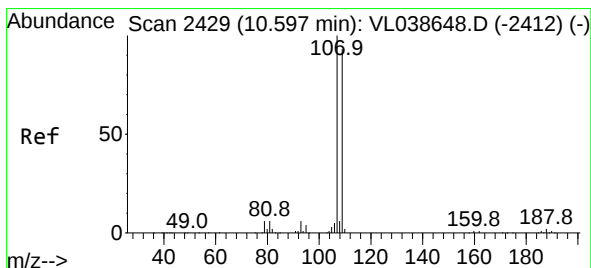
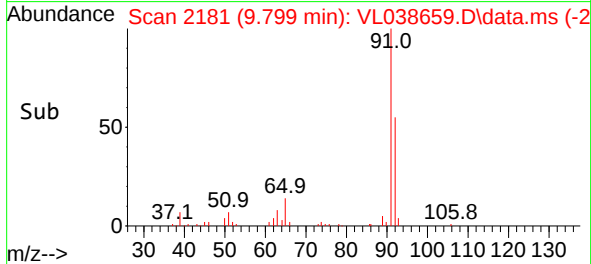
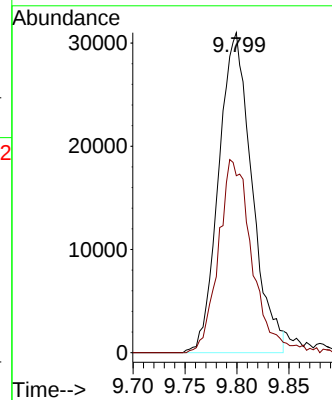
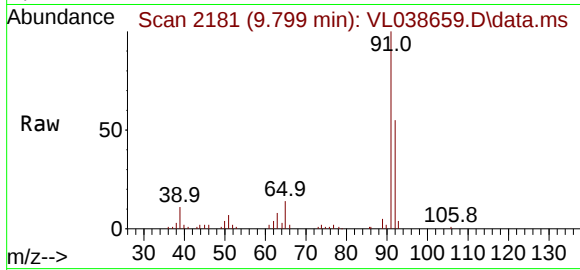
#53
Toluene
Concen: 0.352 ppbv
RT: 9.799 min Scan# 2180
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 68934
Ion Ratio Lower Upper
91 100
92 61.5 48.7 73.1

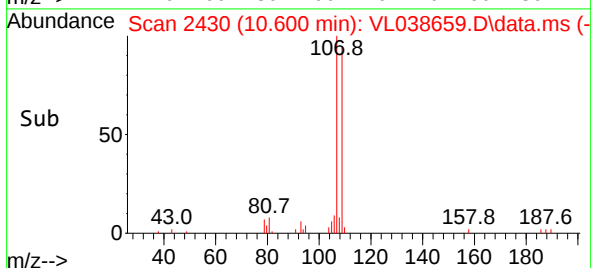
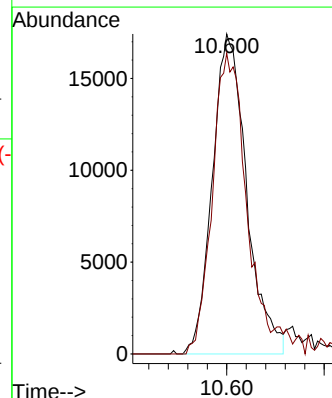
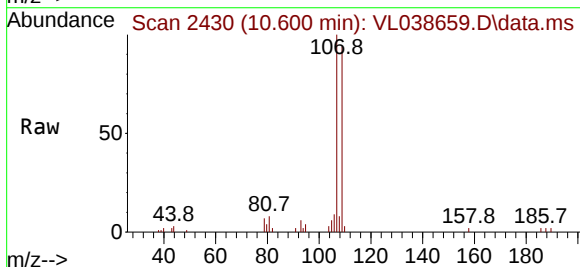
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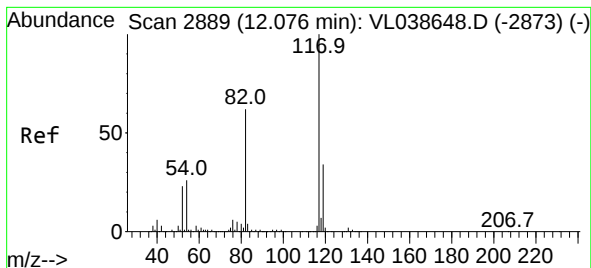
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#54
1,2-Dibromoethane
Concen: 0.409 ppbv
RT: 10.600 min Scan# 2430
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:107 Resp: 42542
Ion Ratio Lower Upper
107 100
109 94.0 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. -0.000 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

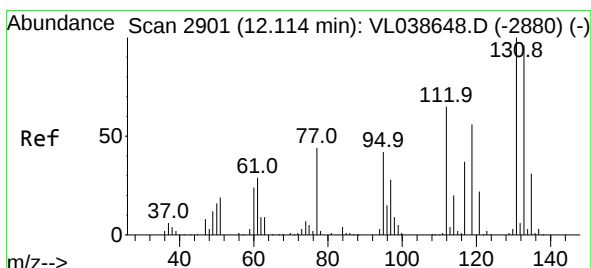
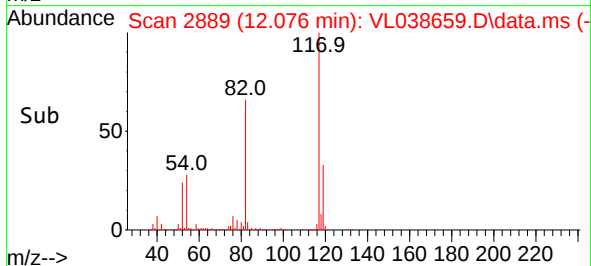
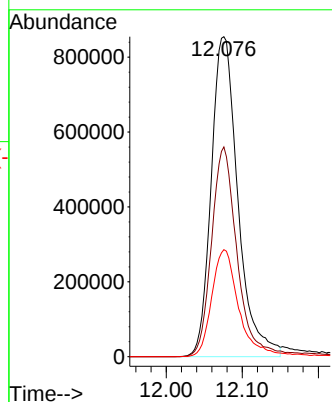
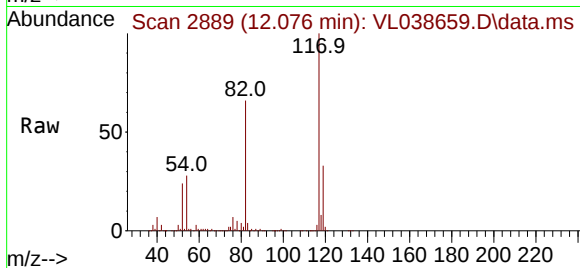
MDL-AIR-03-QT1-2022DL

Tgt Ion:117 Resp: 208602

Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.6	77.4
119	34.9	26.9	40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 0.478 ppbv

RT: 12.111 min Scan# 2900

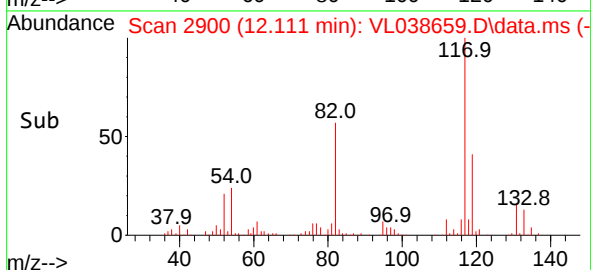
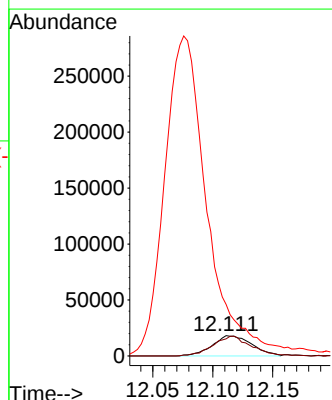
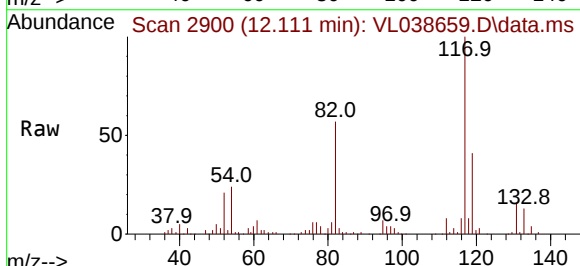
Delta R.T. -0.003 min

