

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039596.D
 Acq On : 26 Aug 2022 9:42
 Operator : SY/AP
 Sample : N3980-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 27 00:02:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 08/29/2022
 Supervised By : Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.208	49	965536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2632875	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2345621	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1739319	9.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	84342	0.656	ppbv	97
3) Chlorodifluoromethane	2.697	51	56686	0.493	ppbv	97
4) Chloromethane	2.838	50	33886	0.489	ppbv #	85
5) Vinyl Chloride	2.944	62	25655m	0.459	ppbv	
6) Bromomethane	3.144	94	11836m	0.499	ppbv	
7) Chloroethane	3.218	64	10335m	0.493	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	68563	0.499	ppbv	99
9) Propene	2.726	41	26815m	0.509	ppbv	
10) Heptane	7.590	43	46767m	0.384	ppbv	
11) Trichlorofluoromethane	3.584	101	66515	0.472	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.086	101	48100	0.461	ppbv	98
13) Ethanol	3.272	45	2731m	0.722	ppbv	
14) Bromoethene	3.388	108	19935	0.468	ppbv	98
15) Acetone	3.504	43	54512	0.504	ppbv	93
16) 1,3-Butadiene	3.005	39	27243m	0.483	ppbv	
17) tert-Butyl alcohol	3.915	59	40912m	0.443	ppbv	
18) 1,1-Dichloroethene	3.899	96	20811m	0.443	ppbv	
19) Isopropyl Alcohol	3.616	45	21994m	0.418	ppbv	
20) Methylene Chloride	3.957	84	28902	0.658	ppbv #	90
21) Allyl Chloride	4.018	41	25927	0.369	ppbv #	69
22) trans-1,2-Dichloroethene	4.462	96	20388m	0.436	ppbv	
23) Vinyl Acetate	4.645	43	24220m	0.471	ppbv	
24) 1,1-Dichloroethane	4.584	63	47962m	0.504	ppbv	
25) Ethyl Acetate	5.234	43	93460m	0.404	ppbv	
26) Hexane	5.230	57	41076	0.435	ppbv	90
27) Carbon Disulfide	4.144	76	32162	0.319	ppbv #	84
28) Methyl tert-Butyl Ether	4.623	73	33248m	0.408	ppbv	
29) Chloroform	5.285	83	65143	0.441	ppbv	90
30) Cyclohexane	6.616	84	26360m	0.337	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	35547	0.389	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	53073	0.408	ppbv	92
34) 2-Butanone	4.822	43	50548	0.386	ppbv #	89
35) Carbon Tetrachloride	6.504	117	55795	0.392	ppbv	97
36) Benzene	6.381	78	76538m	0.381	ppbv	
37) 1,2-Dichloroethane	5.819	62	49092m	0.444	ppbv	
38) Trichloroethene	7.301	130	42773	0.398	ppbv #	90
39) 1,2-Dichloropropane	7.086	63	32213m	0.427	ppbv	
40) 1,4-Dioxane	7.336	88	10155m	0.344	ppbv	
41) Tetrahydrofuran	5.600	42	27474m	0.351	ppbv	
42) Bromodichloromethane	7.262	83	54378	0.359	ppbv	97
43) Methyl Methacrylate	7.494	69	22981m	0.318	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	129337	0.382	ppbv #	90
45) t-1,3-Dichloropropene	8.713	75	14298m	0.227	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 27 00:02:39 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

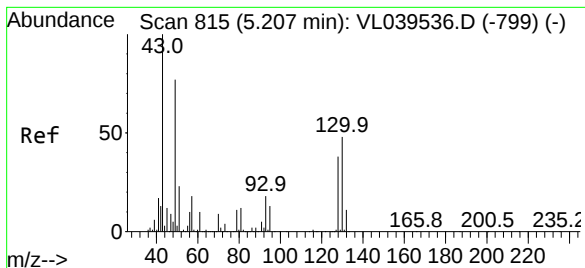
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 27 00:02:39 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

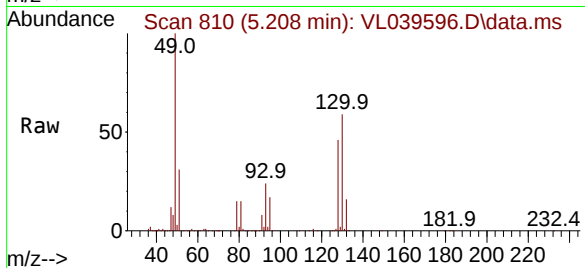
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	23874m	0.273	ppbv	
47) 1,1,2-Trichloroethane	8.915	97	36579m	0.424	ppbv	
48) Dibromochloromethane	9.716	129	42445m	0.334	ppbv	
49) Bromoform	12.410	173	29344	0.279	ppbv	88
50) 4-Methyl-2-Pentanone	8.214	43	57369	0.281	ppbv	97
51) 2-Hexanone	9.587	43	43318m	0.289	ppbv	
52) Tetrachloroethene	10.626	164	32606m	0.429	ppbv	
53) Toluene	9.227	91	69473m	0.309	ppbv	
54) 1,2-Dibromoethane	10.024	107	36342m	0.377	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	41639m	0.437	ppbv	
57) Chlorobenzene	11.532	112	81063	0.463	ppbv #	96
58) Ethyl Benzene	12.098	91	93671m	0.348	ppbv	
59) m/p-Xylene	12.384	91	178551m	0.738	ppbv	
60) o-Xylene	13.069	91	78711	0.339	ppbv	96
61) Styrene	12.902	104	32900m	0.266	ppbv	
62) Isopropylbenzene	14.037	105	145384m	0.414	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.056	83	52971m	0.482	ppbv	
64) n-propylbenzene	14.931	120	34956m	0.383	ppbv	
65) tert-Butylbenzene	16.101	119	121446	0.389	ppbv	92
66) Benzyl Chloride	16.342	91	10770m	0.425	ppbv	
67) sec-Butylbenzene	16.641	105	174106m	0.394	ppbv	
69) p-Isopropyltoluene	17.002	119	129091m	0.352	ppbv	
70) n-Butylbenzene	17.895	91	137567m	0.377	ppbv	
71) 2-Chlorotoluene	14.809	91	92151	0.363	ppbv	99
72) 4-Ethyltoluene	15.204	105	88526	0.326	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.359	105	87485	0.353	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	103876	0.376	ppbv #	93
75) 1,3-Dichlorobenzene	16.339	146	70767	0.421	ppbv	93
76) 1,4-Dichlorobenzene	16.484	146	73921m	0.442	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	74947m	0.456	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	64750m	0.494	ppbv	
79) Naphthalene	21.390	128	62570m	0.318	ppbv	
80) Naphthalene,2-methyl-	24.384	142	10212	0.128	ppbv #	77
81) 1,2,4-Trichlorobenzene	21.156	180	46033m	0.350	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039596.D
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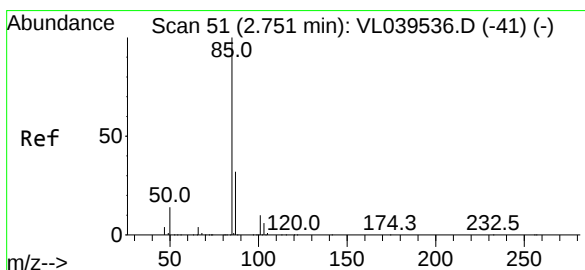
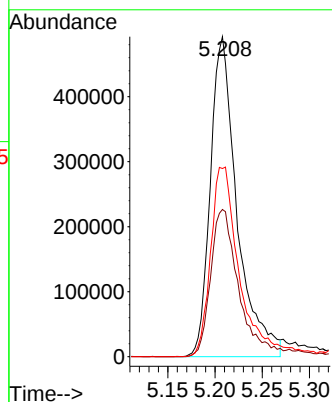
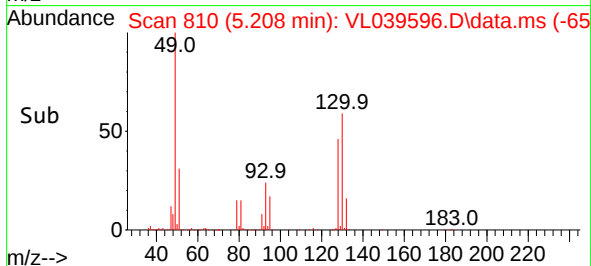
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 49 Resp: 965530
Ion Ratio Lower Upper
49 100
128 51.9 26.7 80.0
130 67.4 34.3 102.8

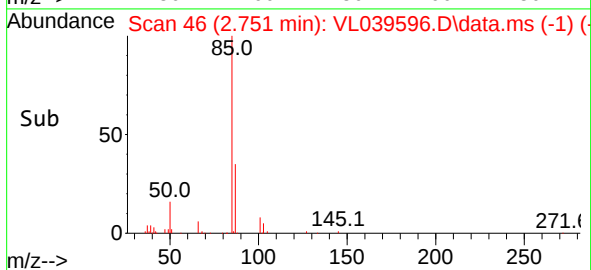
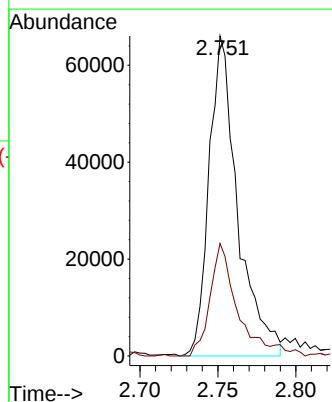
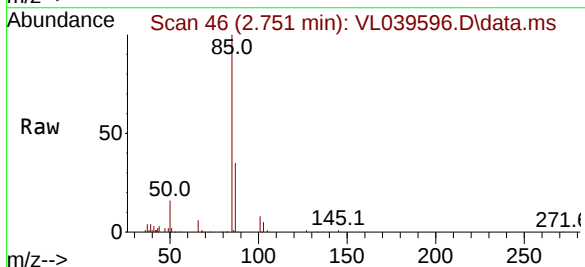
Manual Integrations
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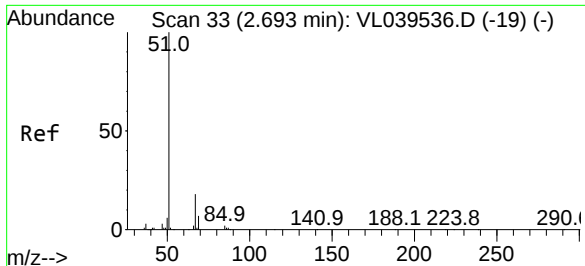
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#2
Dichlorodifluoromethane
Concen: 0.656 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

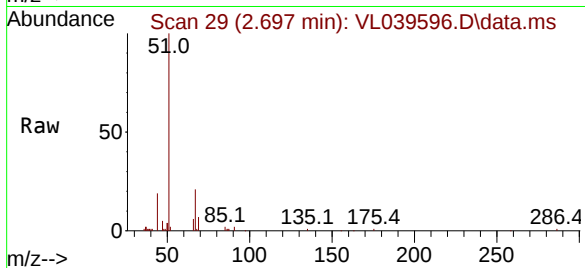
Tgt Ion: 85 Resp: 84342
Ion Ratio Lower Upper
85 100
87 35.1 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.493 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

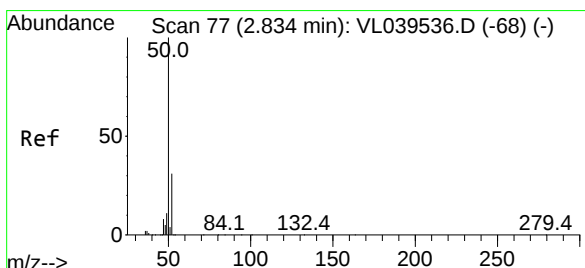
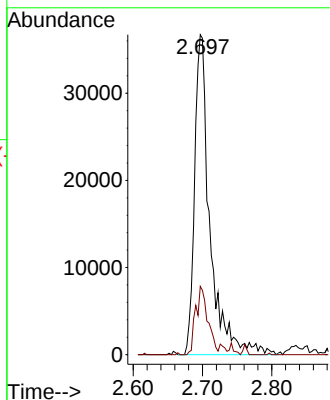
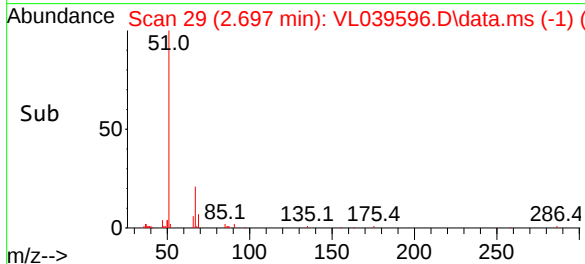
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



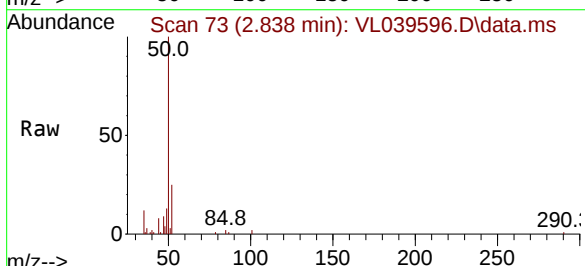
Tgt Ion: 51 Resp: 5668
Ion Ratio Lower Upper
51 100
67 18.1 15.7 23.5

Manual Integrations
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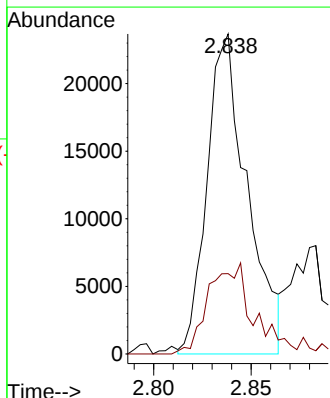
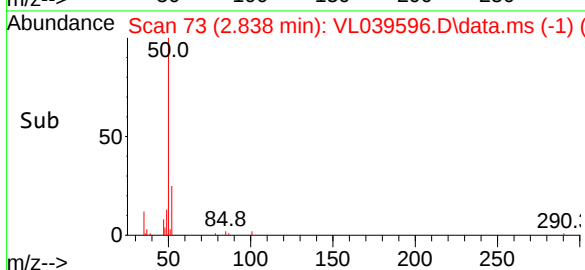
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

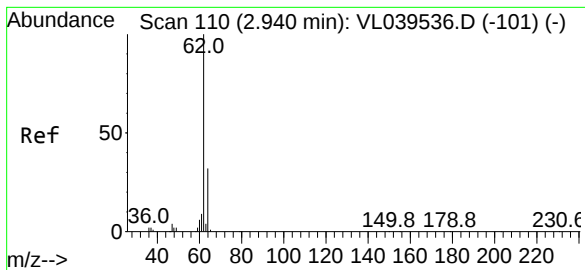


#4
Chloromethane
Concen: 0.489 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



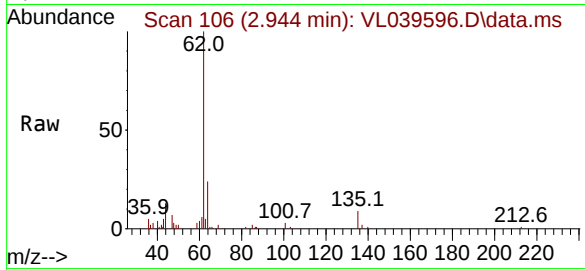
Tgt Ion: 50 Resp: 33886
Ion Ratio Lower Upper
50 100
52 24.5 26.5 39.7





#5
 Vinyl Chloride
 Concen: 0.459 ppbv m
 RT: 2.944 min Scan# 106
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