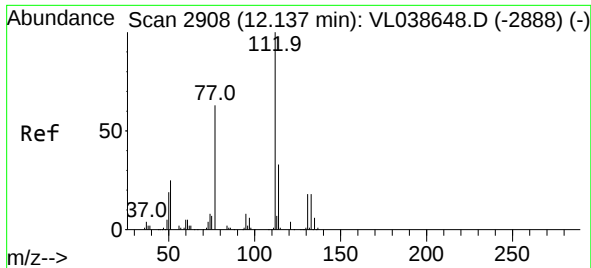
Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion:131 Resp: 41345

Ion	Ratio	Lower	Upper
131	100		
133	95.9	77.3	115.9
119	1762.0	53.0	79.6#





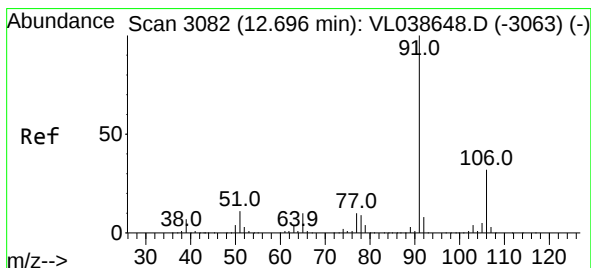
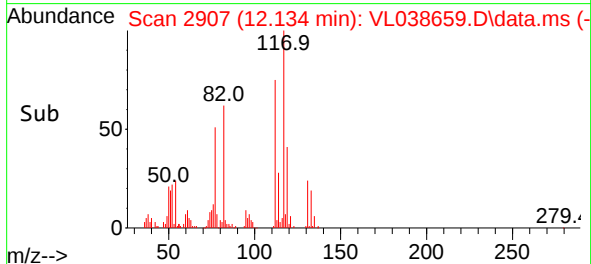
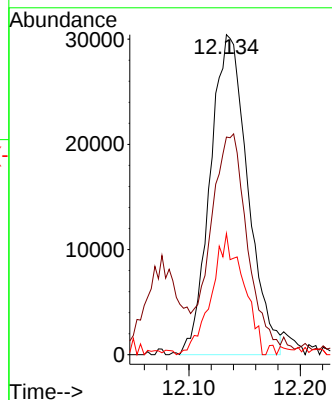
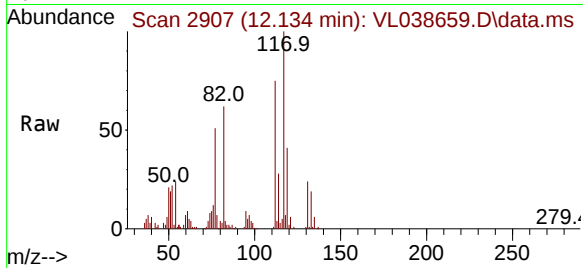
#57
Chlorobenzene
Concen: 0.474 ppbv
RT: 12.134 min Scan# 2907
Delta R.T. -0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion:112 Resp: 7135
Ion Ratio Lower Upper
112 100
77 65.0 51.0 76.6
114 41.6 29.8 36.4

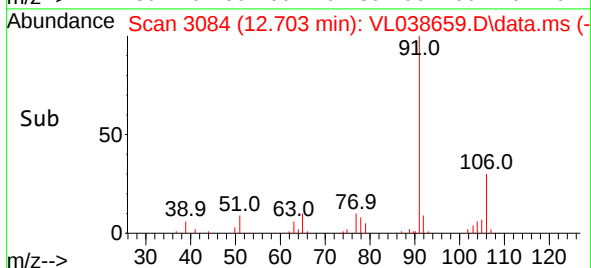
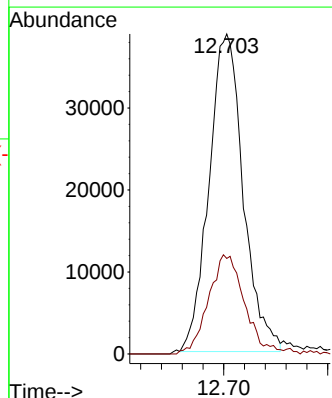
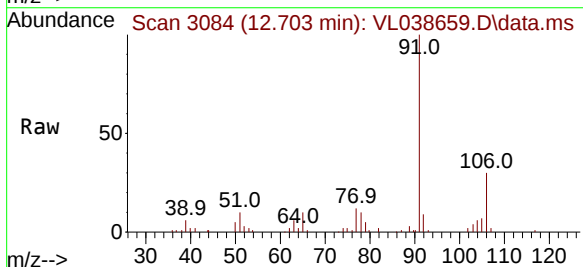
Manual Integrations
APPROVED

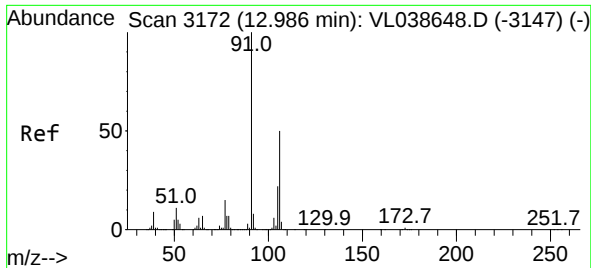
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#58
Ethyl Benzene
Concen: 0.364 ppbv
RT: 12.703 min Scan# 3084
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion: 91 Resp: 88670
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.0





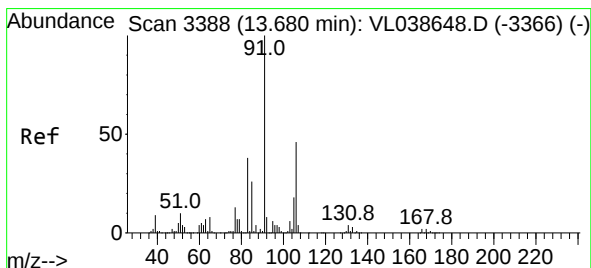
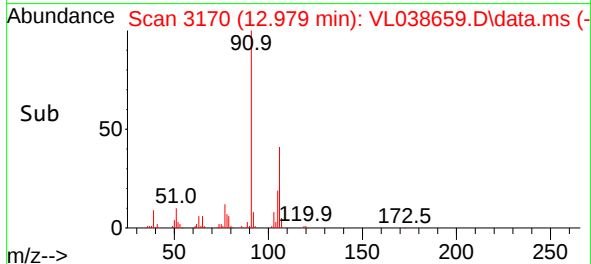
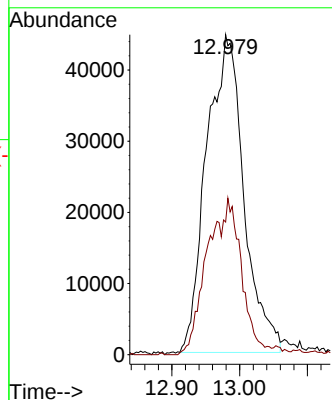
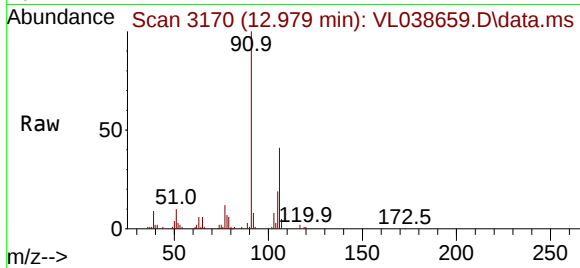
#59
m/p-Xylene
Concen: 0.799 ppbv
RT: 12.979 min Scan# 3170
Delta R.T. -0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 17040
Ion Ratio Lower Upper
91 100
106 46.2 37.2 55.8

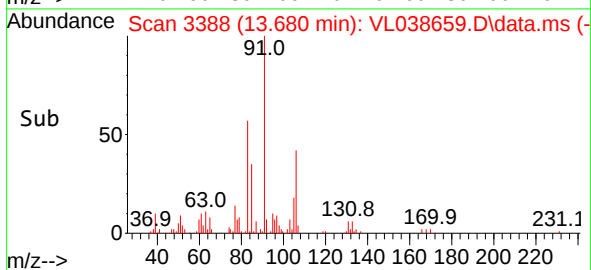
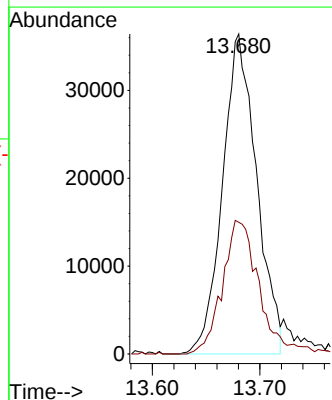
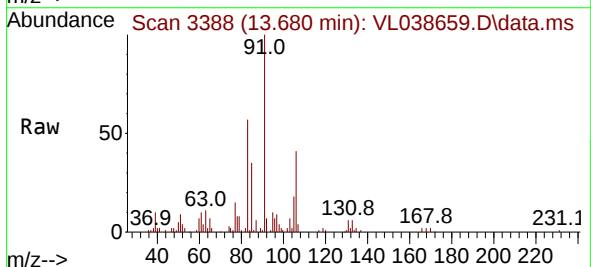
Manual Integrations
APPROVED

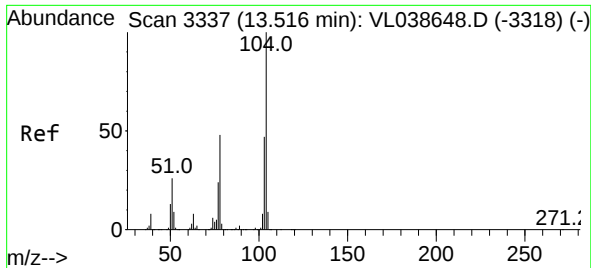
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#60
o-Xylene
Concen: 0.396 ppbv
RT: 13.680 min Scan# 3388
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

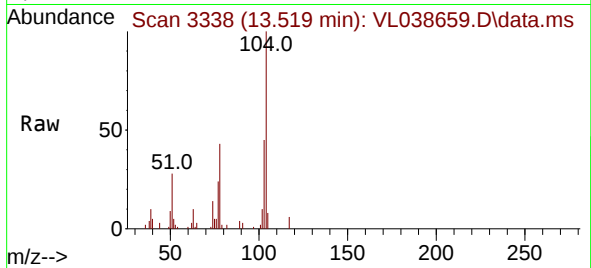
Tgt Ion: 91 Resp: 80164
Ion Ratio Lower Upper
91 100
106 45.7 23.5 70.5





#61
Styrene
Concen: 0.312 ppbv
RT: 13.519 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

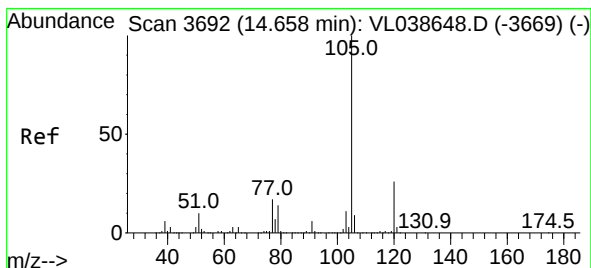
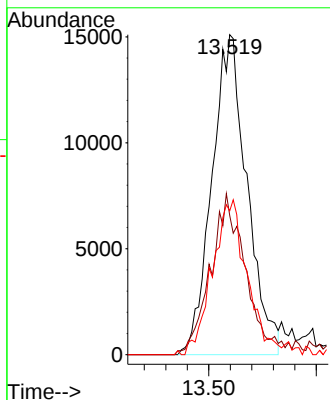
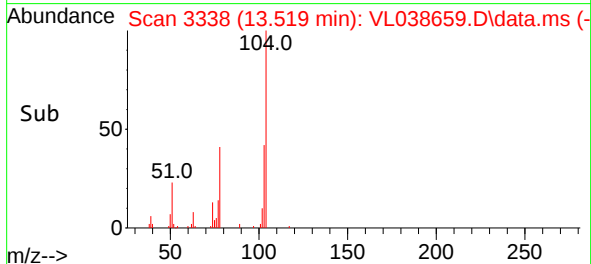
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



Tgt Ion:104 Resp: 34289
Ion Ratio Lower Upper
104 100
78 51.3 39.0 58.4
103 49.2 37.8 56.8

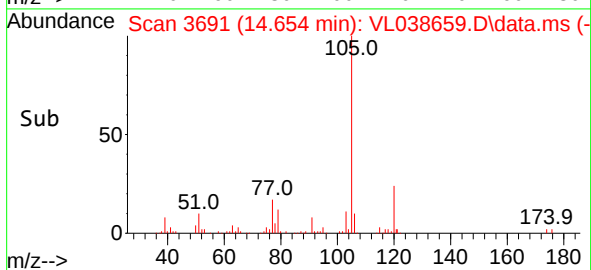
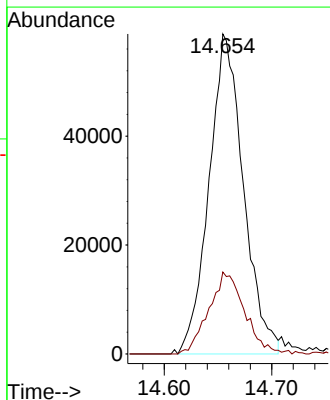
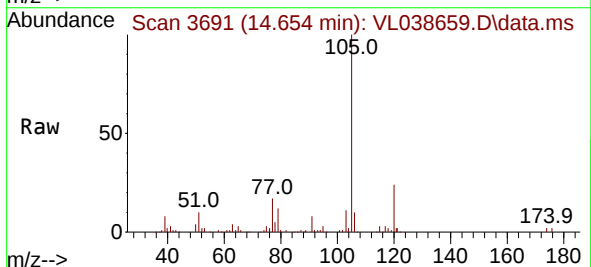
Manual Integrations
APPROVED

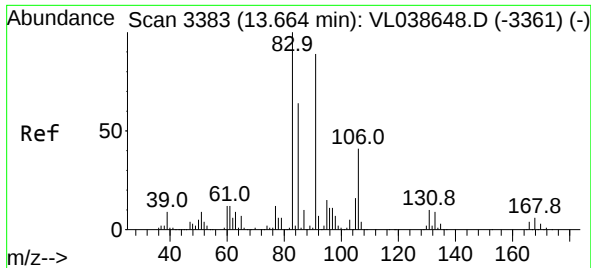
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#62
Isopropylbenzene
Concen: 0.429 ppbv
RT: 14.654 min Scan# 3691
Delta R.T. -0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:105 Resp: 130581
Ion Ratio Lower Upper
105 100
120 26.7 21.2 31.8





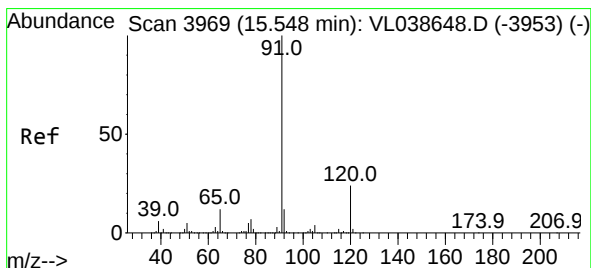
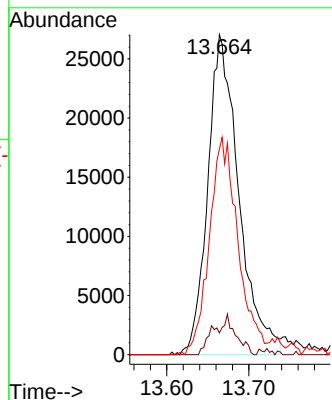
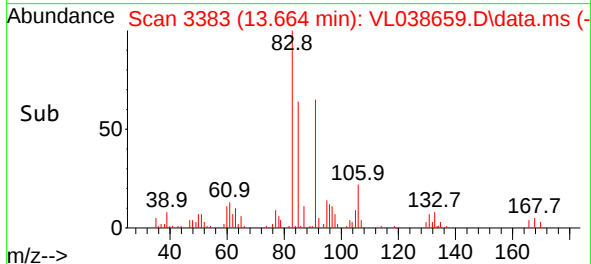
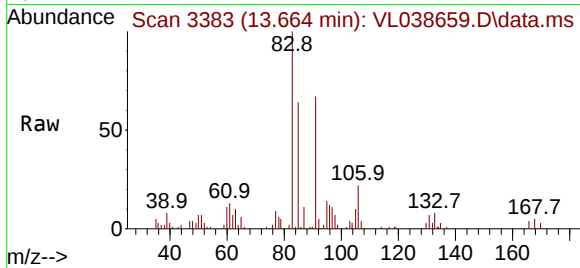
#63
1,1,2,2-Tetrachloroethane
Concen: 0.453 ppbv
RT: 13.664 min Scan# 3105
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 83 Resp: 71058
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 66.7 32.6 97.8