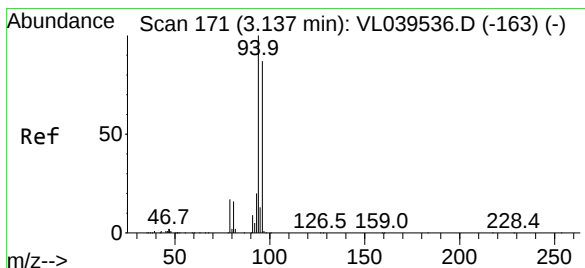
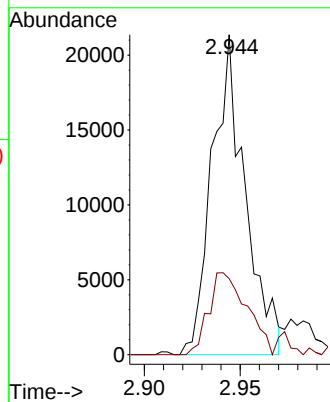
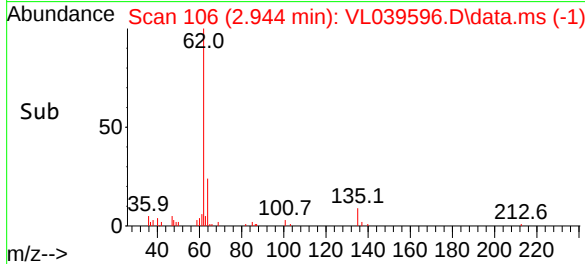
Instrument : MSVOA_L
 ClientSampleId : MDL-AIR-03-QT3-2022



Tgt Ion: 62 Resp: 2565
 Ion Ratio Lower Upper
 62 100
 64 23.8 24.6 36.8

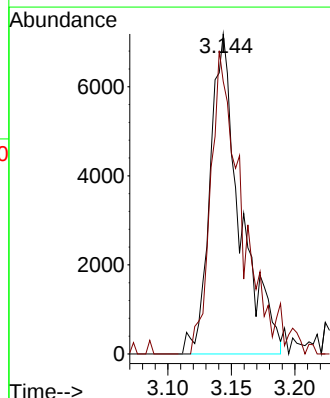
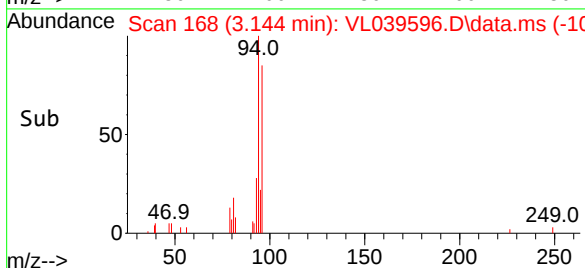
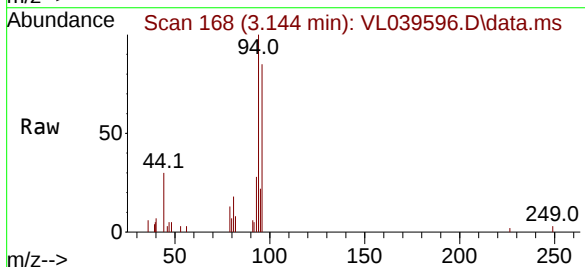
Manual Integrations
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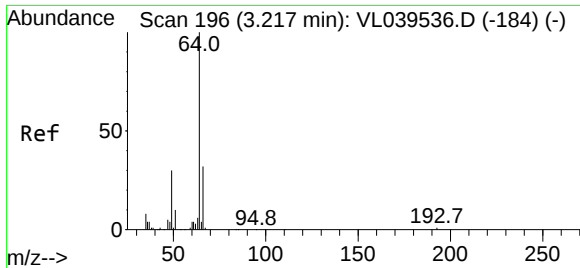
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#6
 Bromomethane
 Concen: 0.499 ppbv m
 RT: 3.144 min Scan# 168
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

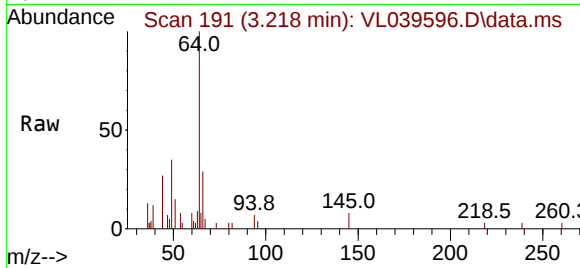
Tgt Ion: 94 Resp: 11836
 Ion Ratio Lower Upper
 94 100
 96 85.1 75.6 113.4





#7
Chloroethane
Concen: 0.493 ppbv m
RT: 3.218 min Scan# 196
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

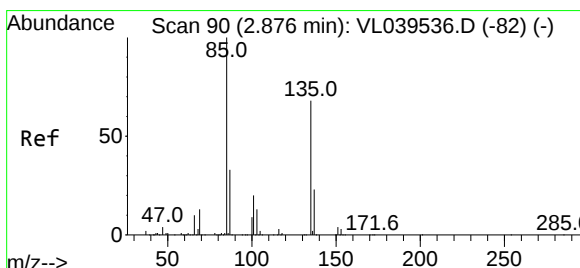
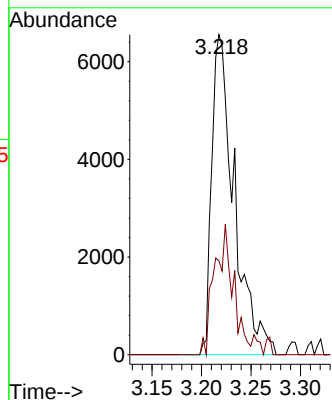
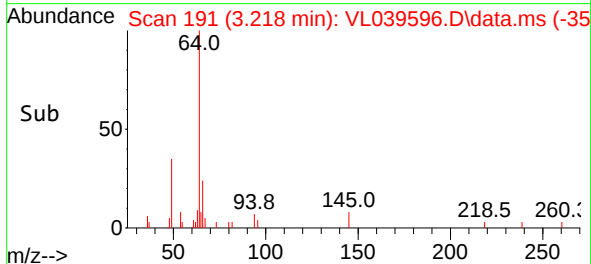
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



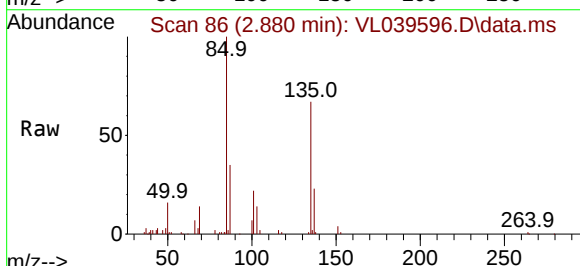
Tgt Ion: 64 Resp: 10335
Ion Ratio Lower Upper
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66 29.4 24.7 37.1

Manual Integrations
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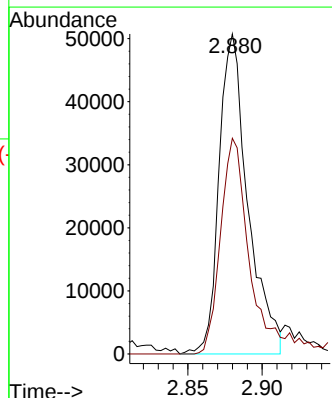
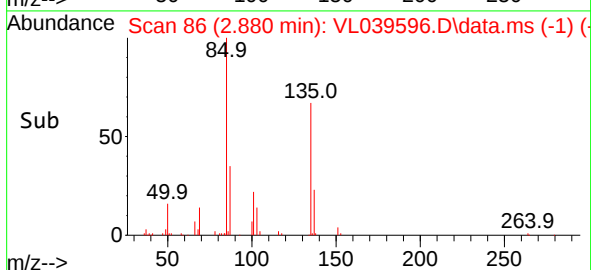
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

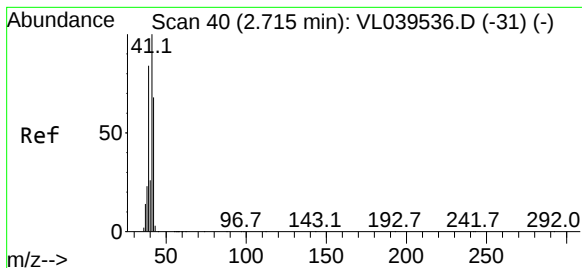


#8
Dichlorotetrafluoroethane
Concen: 0.499 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



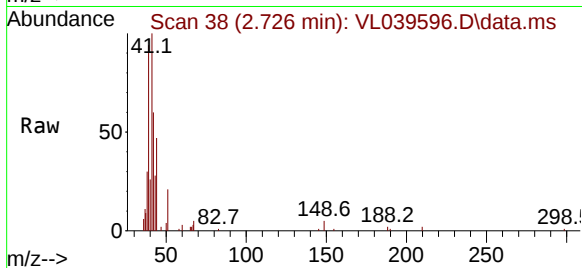
Tgt Ion: 85 Resp: 68563
Ion Ratio Lower Upper
85 100
135 72.9 59.0 88.4





#9
Propene
Concen: 0.509 ppbv m
RT: 2.726 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

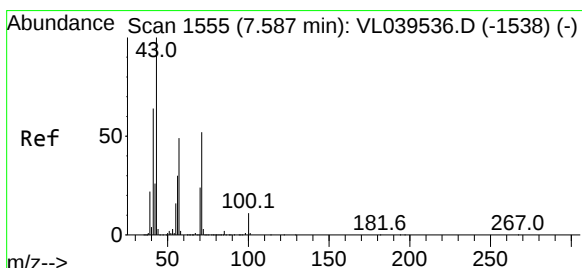
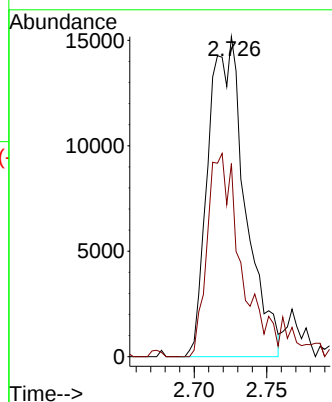
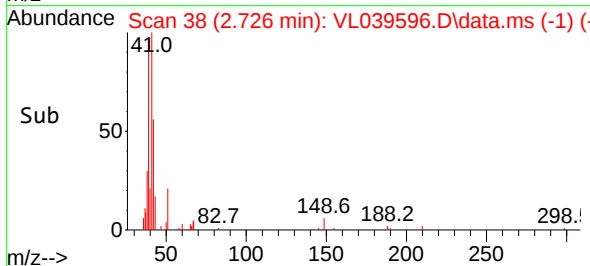
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 41 Resp: 26815
Ion Ratio Lower Upper
41 100
42 64.1 55.2 82.8

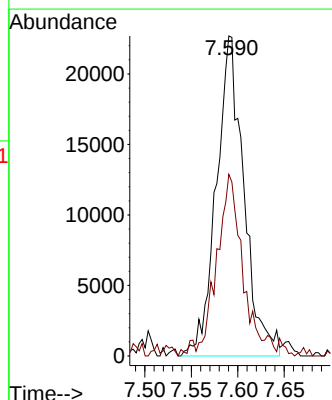
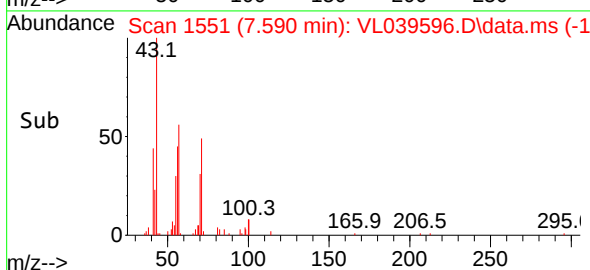
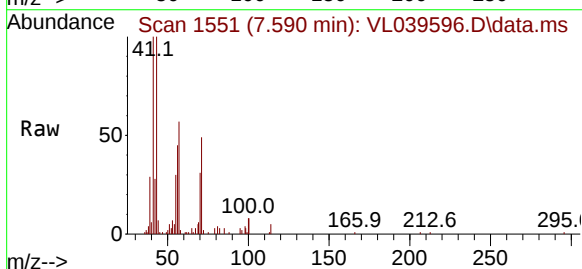
Manual Integrations
APPROVED

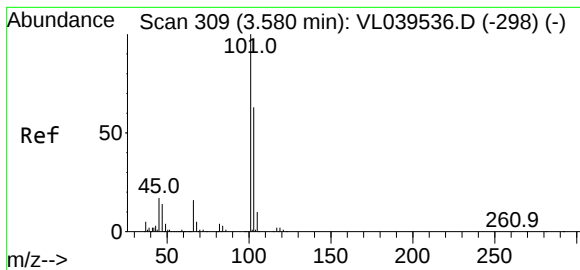
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#10
Heptane
Concen: 0.384 ppbv m
RT: 7.590 min Scan# 1551
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

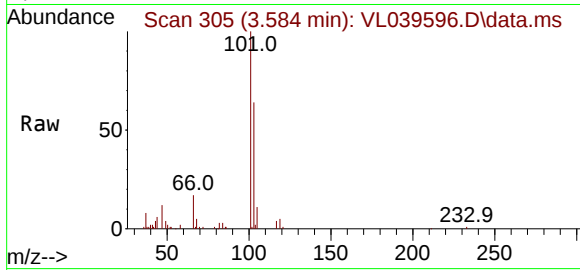
Tgt Ion: 43 Resp: 46767
Ion Ratio Lower Upper
43 100
57 52.1 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.472 ppbv
RT: 3.584 min Scan# 309
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

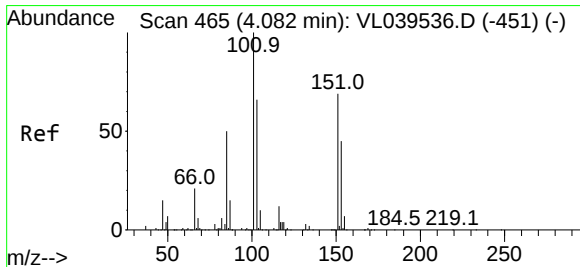
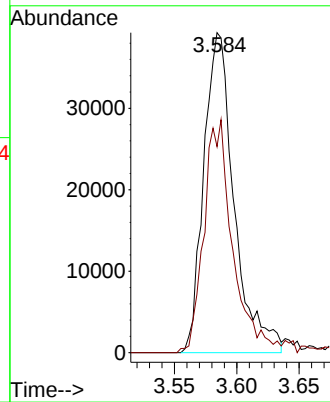
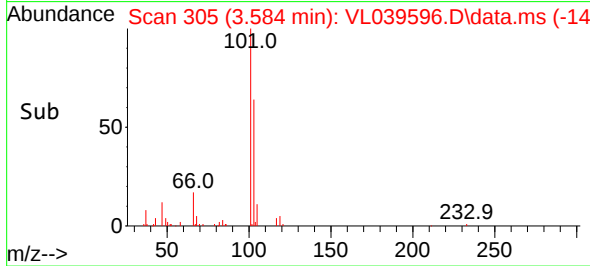
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion:101 Resp: 6651
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.8