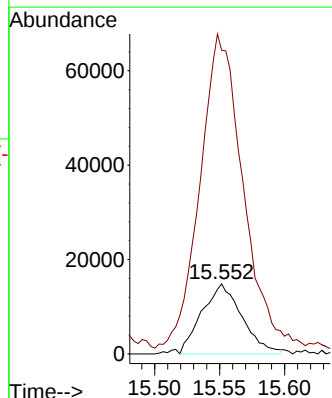
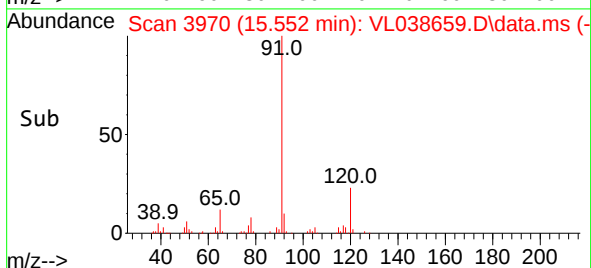
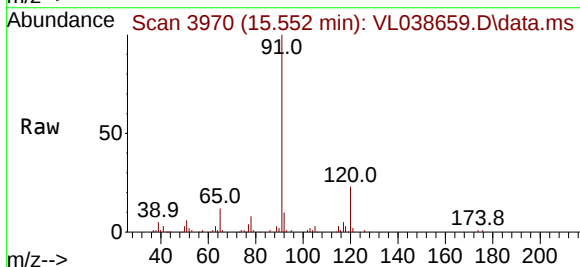
Manual Integrations
APPROVED

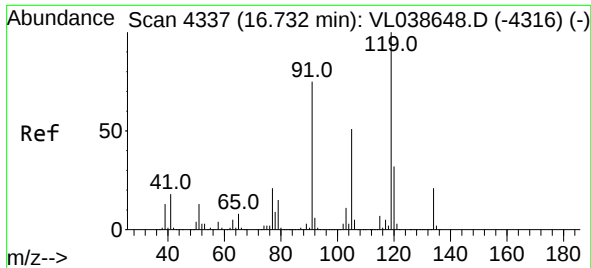
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#64
n-propylbenzene
Concen: 0.398 ppbv
RT: 15.552 min Scan# 3970
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

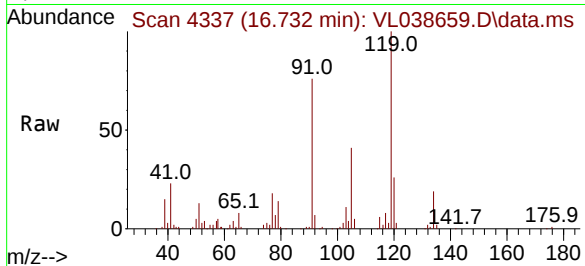
Tgt Ion:120 Resp: 31828
Ion Ratio Lower Upper
120 100
91 506.4 368.0 552.0





#65
tert-Butylbenzene
Concen: 0.415 ppbv m
RT: 16.732 min Scan# 4337
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

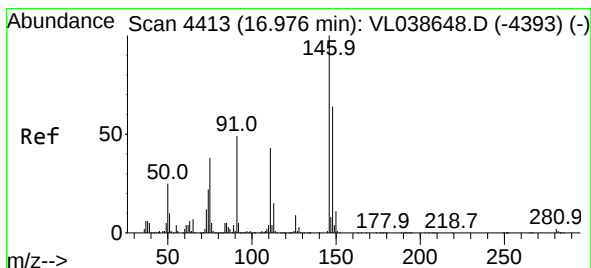
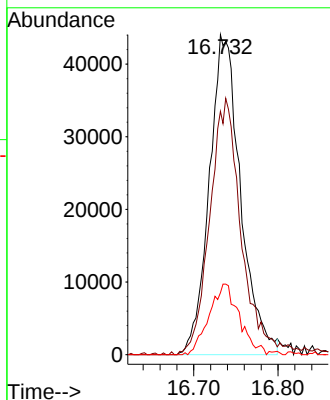
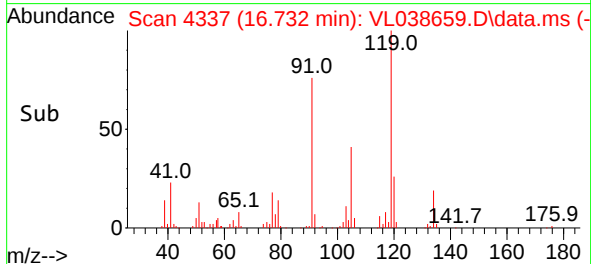
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



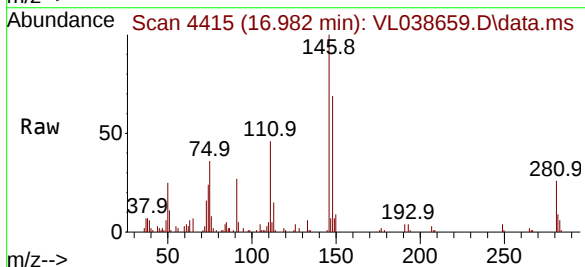
Tgt Ion: 119 Resp: 11347
Ion Ratio Lower Upper
119 100
91 0.0 61.2 91.8
134 0.0 16.3 24.5

Manual Integrations
APPROVED

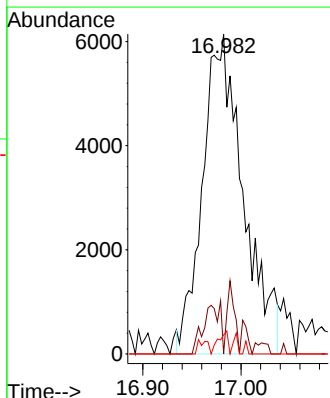
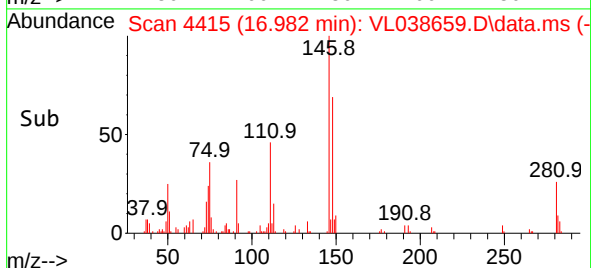
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

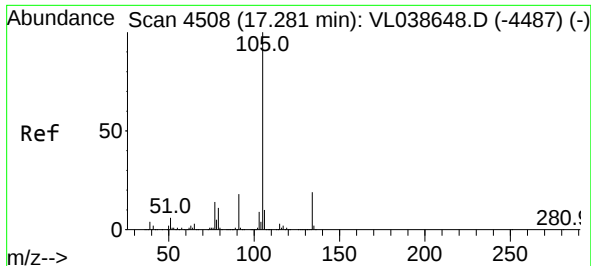


#66
Benzyl Chloride
Concen: 0.340 ppbv m
RT: 16.982 min Scan# 4415
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48



Tgt Ion: 91 Resp: 17599
Ion Ratio Lower Upper
91 100
126 0.0 14.3 21.5#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.418 ppbv

RT: 17.285 min Scan# 4509

Delta R.T. 0.003 min

Lab File: VL038659.D

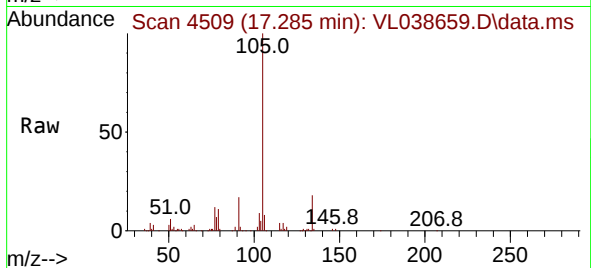
Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL