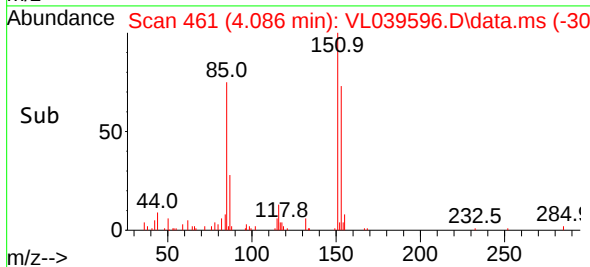
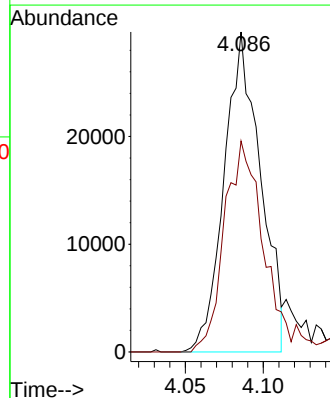
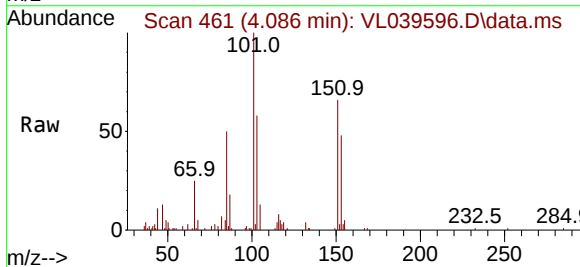
Manual Integrations
APPROVED

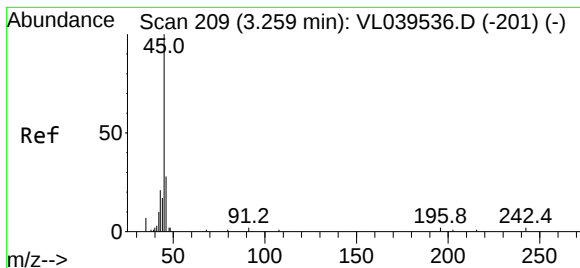
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.461 ppbv
RT: 4.086 min Scan# 461
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

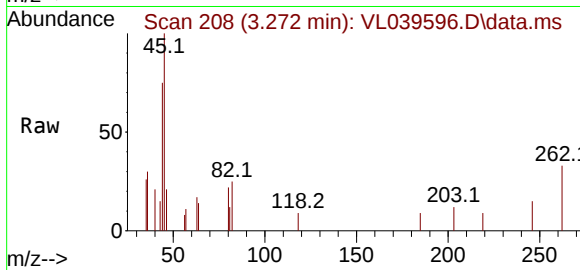
Tgt Ion:101 Resp: 48100
Ion Ratio Lower Upper
101 100
151 75.0 58.9 88.3





#13
Ethanol
Concen: 0.722 ppbv m
RT: 3.272 min Scan# 209
Delta R.T. 0.013 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

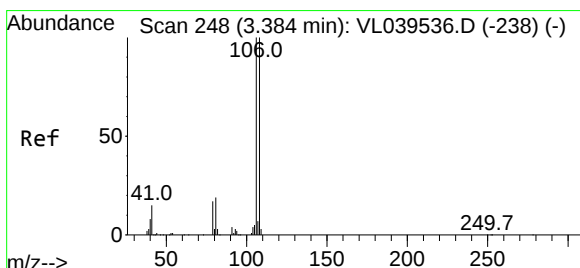
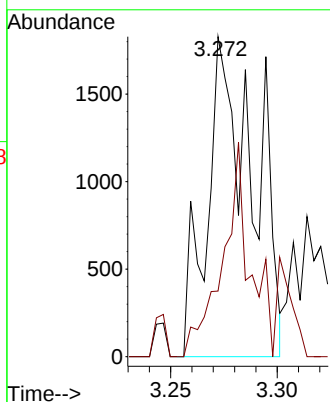
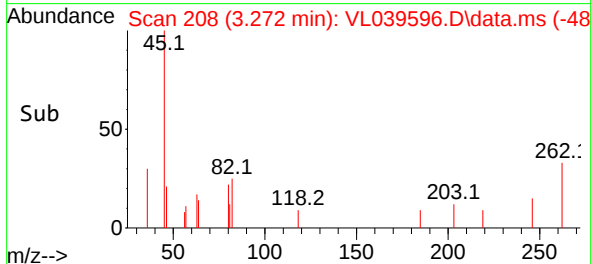
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 45 Resp: 273
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2

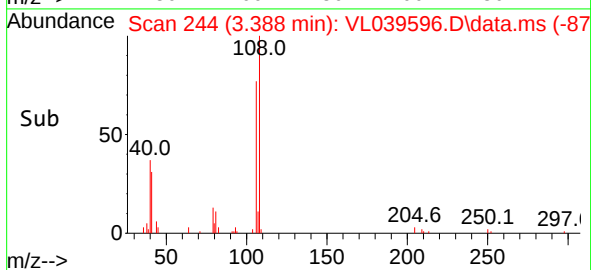
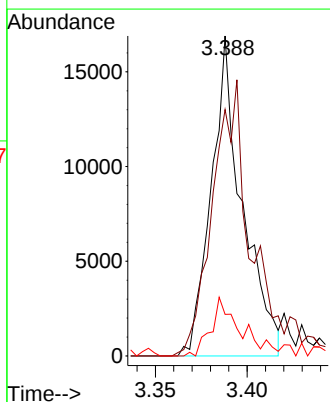
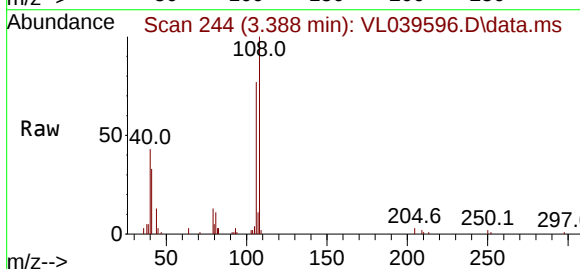
Manual Integrations
APPROVED

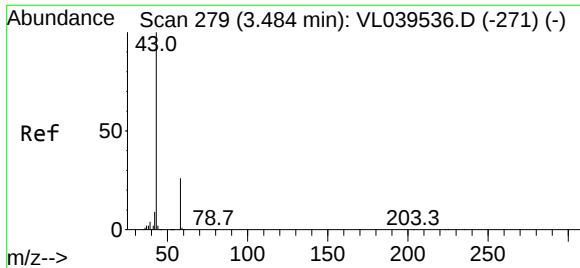
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#14
Bromoethene
Concen: 0.468 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:108 Resp: 19935
Ion Ratio Lower Upper
108 100
106 110.3 87.1 130.7
79 21.3 14.6 22.0





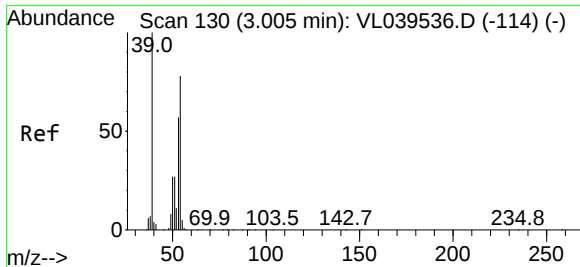
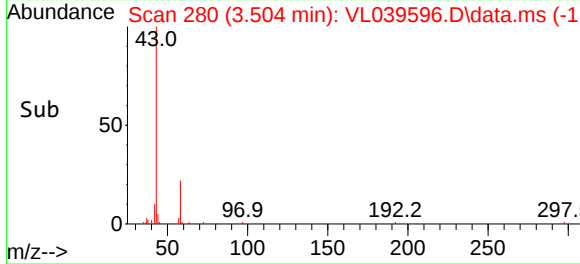
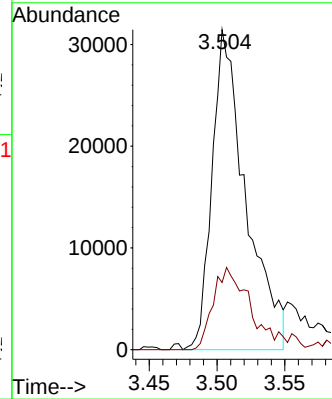
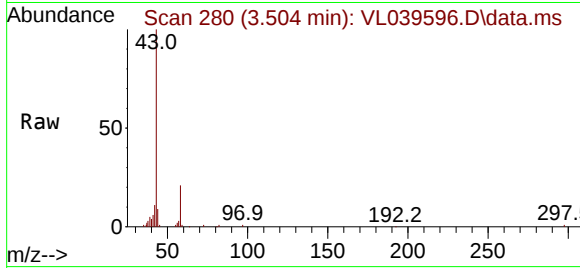
#15
Acetone
Concen: 0.504 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 54512
Ion Ratio Lower Upper
43 100
58 30.0 21.0 31.6

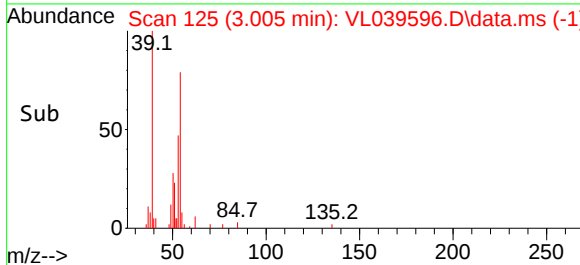
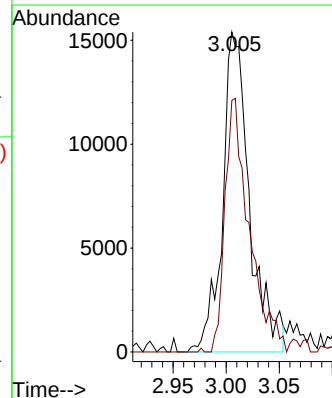
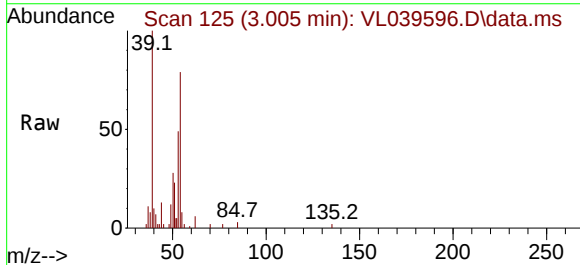
Manual Integrations
APPROVED

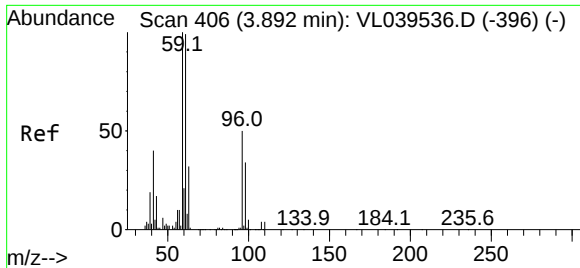
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#16
1,3-Butadiene
Concen: 0.483 ppbv m
RT: 3.005 min Scan# 125
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

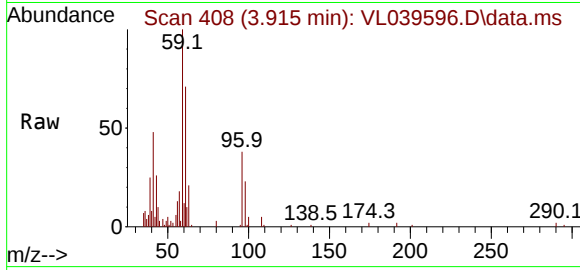
Tgt Ion: 39 Resp: 27243
Ion Ratio Lower Upper
39 100
54 73.3 63.7 95.5





#17
tert-Butyl alcohol
Concen: 0.443 ppbv m
RT: 3.915 min Scan# 408
Delta R.T. 0.023 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

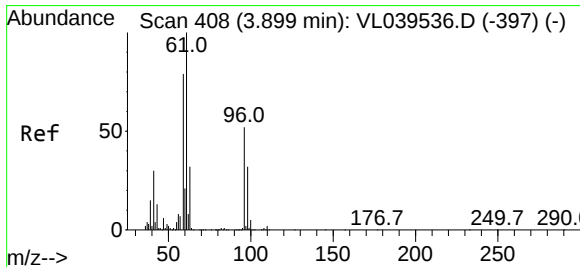
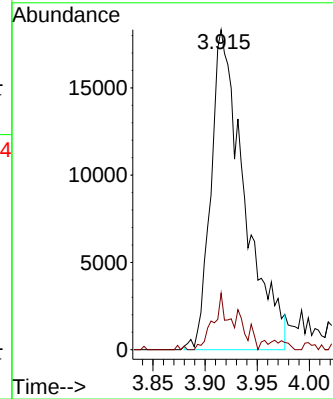
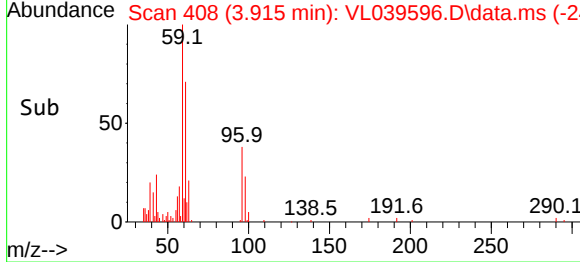
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2022



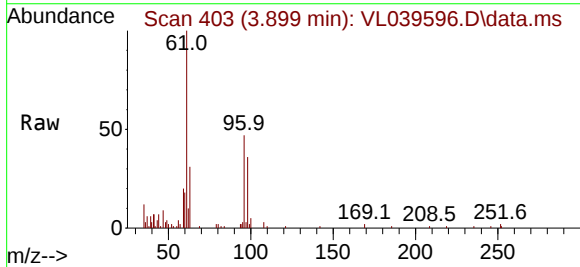
Tgt Ion: 59 Resp: 40912
Ion Ratio Lower Upper
59 100
57 11.8 8.7 13.1

Manual Integrations
APPROVED

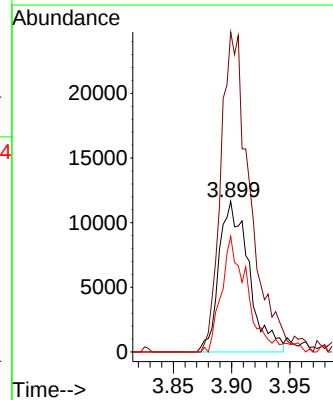
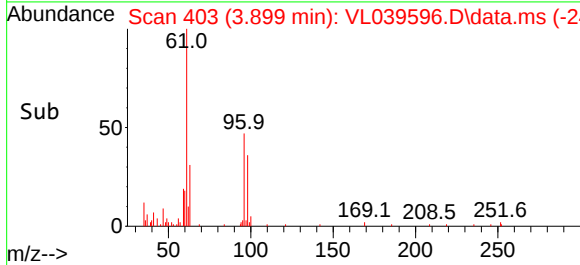
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

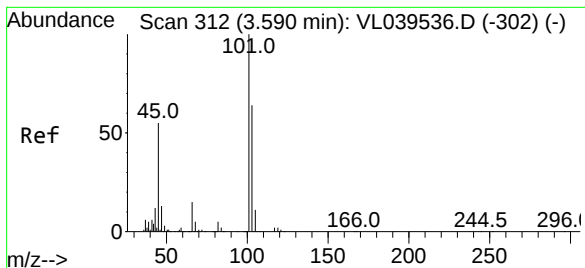


#18
1,1-Dichloroethene
Concen: 0.443 ppbv m
RT: 3.899 min Scan# 403
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



Tgt Ion: 96 Resp: 20811
Ion Ratio Lower Upper
96 100
61 212.6 152.2 228.4
98 76.7 51.8 77.6





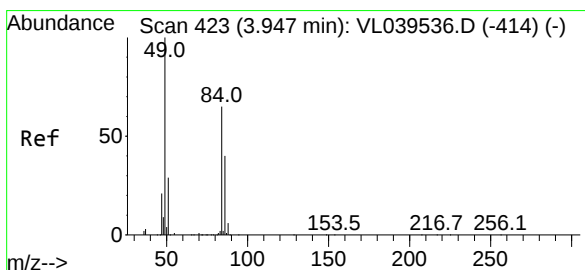
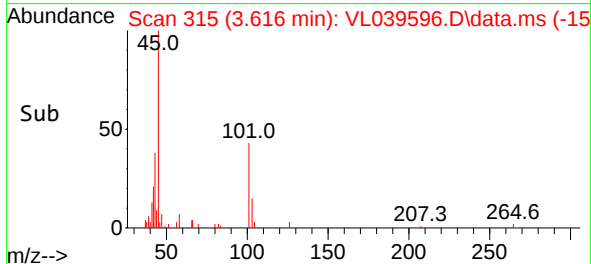
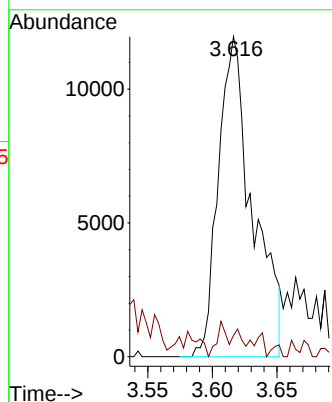
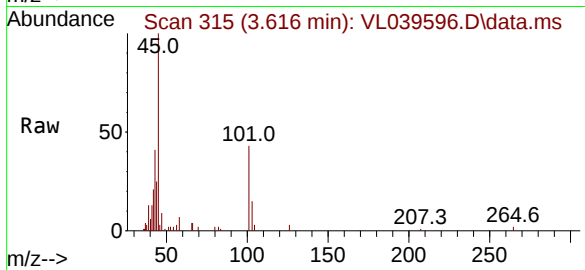
#19
Isopropyl Alcohol
Concen: 0.418 ppbv
RT: 3.616 min Scan# 315
Delta R.T. 0.026 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 45 Resp: 21994
Ion Ratio Lower Upper
45 100
58 10.3 3.2 4.8

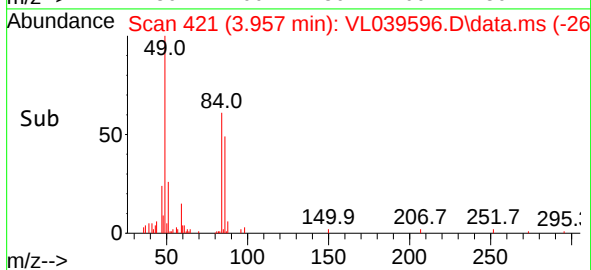
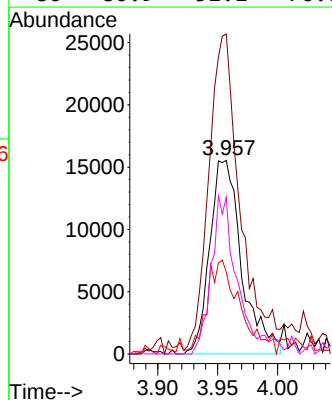
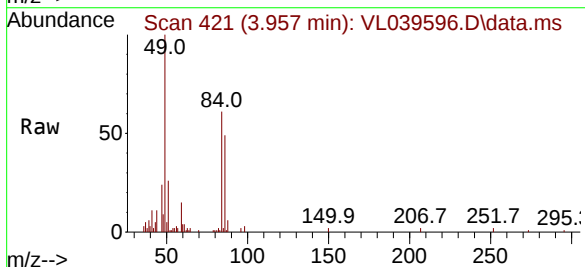
Manual Integrations
APPROVED

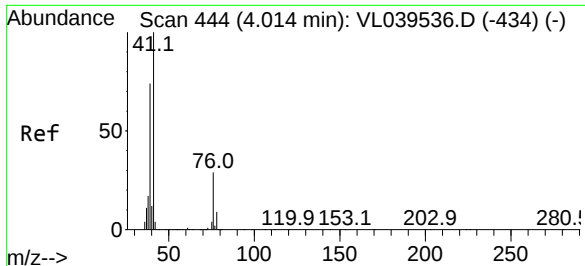
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#20
Methylene Chloride
Concen: 0.658 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

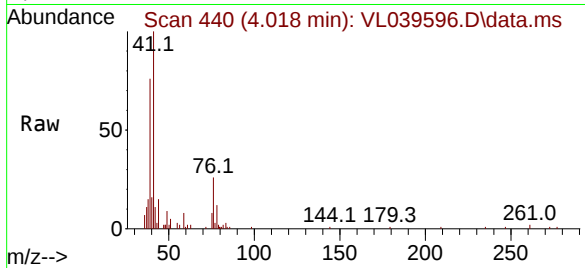
Tgt Ion: 84 Resp: 28902
Ion Ratio Lower Upper
84 100
49 159.5 123.1 184.7
51 34.4 34.4 51.6#
86 80.9 51.1 76.7#





#21
 Allyl Chloride
 Concen: 0.369 ppbv
 RT: 4.018 min Scan# 444
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

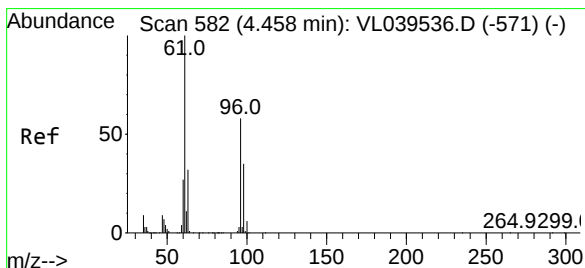
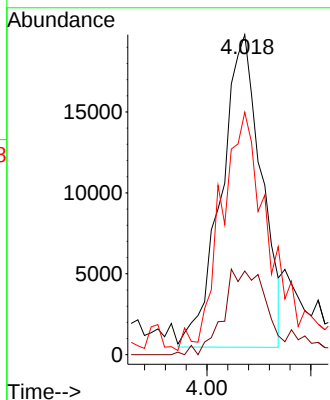
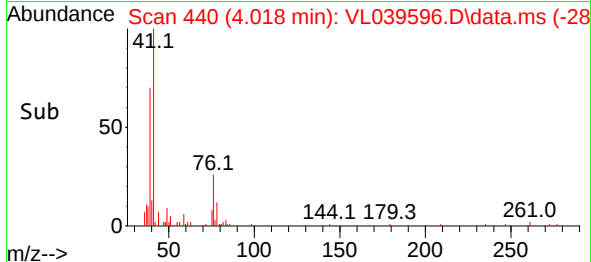
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion: 41	Resp: 2592
Ion Ratio	Lower Upper
41	100
76	34.5 24.4 36.6
39	114.7 63.5 95.3

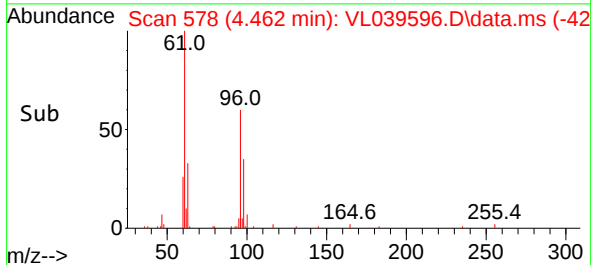
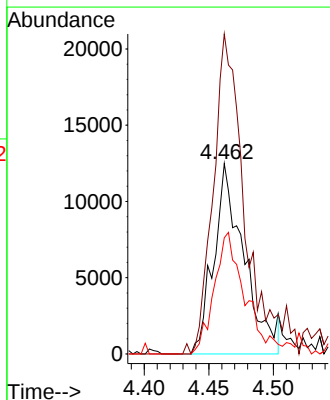
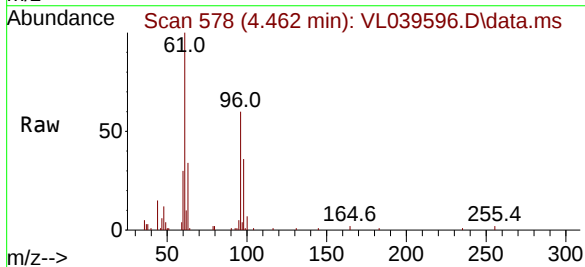
Manual Integrations
 APPROVED

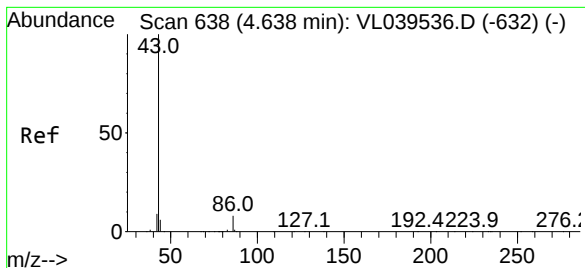
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#22
 trans-1,2-Dichloroethene
 Concen: 0.436 ppbv m
 RT: 4.462 min Scan# 578
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

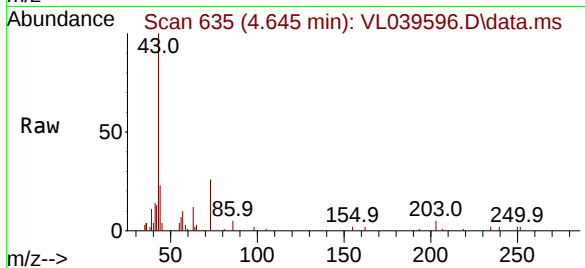
Tgt Ion: 96	Resp: 20388
Ion Ratio	Lower Upper
96	100
61	168.1 130.6 195.8
98	61.0 53.4 80.0





#23
 Vinyl Acetate
 Concen: 0.471 ppbv m
 RT: 4.645 min Scan# 611
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

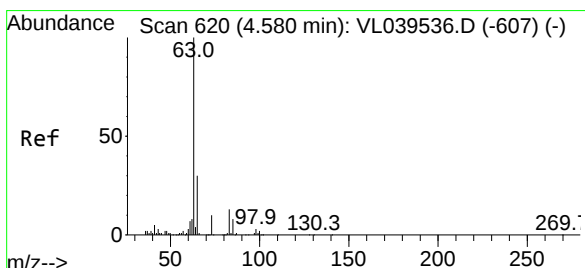
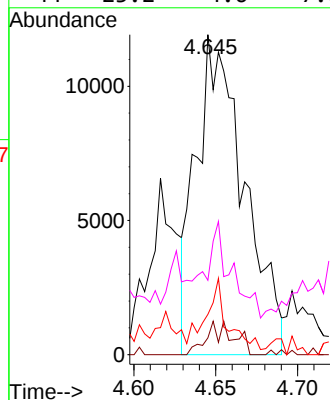
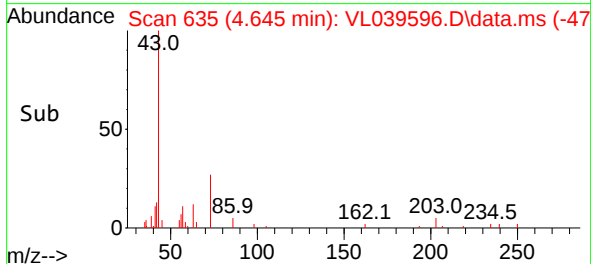
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



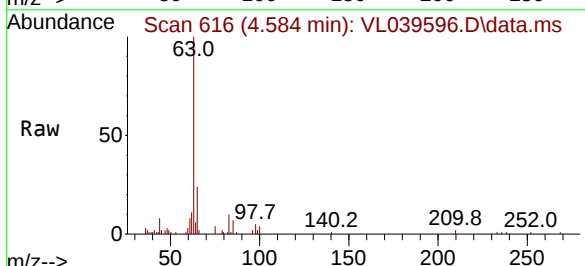
Tgt Ion: 43 Resp: 24220
 Ion Ratio Lower Upper
 43 100
 86 5.2 5.0 7.6
 42 12.6 7.7 11.5
 44 23.2 4.6 7.0#

Manual Integrations
 APPROVED

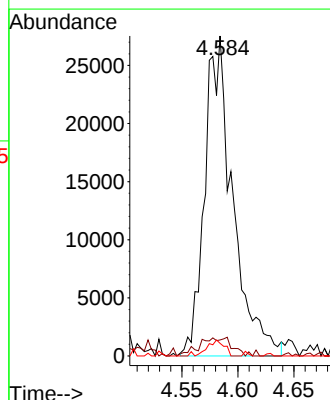
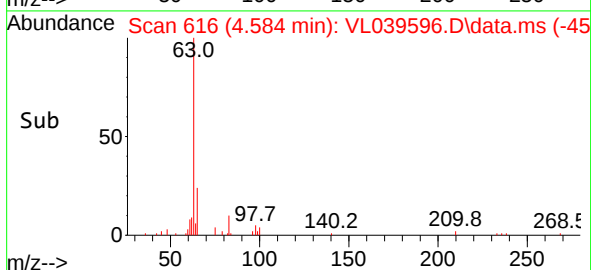
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

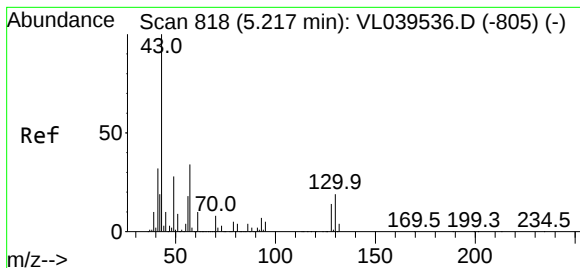


#24
 1,1-Dichloroethane
 Concen: 0.504 ppbv m
 RT: 4.584 min Scan# 616
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42



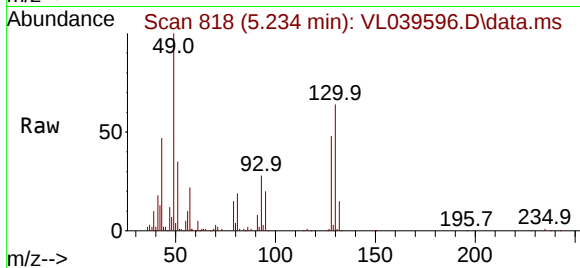
Tgt Ion: 63 Resp: 47962
 Ion Ratio Lower Upper
 63 100
 98 5.0 1.8 5.3
 100 3.9 1.5 4.4





#25
Ethyl Acetate
Concen: 0.404 ppbv m
RT: 5.234 min Scan# 817
Delta R.T. 0.017 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

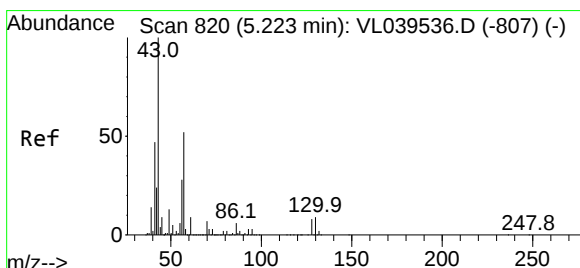
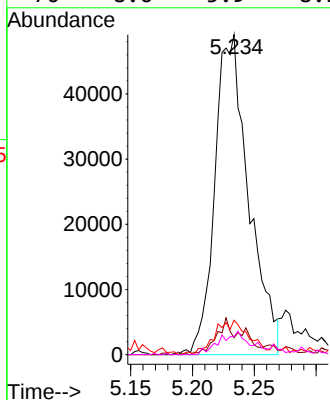
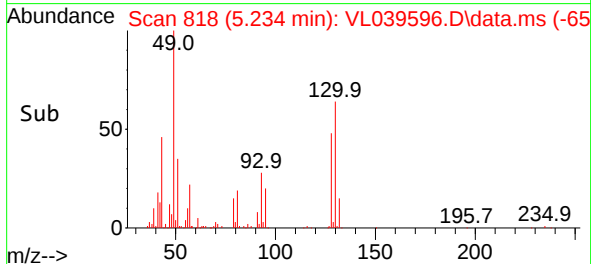