Tgt Ion:105 Resp: 16354

Ion Ratio Lower Upper

105 100

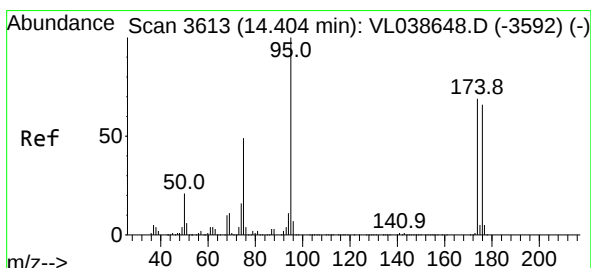
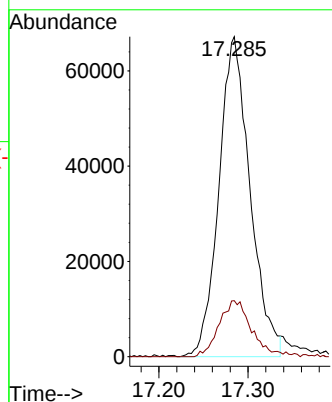
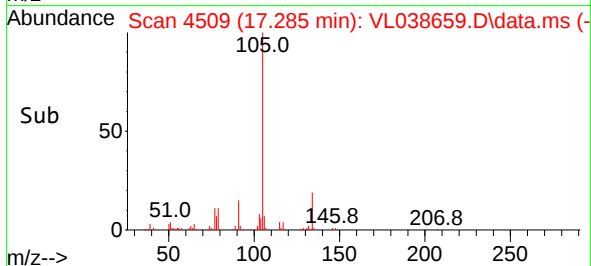
134 18.4 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.320 ppbv

RT: 14.404 min Scan# 3613

Delta R.T. -0.000 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

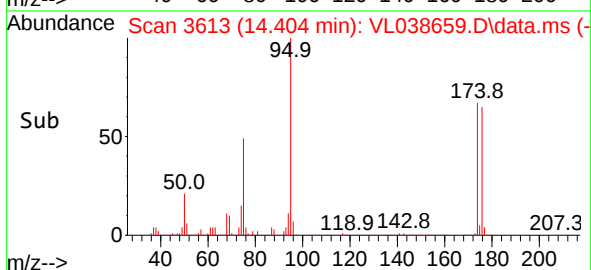
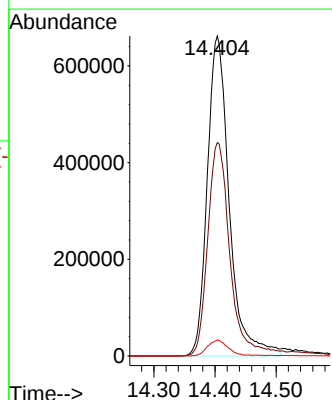
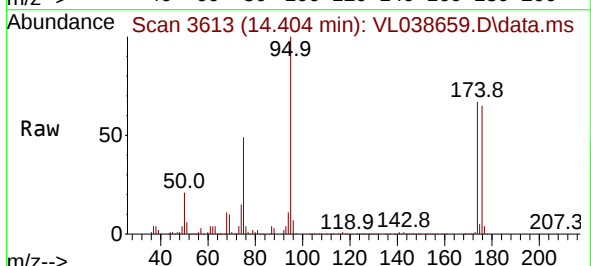
Tgt Ion: 95 Resp: 1650444

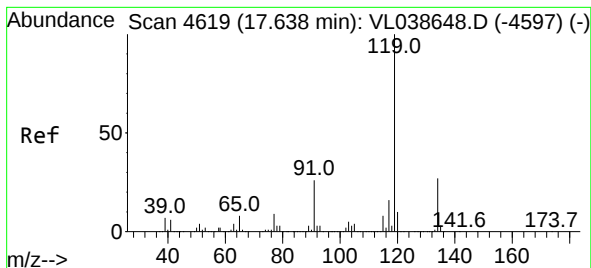
Ion Ratio Lower Upper

95 100

174 69.9 56.1 84.1

175 4.8 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.371 ppbv

RT: 17.642 min Scan# 4620

Delta R.T. 0.003 min

Lab File: VL038659.D

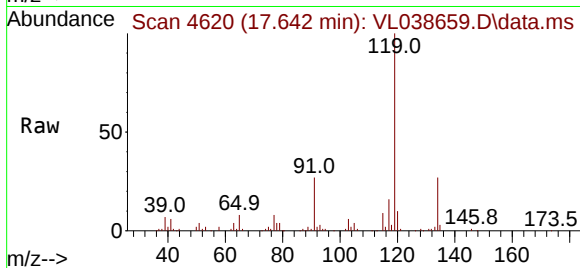
Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL



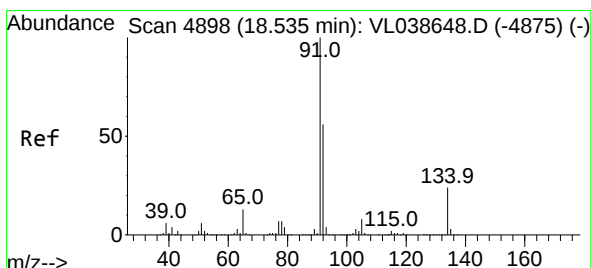
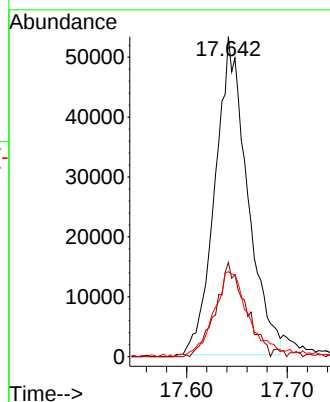
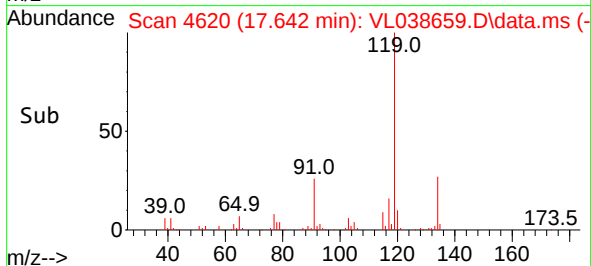
Tgt Ion: 119 Resp: 118598

Ion	Ratio	Lower	Upper
119	100		
134	28.5	21.2	31.8
91	30.5	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#70

n-Butylbenzene

Concen: 0.382 ppbv

RT: 18.539 min Scan# 4899

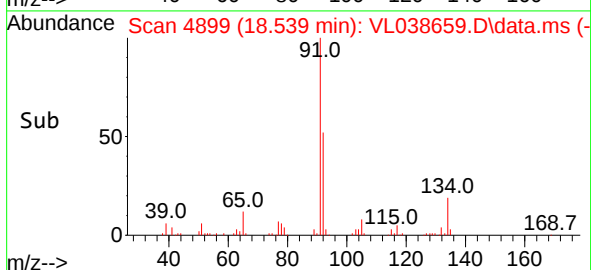
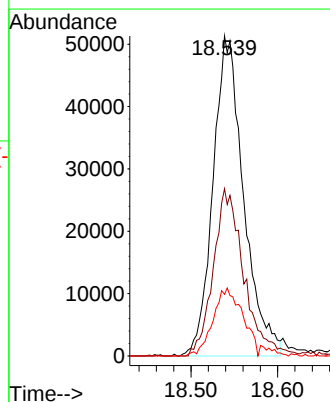
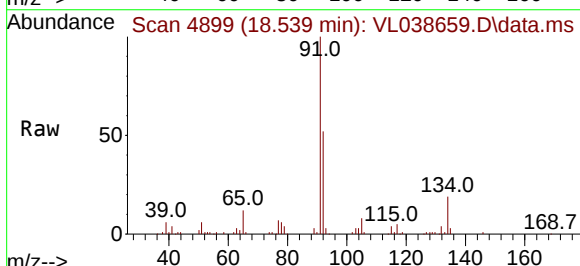
Delta R.T. 0.003 min

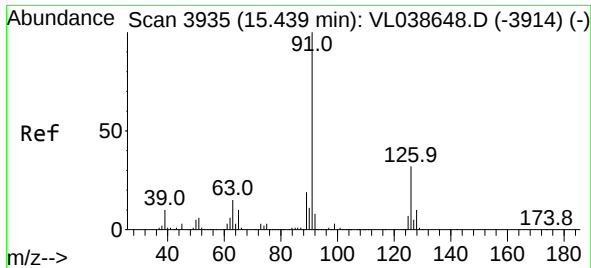
Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion: 91 Resp: 125982