Tgt Ion: 43 Resp: 93460

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4
61	13.9	8.3	12.5
70	8.6	5.9	8.9

Manual Integrations
APPROVED

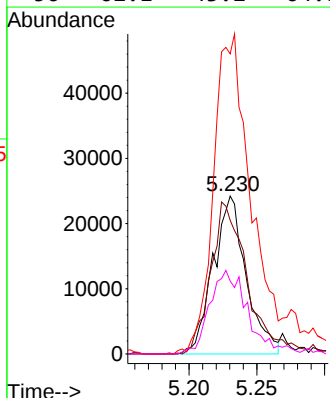
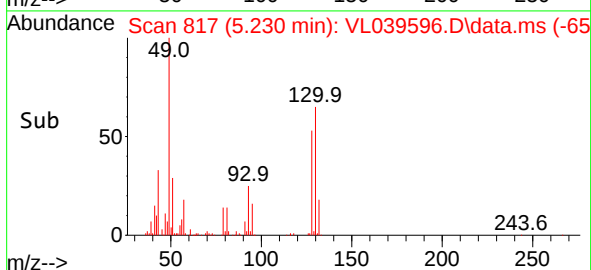
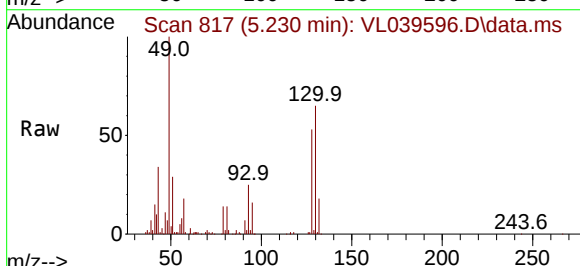
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

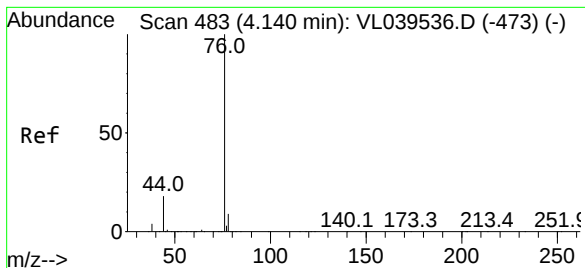


#26
Hexane
Concen: 0.435 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 57 Resp: 41076

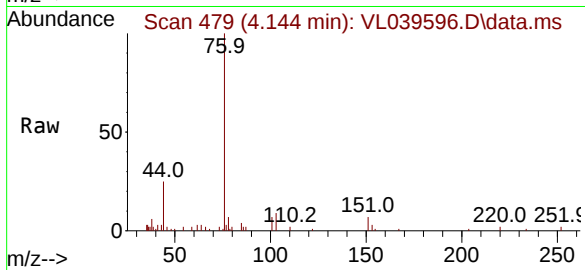
Ion	Ratio	Lower	Upper
57	100		
41	109.6	76.9	115.3
43	251.6	191.0	286.6
56	62.1	43.2	64.8





#27
Carbon Disulfide
Concen: 0.319 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

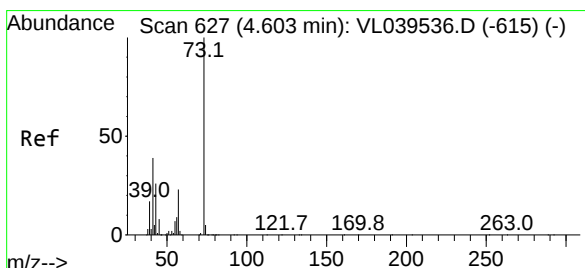
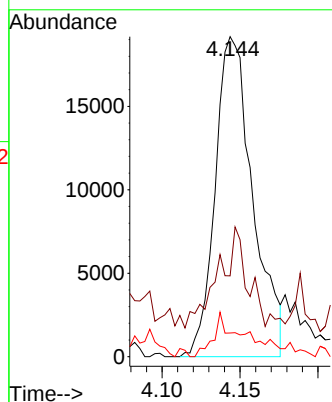
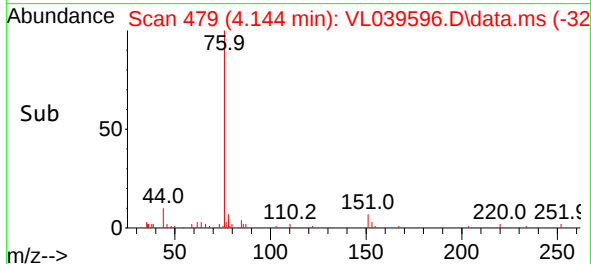
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 76 Resp: 3216
Ion Ratio Lower Upper
76 100
44 26.8 14.6 21.8
78 12.8 7.8 11.6

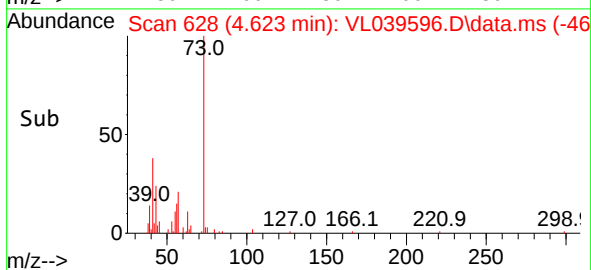
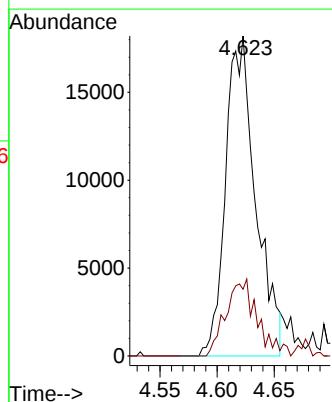
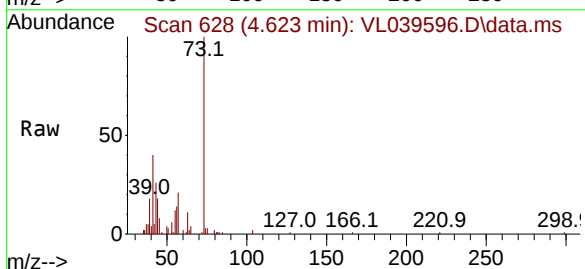
Manual Integrations
APPROVED

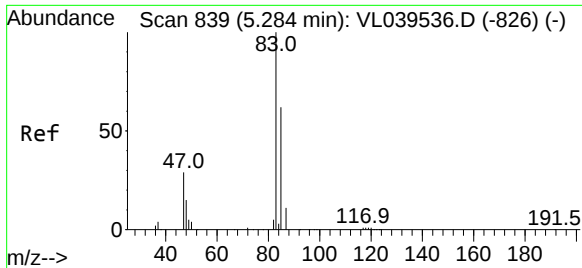
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#28
Methyl tert-Butyl Ether
Concen: 0.408 ppbv m
RT: 4.623 min Scan# 628
Delta R.T. 0.020 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

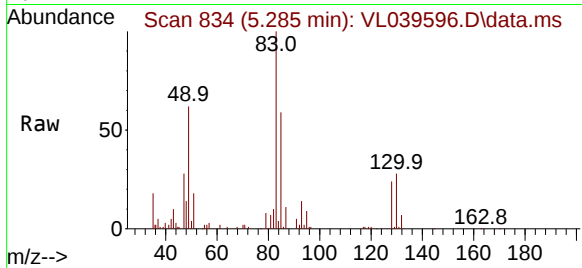
Tgt Ion: 73 Resp: 33248
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8





#29
Chloroform
Concen: 0.441 ppbv
RT: 5.285 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

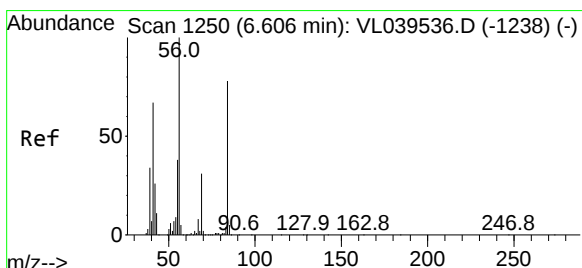
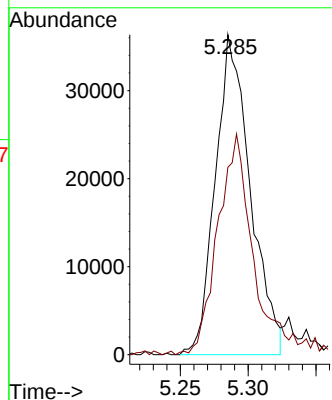
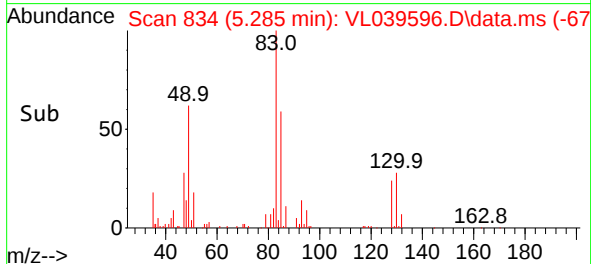
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 83 Resp: 6514
Ion Ratio Lower Upper
83 100
85 57.8 52.8 79.2

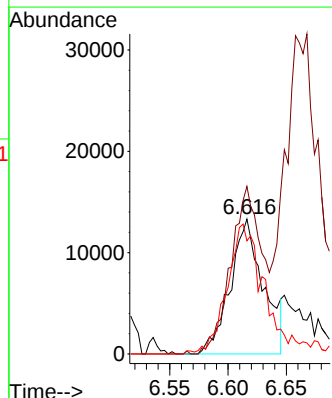
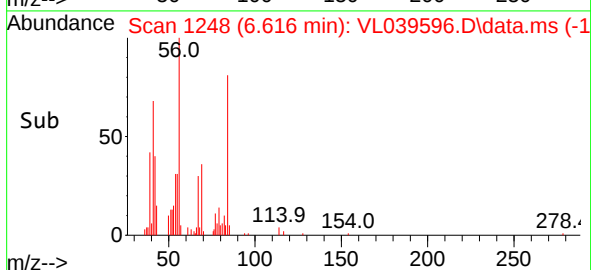
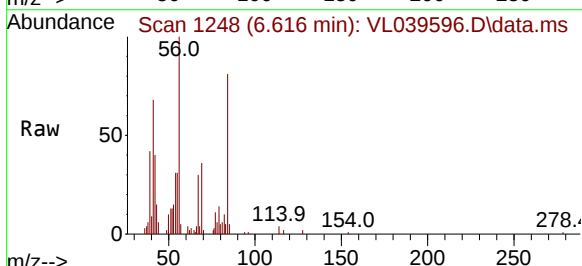
Manual Integrations
APPROVED

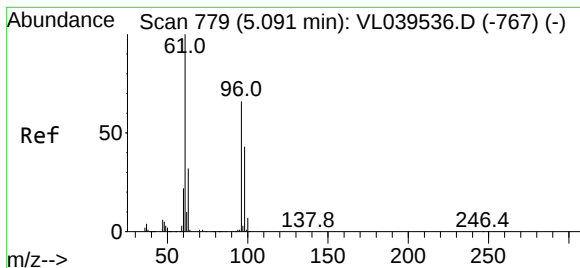
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#30
Cyclohexane
Concen: 0.337 ppbv m
RT: 6.616 min Scan# 1248
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 84 Resp: 26360
Ion Ratio Lower Upper
84 100
56 121.7 107.7 161.5
41 113.9 67.7 101.5#





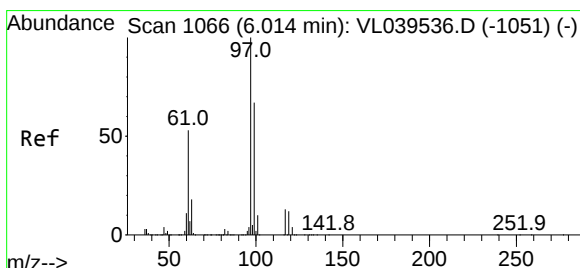
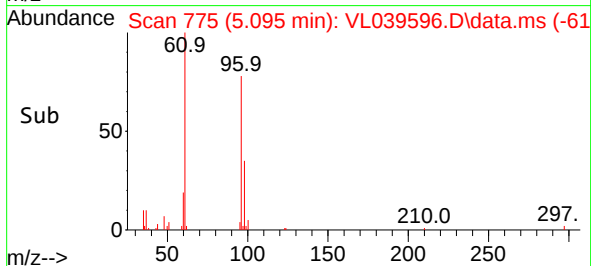
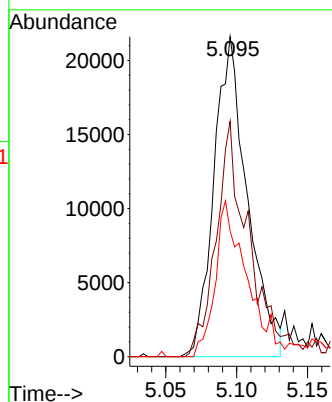
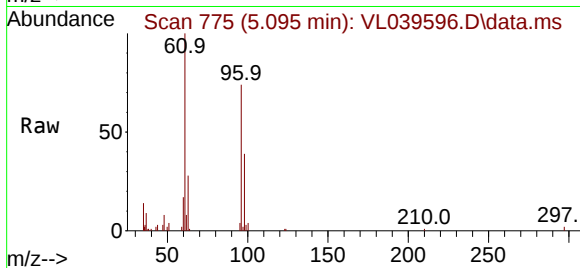
#31
 cis-1,2-Dichloroethene
 Concen: 0.389 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Tgt Ion: 61 Resp: 3554
 Ion Ratio Lower Upper
 61 100
 96 68.0 54.1 81.1
 98 36.3 34.6 52.0

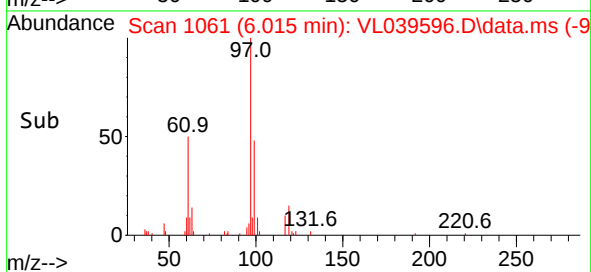
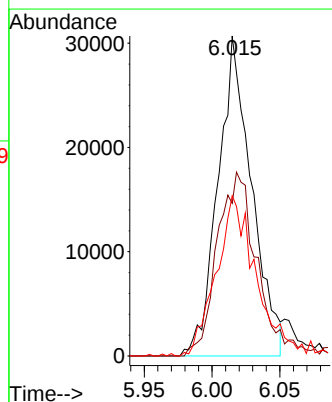
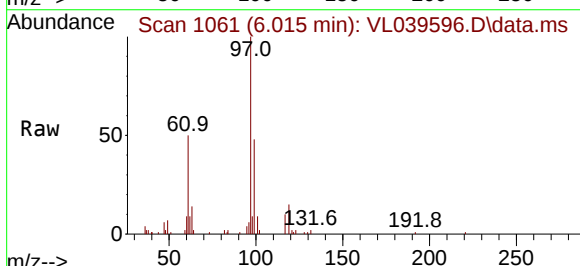
Manual Integrations
 APPROVED

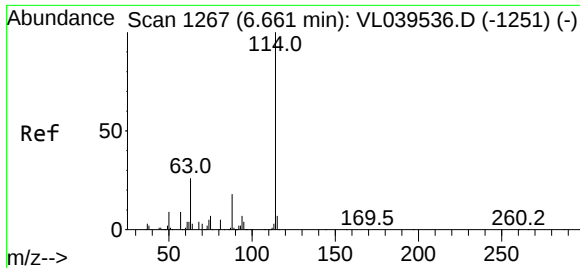
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.408 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.001 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

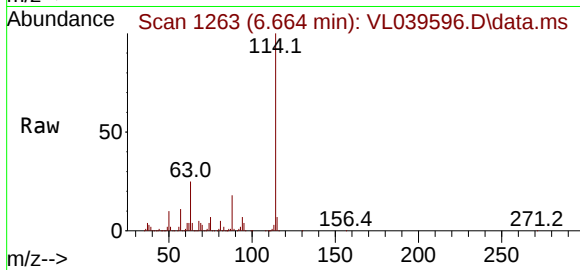
Tgt Ion: 97 Resp: 53073
 Ion Ratio Lower Upper
 97 100
 99 68.9 52.3 78.5
 61 60.4 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 114
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

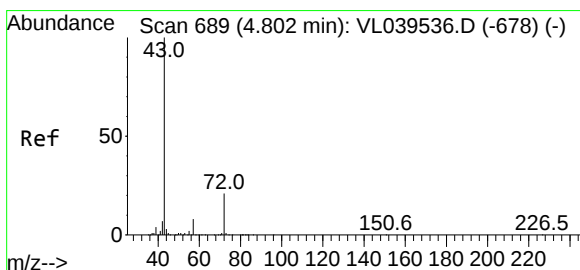
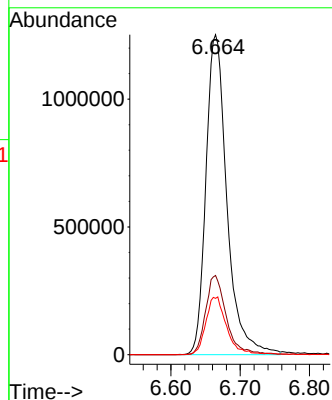
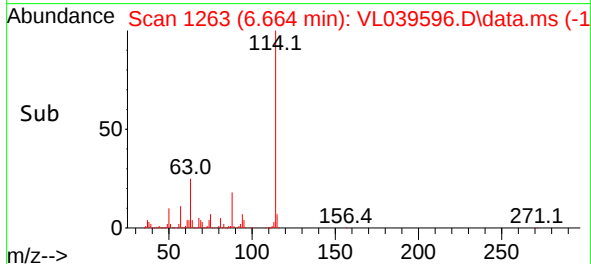
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 114 Resp: 263287
Ion Ratio Lower Upper
114 100
63 24.5 20.2 30.4
88 18.2 14.5 21.7

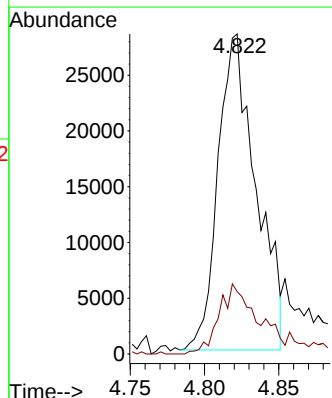
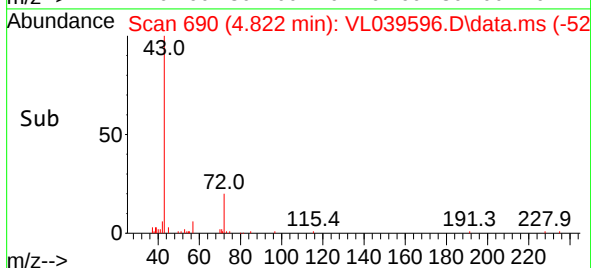
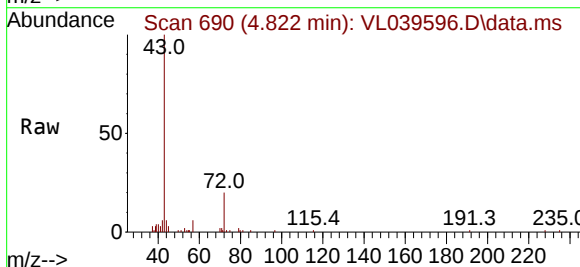
Manual Integrations
APPROVED

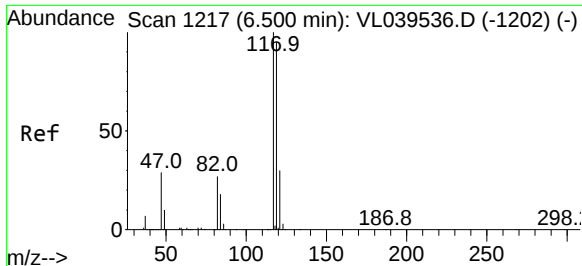
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#34
2-Butanone
Concen: 0.386 ppbv
RT: 4.822 min Scan# 690
Delta R.T. 0.020 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

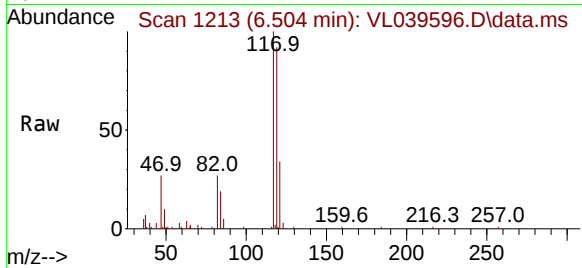
Tgt Ion: 43 Resp: 50548
Ion Ratio Lower Upper
43 100
72 27.8 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.392 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

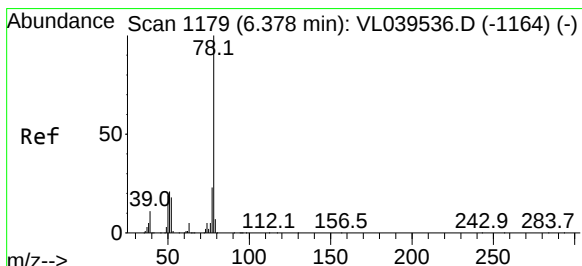
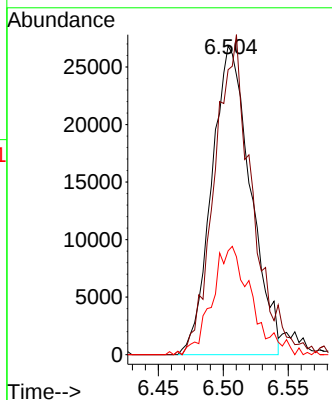
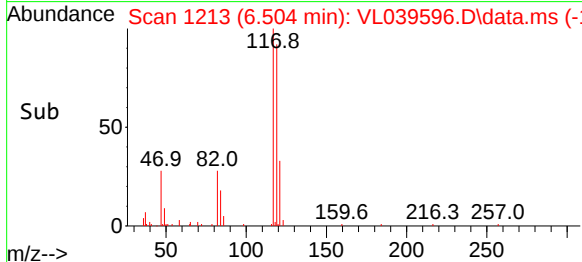
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



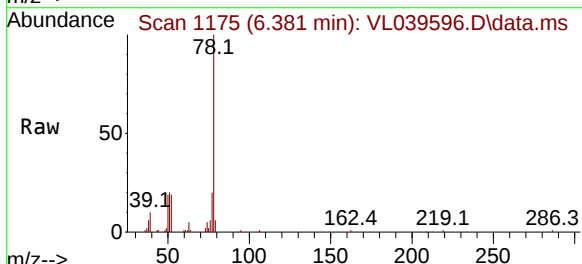
Tgt Ion: 117 Resp: 5579
Ion Ratio Lower Upper
117 100
119 91.2 75.4 113.2
121 32.5 24.2 36.2

Manual Integrations
APPROVED

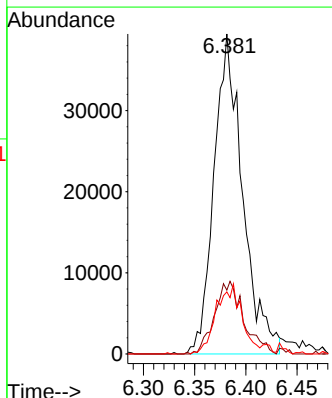
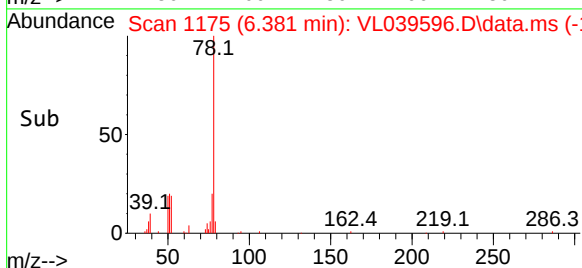
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

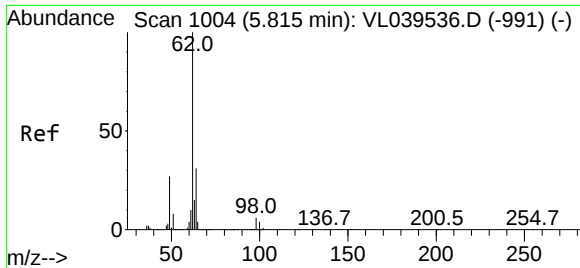


#36
Benzene
Concen: 0.381 ppbv m
RT: 6.381 min Scan# 1175
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



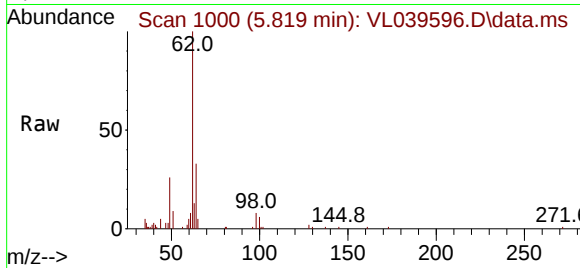
Tgt Ion: 78 Resp: 76538
Ion Ratio Lower Upper
78 100
77 20.0 20.3 30.5#
50 19.4 15.5 23.3





#37
1,2-Dichloroethane
Concen: 0.444 ppbv m
RT: 5.819 min Scan# 1000
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

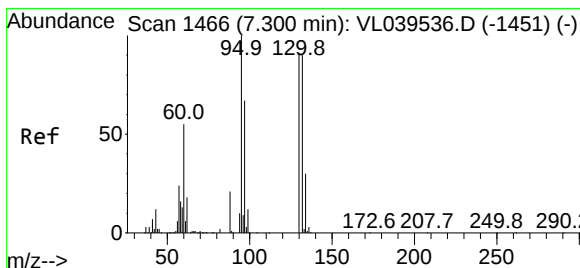
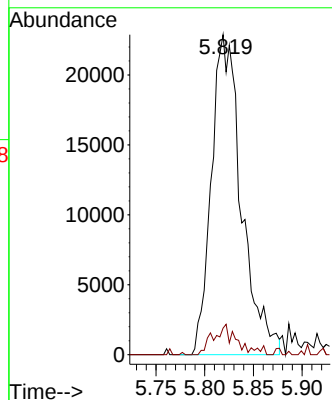
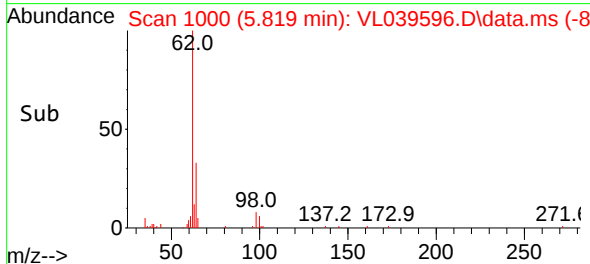
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 62 Resp: 49092
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7

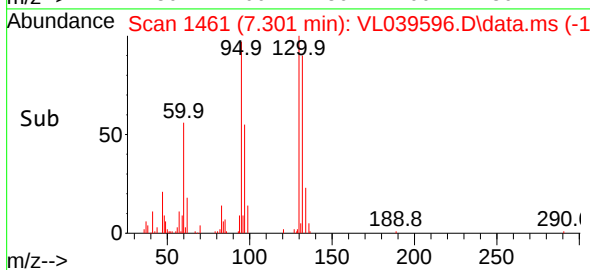
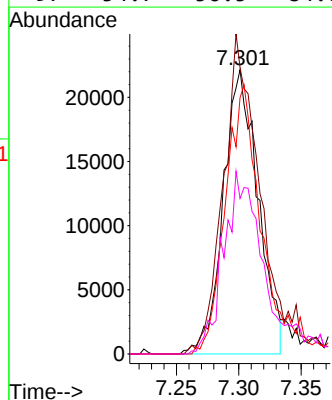
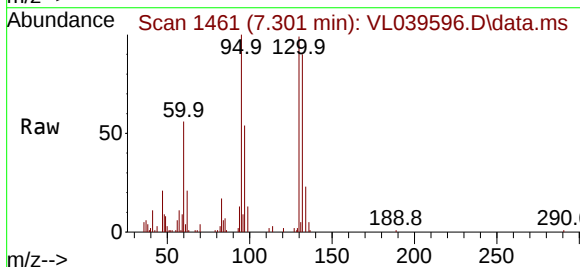
Manual Integrations
APPROVED

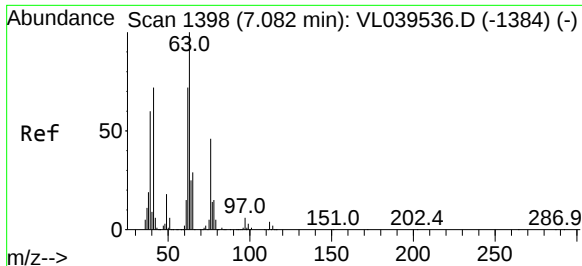
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#38
Trichloroethene
Concen: 0.398 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:130 Resp: 42773
Ion Ratio Lower Upper
130 100
95 100.8 87.3 130.9
132 90.2 76.7 115.1
97 54.7 56.5 84.7#





#39

1,2-Dichloropropane

Concen: 0.427 ppbv m

RT: 7.086 min Scan# 1

Delta R.T. 0.004 min

Lab File: VL039596.D

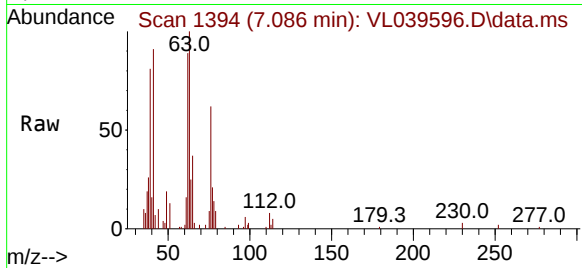
Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022