Ion	Ratio	Lower	Upper
91	100		
92	53.2	43.9	65.9
134	22.0	18.7	28.1





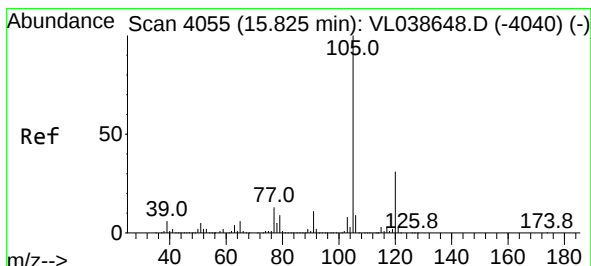
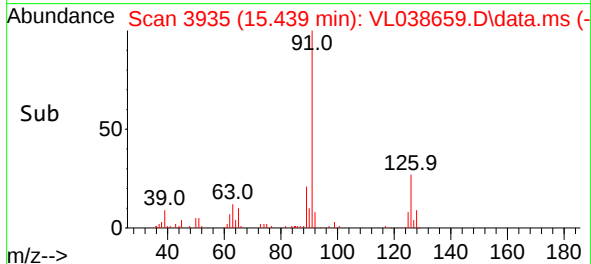
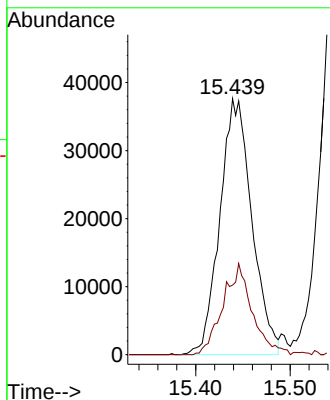
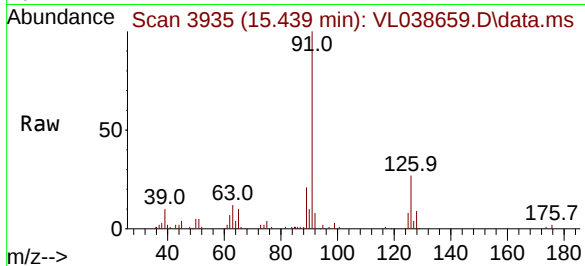
#71
2-Chlorotoluene
Concen: 0.392 ppbv
RT: 15.439 min Scan# 3914
Delta R.T. -0.000 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL

Tgt Ion: 91 Resp: 8865
Ion Ratio Lower Upper
91 100
126 32.7 13.1 52.3

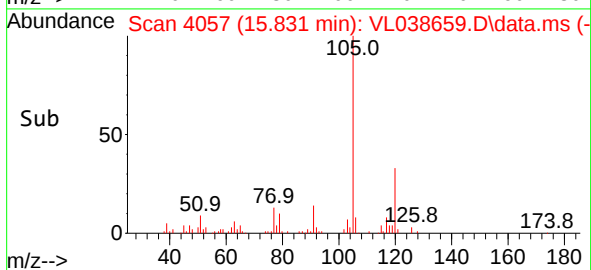
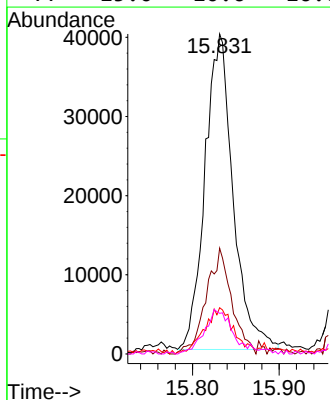
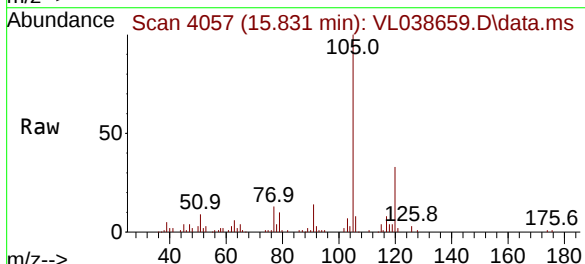
Manual Integrations
APPROVED

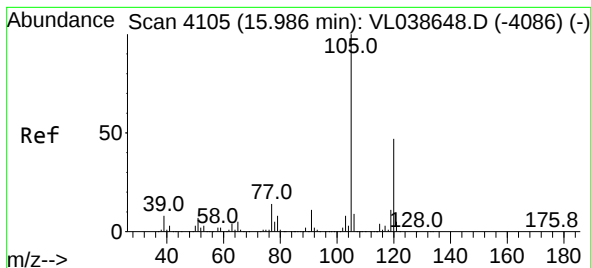
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#72
4-Ethyltoluene
Concen: 0.376 ppbv
RT: 15.831 min Scan# 4057
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

Tgt Ion:105 Resp: 89947
Ion Ratio Lower Upper
105 100
120 32.1 24.9 37.3
91 14.6 9.8 14.6
77 15.0 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 0.378 ppbv

RT: 15.989 min Scan# 4105

Delta R.T. 0.003 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL

Tgt Ion:105 Resp: 8241

Ion Ratio Lower Upper

105 100

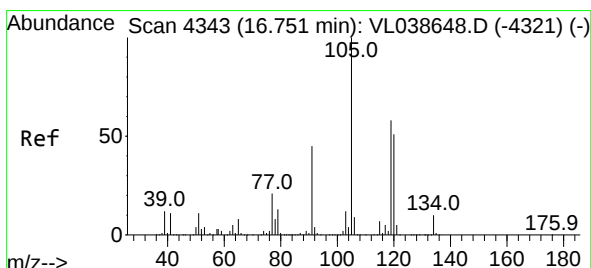
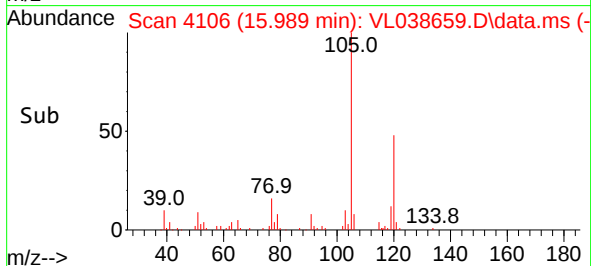
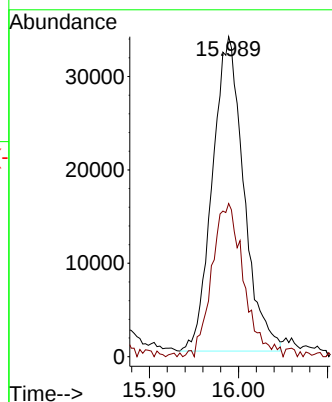
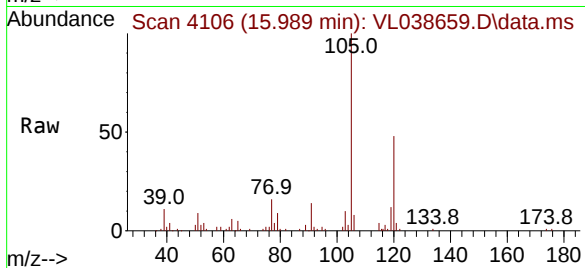
120 51.6 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.410 ppbv

RT: 16.748 min Scan# 4342

Delta R.T. -0.003 min

Lab File: VL038659.D

Acq: 21 Mar 2022 20:48

Tgt Ion:105 Resp: 97184

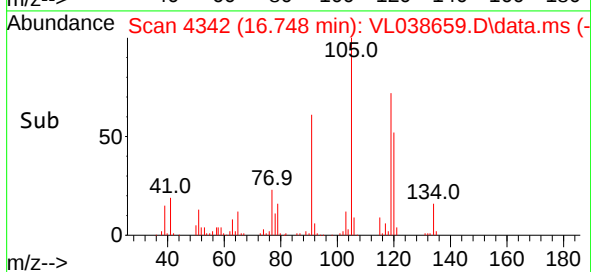
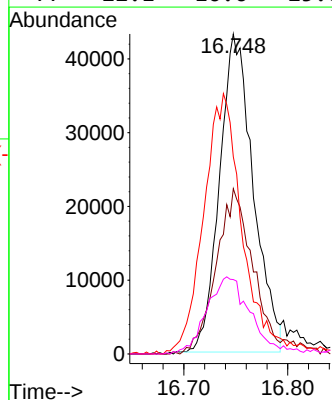
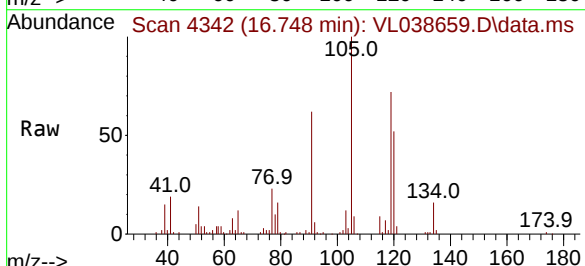
Ion Ratio Lower Upper