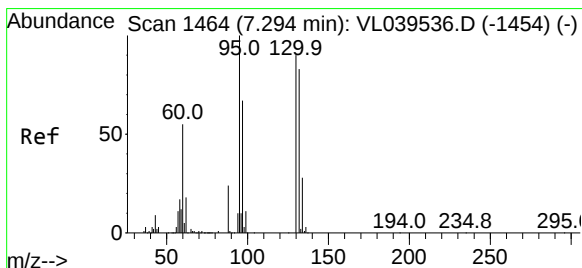
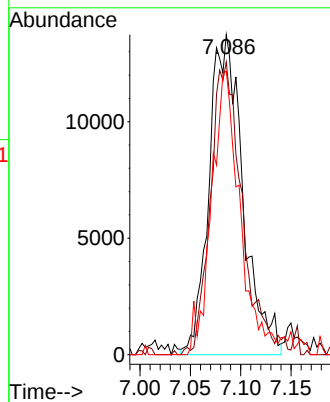
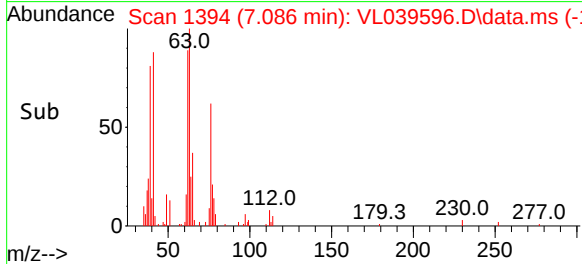
Tgt Ion: 63 Resp: 3221

Ion	Ratio	Lower	Upper
63	100		
41	91.5	59.6	89.4
62	88.6	51.4	77.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#40

1,4-Dioxane

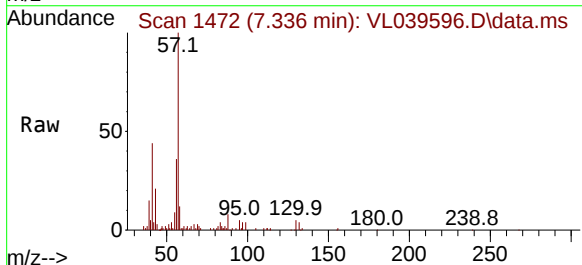
Concen: 0.344 ppbv m

RT: 7.336 min Scan# 1472

Delta R.T. 0.042 min

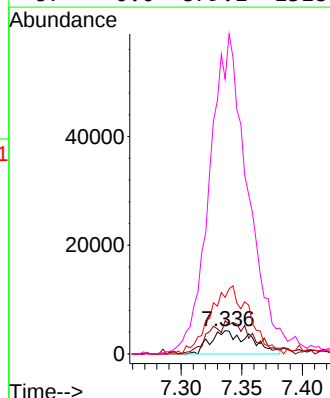
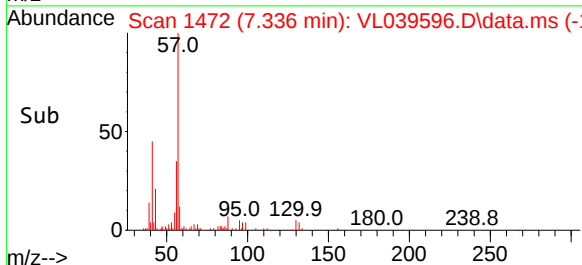
Lab File: VL039596.D

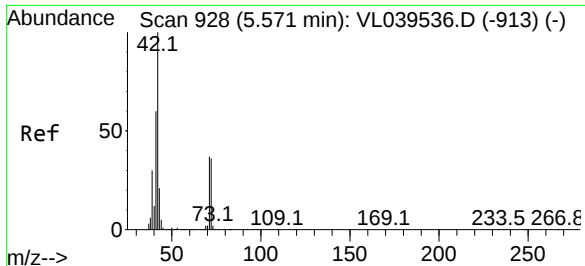
Acq: 26 Aug 2022 9:42



Tgt Ion: 88 Resp: 10155

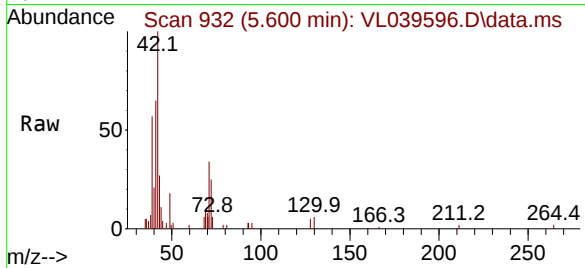
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.2	150.4
43	0.0	205.8	308.6
57	0.0	879.1	1318.7





#41
Tetrahydrofuran
Concen: 0.351 ppbv m
RT: 5.600 min Scan# 91
Delta R.T. 0.030 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

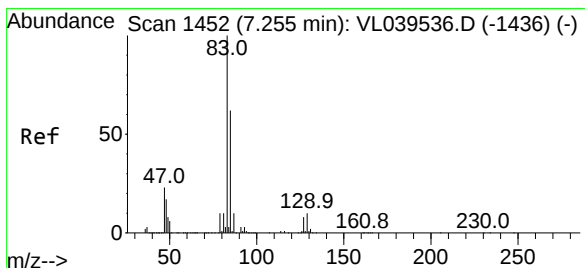
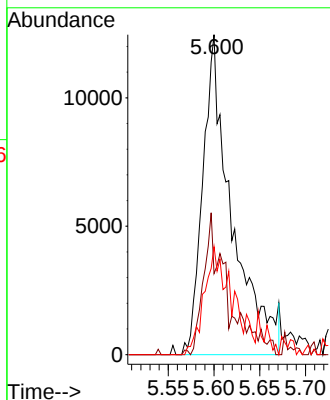
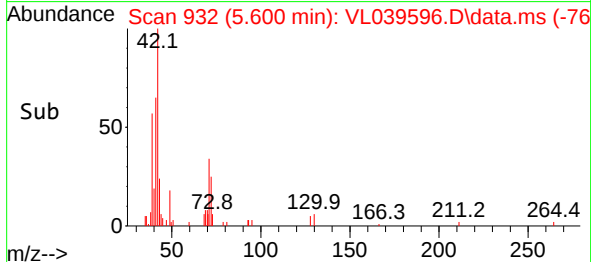
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 42 Resp: 27474
Ion Ratio Lower Upper
42 100
72 37.6 31.8 47.8
71 38.1 31.8 47.8

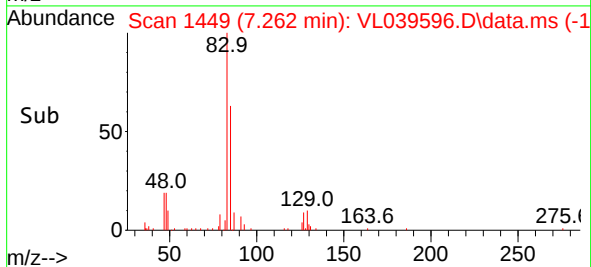
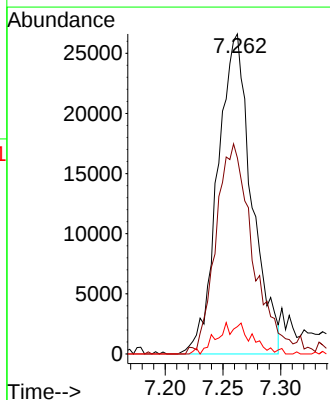
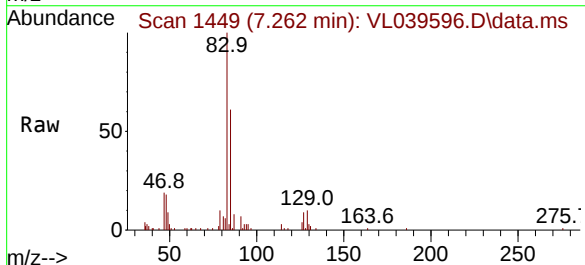
Manual Integrations
APPROVED

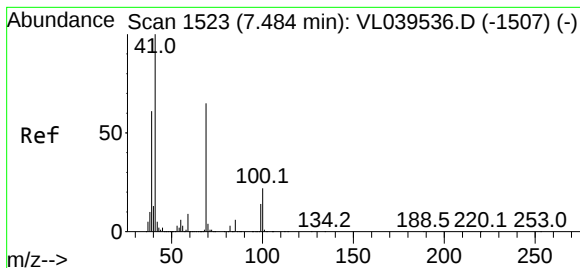
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#42
Bromodichloromethane
Concen: 0.359 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion: 83 Resp: 54378
Ion Ratio Lower Upper
83 100
85 61.2 50.7 76.1
127 8.5 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.318 ppbv

RT: 7.494 min Scan# 1523

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

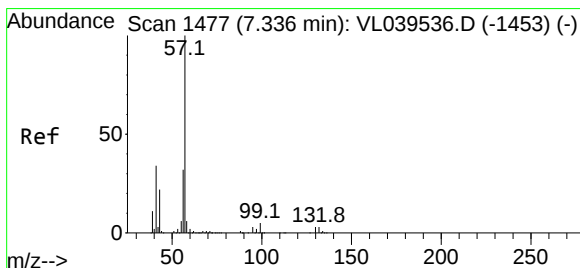
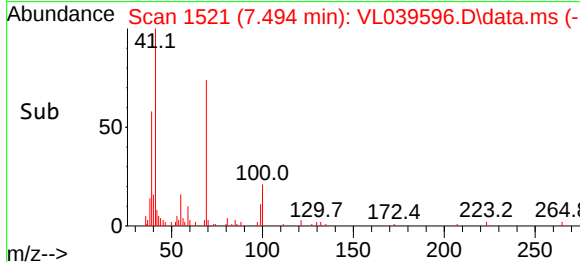
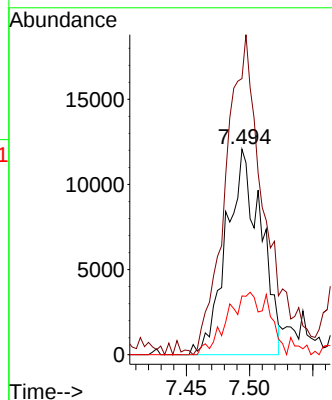
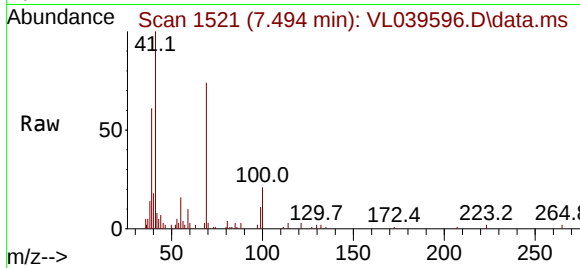
MDL-AIR-03-QT3-2022

Tgt Ion:	69	Resp:	2298
Ion Ratio	Lower	Upper	
69	100		
41	0.0	120.8	181.2
100	0.0	27.8	41.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#44

2,2,4-Trimethylpentane

Concen: 0.382 ppbv

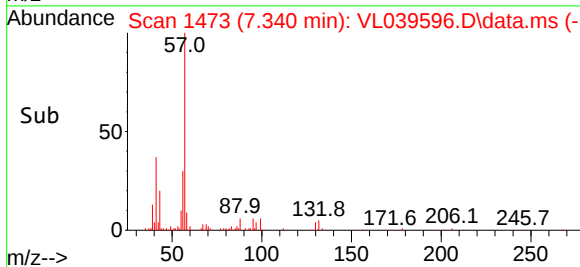
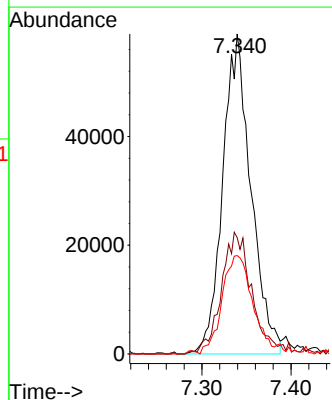
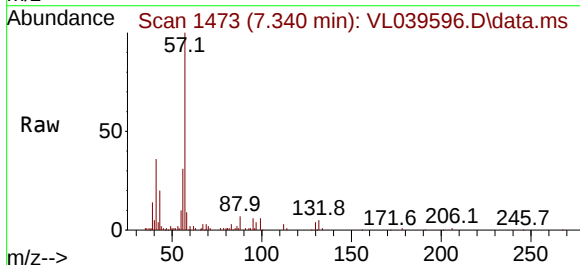
RT: 7.340 min Scan# 1473

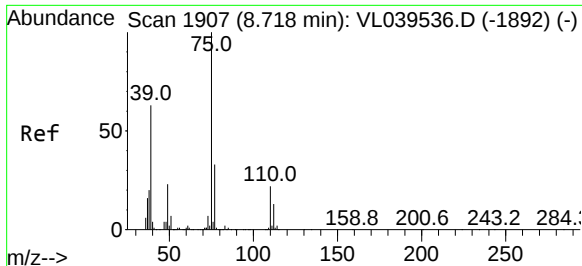
Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion:	57	Resp:	129337
Ion Ratio	Lower	Upper	
57	100		
41	41.6	27.4	41.2
56	34.9	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 0.227 ppbv m

RT: 8.713 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 75 Resp: 14298

Ion Ratio Lower Upper

75 100

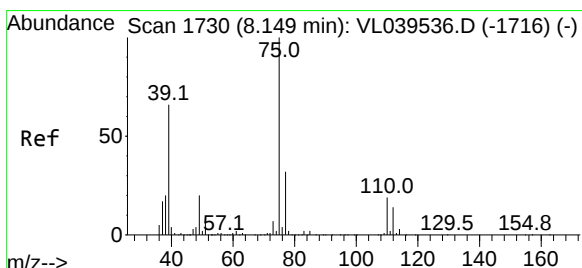
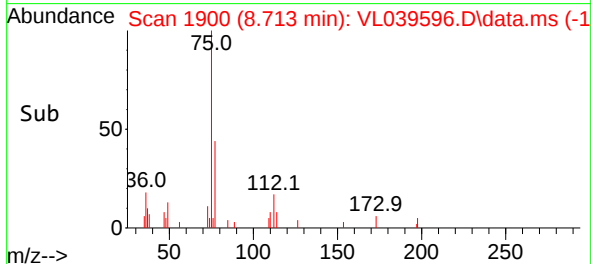
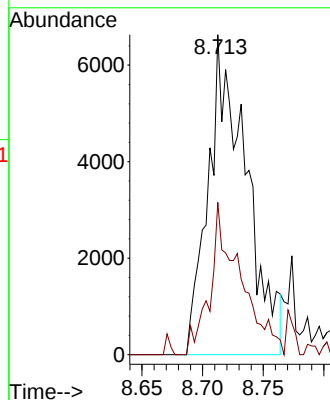
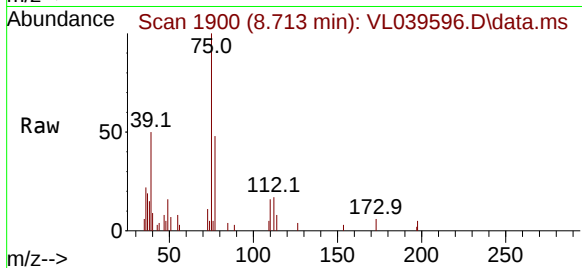
77 47.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#46

cis-1,3-Dichloropropene

Concen: 0.273 ppbv m

RT: 8.147 min Scan# 1724

Delta R.T. -0.003 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

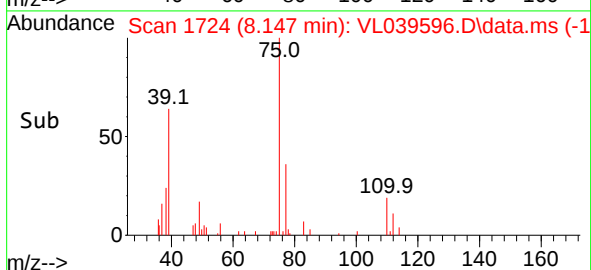
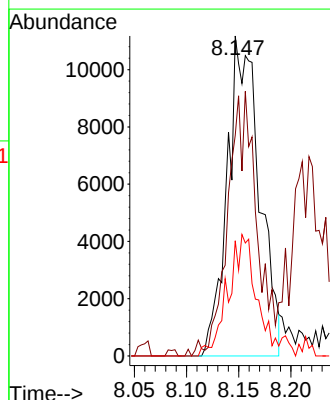
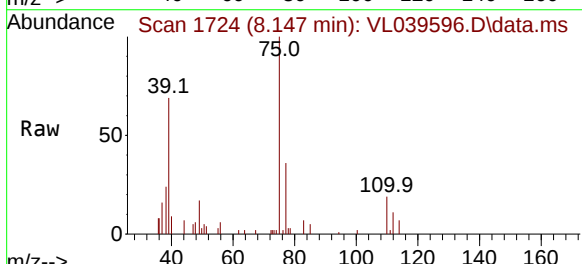
Tgt Ion: 75 Resp: 23874