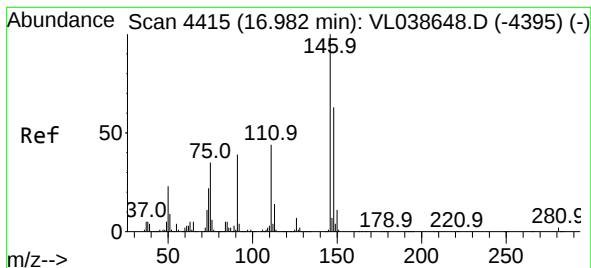
105 100

120 52.0 40.5 60.7

91 57.8 35.9 53.9#

77 22.1 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.427 ppbv

RT: 16.986 min Scan# 4415

Delta R.T. 0.003 min

Lab File: VL038659.D

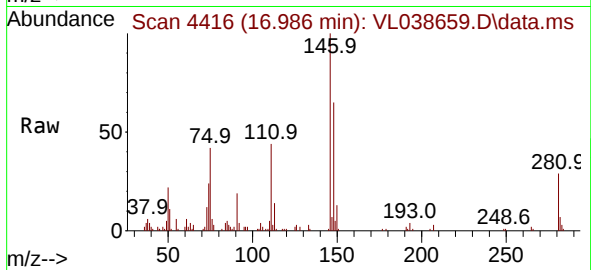
Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

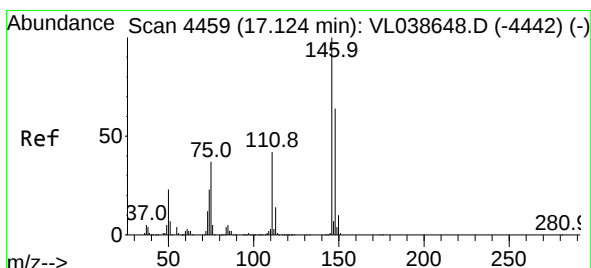
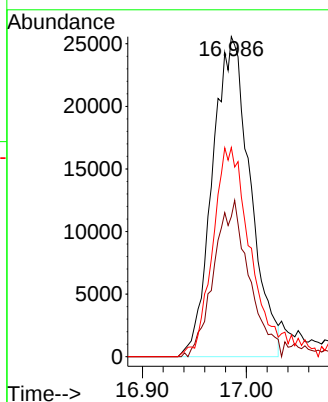
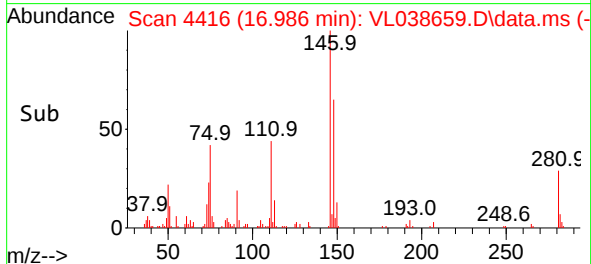
MDL-AIR-03-QT1-2022DL



Tgt Ion:	146	Resp:	64600
Ion Ratio	Lower	Upper	
146	100		
111	48.1	22.2	66.6
148	67.8	32.5	97.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#76

1,4-Dichlorobenzene

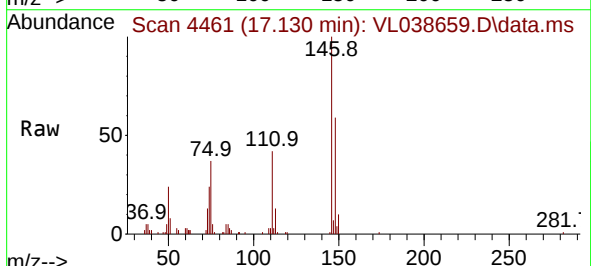
Concen: 0.368 ppbv

RT: 17.130 min Scan# 4461

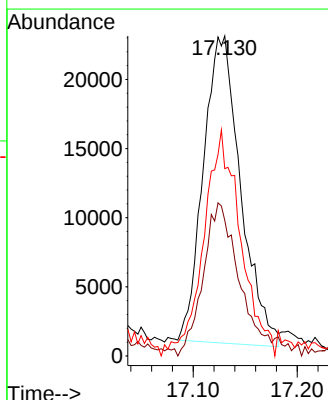
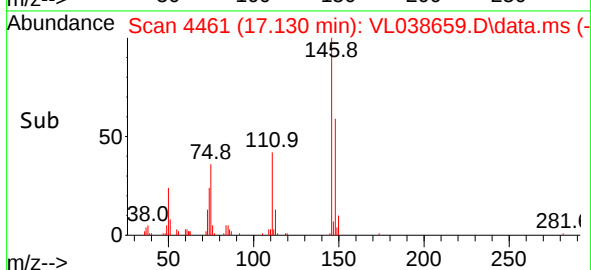
Delta R.T. 0.006 min

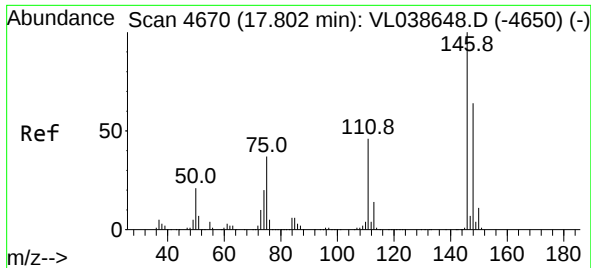
Lab File: VL038659.D

Acq: 21 Mar 2022 20:48



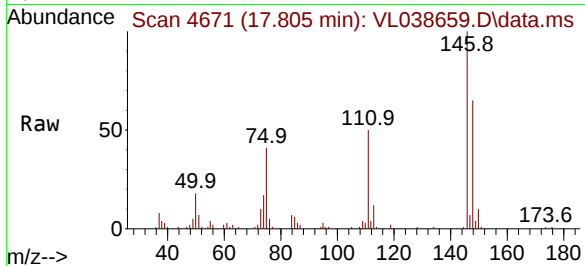
Tgt Ion:	146	Resp:	55273
Ion Ratio	Lower	Upper	
146	100		
111	51.1	21.4	64.2
148	78.2	32.1	96.3





#77
1,2-Dichlorobenzene
Concen: 0.411 ppbv
RT: 17.805 min Scan# 401
Delta R.T. 0.003 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

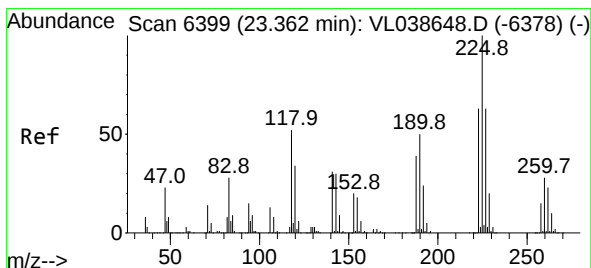
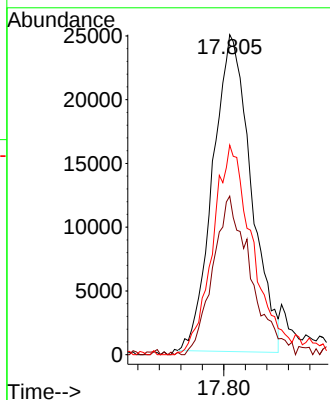
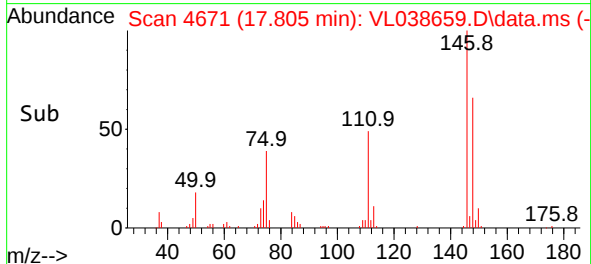
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



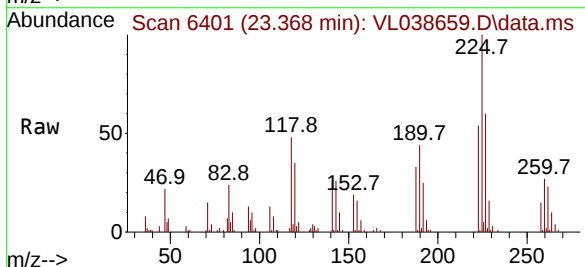
Tgt Ion:146 Resp: 61600
Ion Ratio Lower Upper
146 100
111 50.9 22.8 68.4
148 73.0 32.5 97.4

Manual Integrations
APPROVED

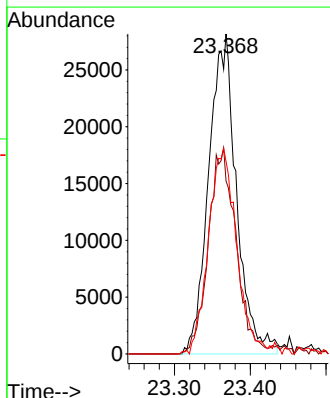
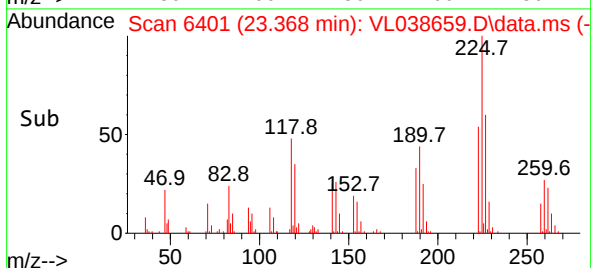
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

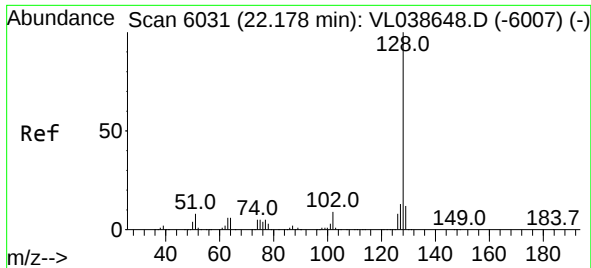


#78
Hexachloro-1,3-Butadiene
Concen: 0.519 ppbv m
RT: 23.368 min Scan# 6401
Delta R.T. 0.006 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48



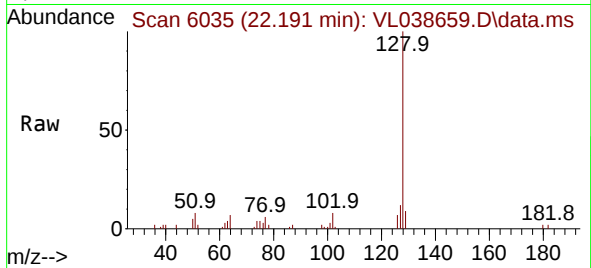
Tgt Ion:225 Resp: 71765
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.5 77.3#





#79
Naphthalene
Concen: 0.349 ppbv m
RT: 22.191 min Scan# 6035
Delta R.T. 0.013 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48

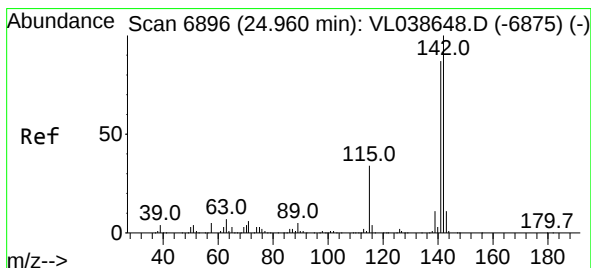
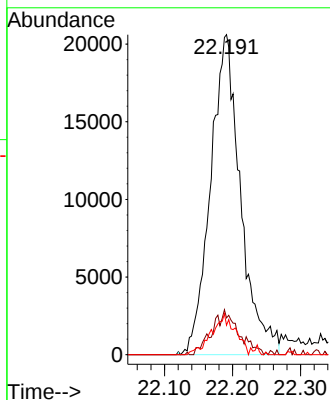
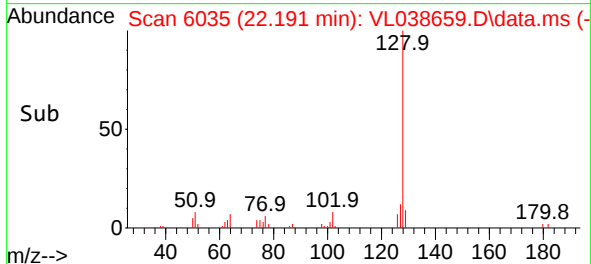
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2022DL



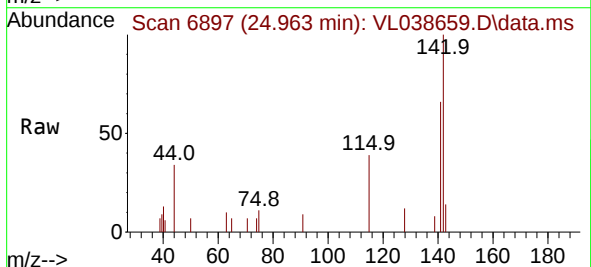
Tgt Ion:128 Resp: 6335
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 9.2 9.2 13.8

Manual Integrations
APPROVED

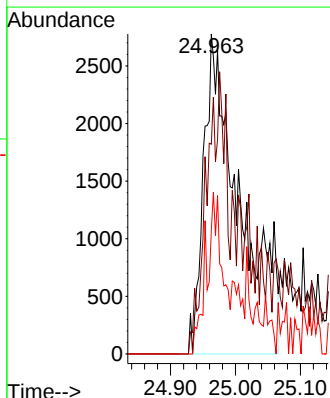
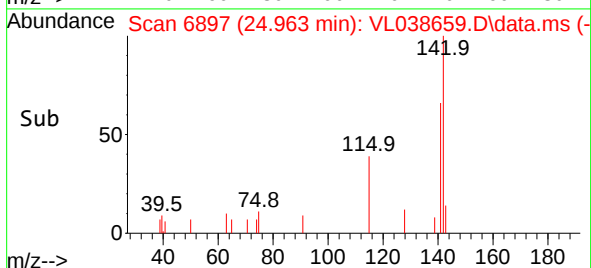
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

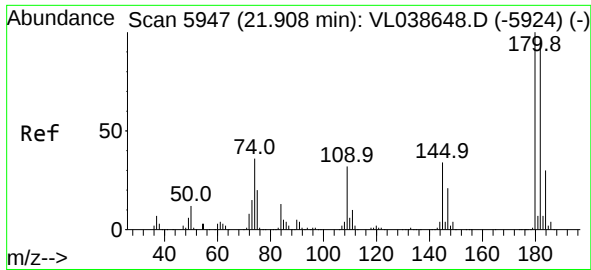


#80
Naphthalene,2-methyl-
Concen: 0.219 ppbv
RT: 24.963 min Scan# 6897
Delta R.T. 0.004 min
Lab File: VL038659.D
Acq: 21 Mar 2022 20:48



Tgt Ion:142 Resp: 10661
Ion Ratio Lower Upper
142 100
141 79.6 66.4 99.6
115 27.4 27.8 41.6#





#81

1,2,4-Trichlorobenzene

Concen: 0.379 ppbv

RT: 21.911 min Scan# 5948

Delta R.T. 0.003 min

Lab File: VL038659.D

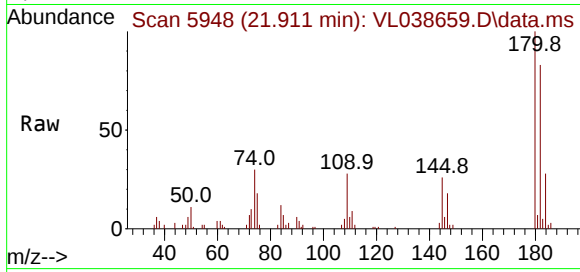
Acq: 21 Mar 2022 20:48

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2022DL



Tgt Ion:180 Resp: 47090

Ion Ratio Lower Upper

180 100

182 92.3 79.2 118.8

184 30.1 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022