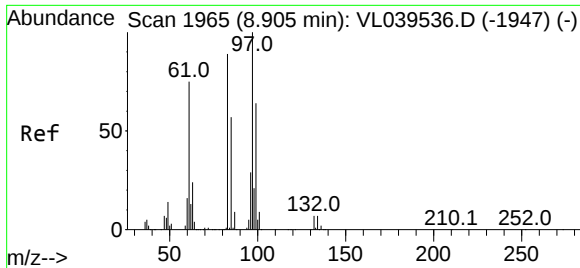
Ion Ratio Lower Upper

75 100

39 68.9 55.0 82.4

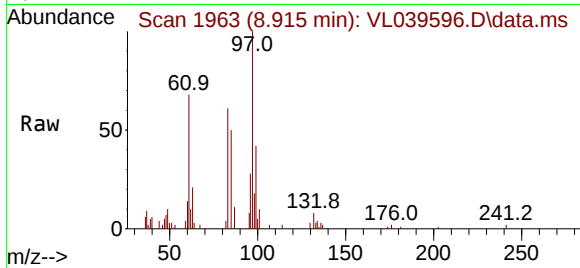
77 36.0 25.7 38.5





#47
1,1,2-Trichloroethane
Concen: 0.424 ppbv m
RT: 8.915 min Scan# 1963
Delta R.T. 0.010 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

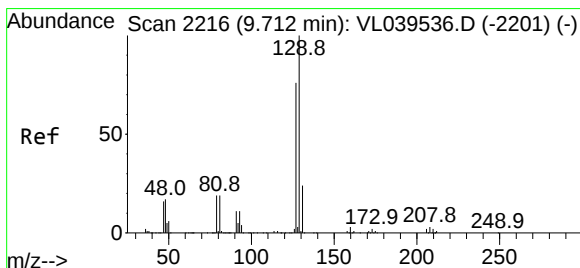
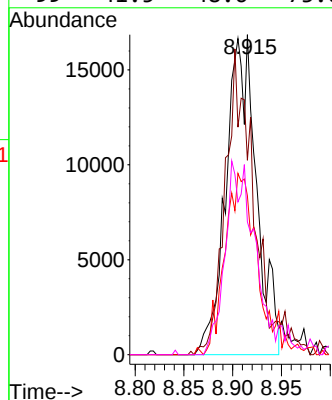
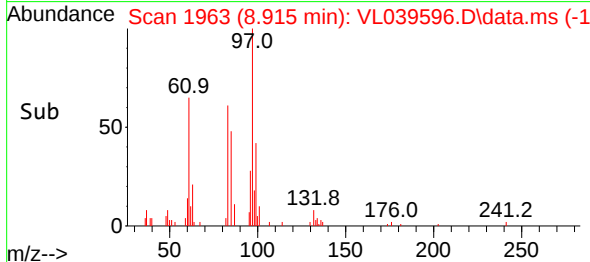
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2022



Tgt Ion	Ratio	Lower	Upper
97	100		
83	60.8	67.4	101.0
85	49.6	45.1	67.7
99	41.5	48.6	73.0

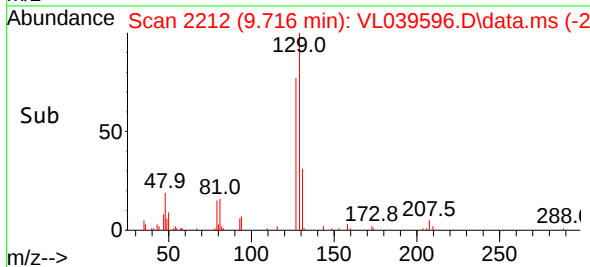
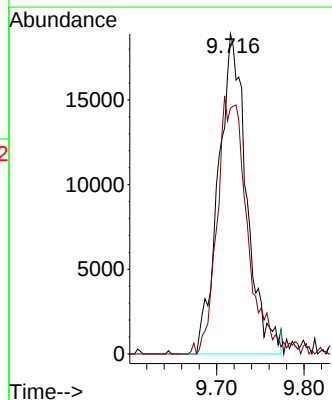
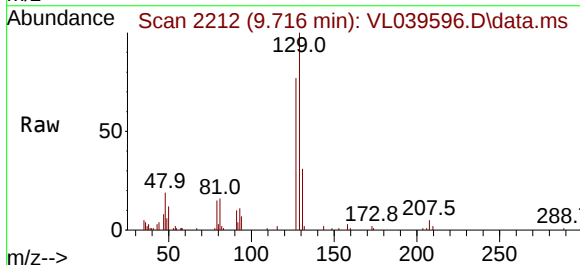
Manual Integrations
APPROVED

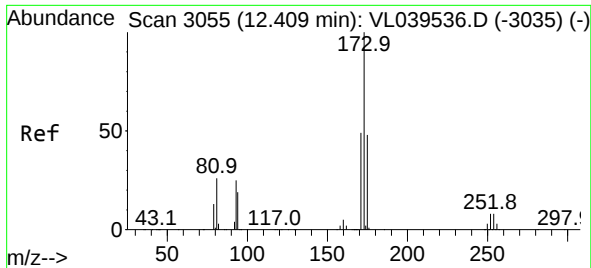
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#48
Dibromochloromethane
Concen: 0.334 ppbv m
RT: 9.716 min Scan# 2212
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

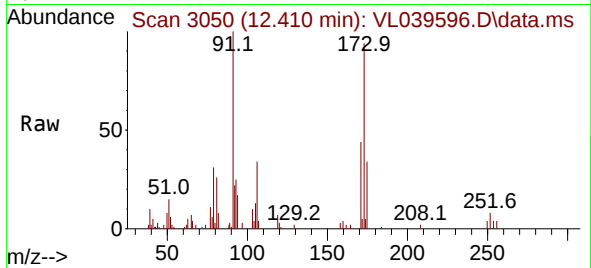
Tgt Ion	Ratio	Lower	Upper
129	100		
127	86.6	39.3	117.9





#49
Bromoform
Concen: 0.279 ppbv
RT: 12.410 min Scan# 3055
Delta R.T. 0.001 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

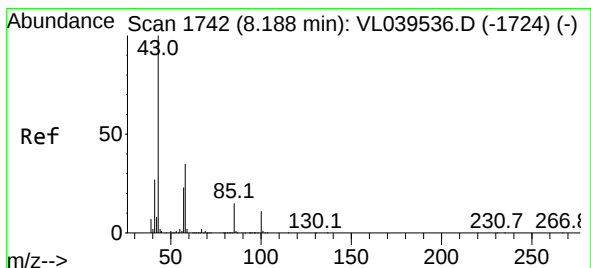
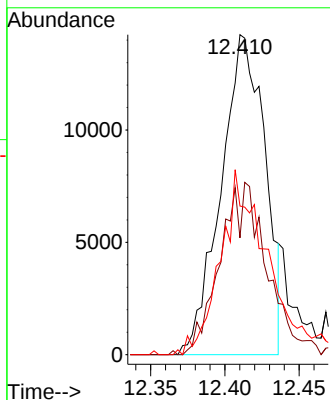
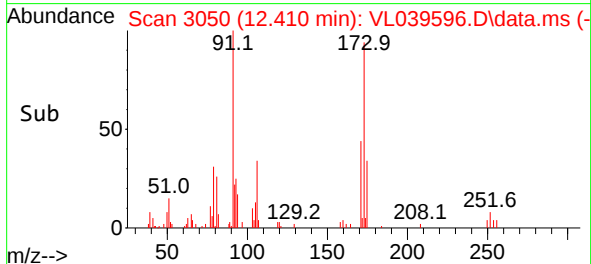
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



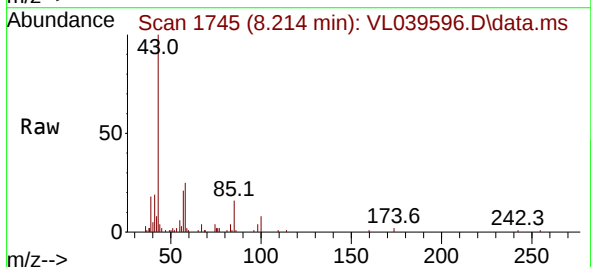
Tgt Ion: 173 Resp: 29344
Ion Ratio Lower Upper
173 100
175 59.3 40.3 60.5
171 62.0 42.9 64.3

Manual Integrations
APPROVED

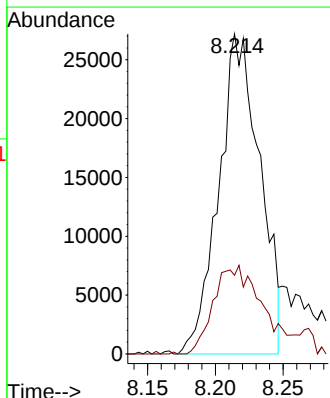
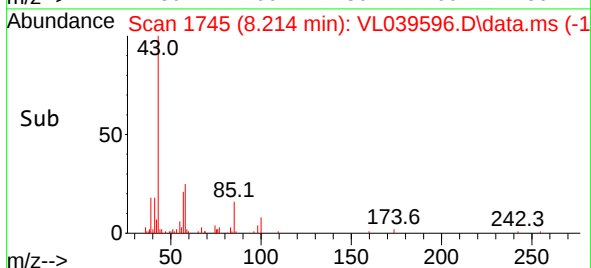
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

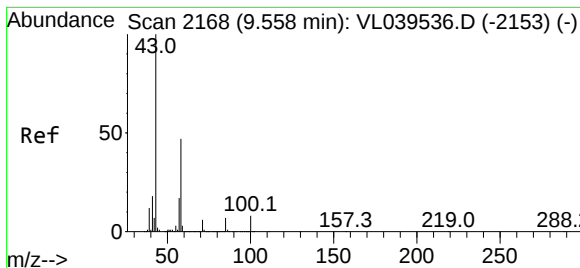


#50
4-Methyl-2-Pentanone
Concen: 0.281 ppbv
RT: 8.214 min Scan# 1745
Delta R.T. 0.026 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



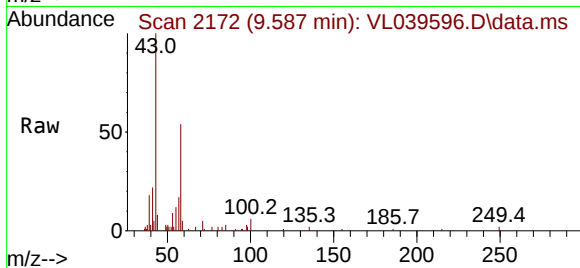
Tgt Ion: 43 Resp: 57369
Ion Ratio Lower Upper
43 100
58 38.0 28.8 43.2





#51
2-Hexanone
Concen: 0.289 ppbv m
RT: 9.587 min Scan# 2168
Delta R.T. 0.030 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

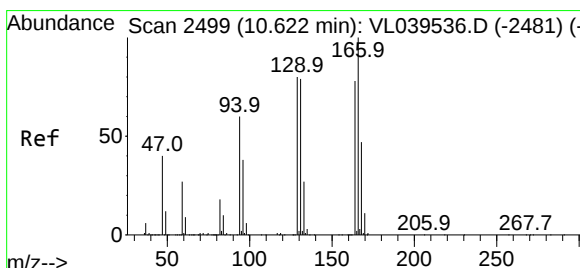
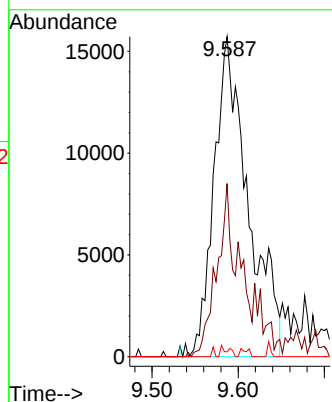
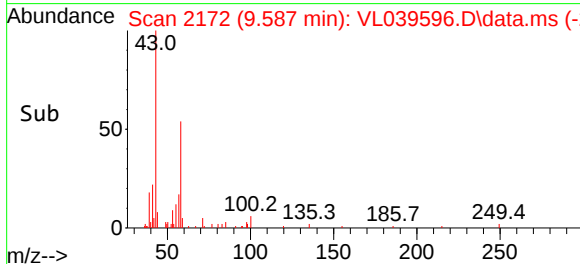
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 43 Resp: 43318
Ion Ratio Lower Upper
43 100
58 41.7 38.4 57.6
98 1.6 0.3 0.5

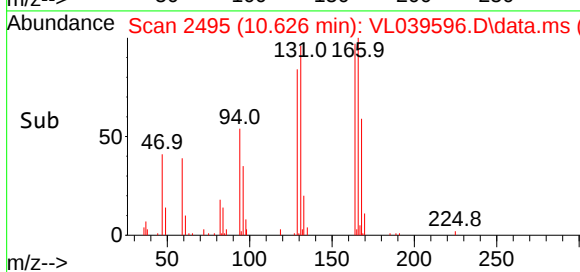
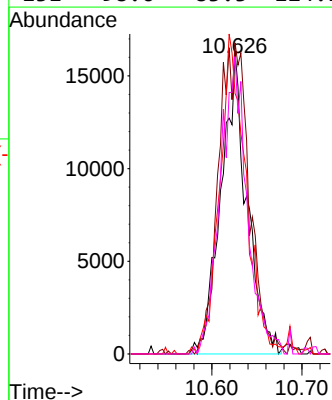
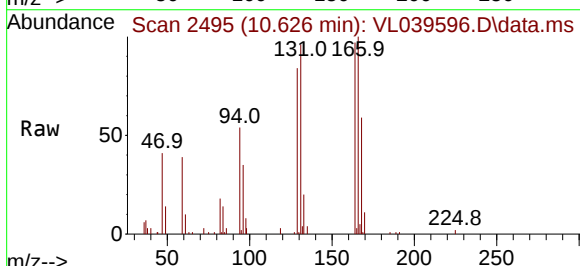
Manual Integrations
APPROVED

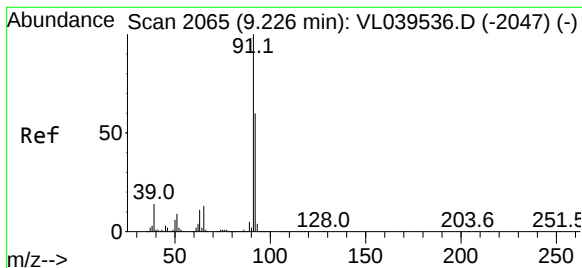
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#52
Tetrachloroethene
Concen: 0.429 ppbv m
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:164 Resp: 32606
Ion Ratio Lower Upper
164 100
166 103.1 102.2 153.2
129 86.4 85.8 128.8
131 98.6 83.3 124.9





#53

Toluene

Concen: 0.309 ppbv m

RT: 9.227 min Scan# 2065

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 91 Resp: 6947

Ion Ratio Lower Upper

91 100

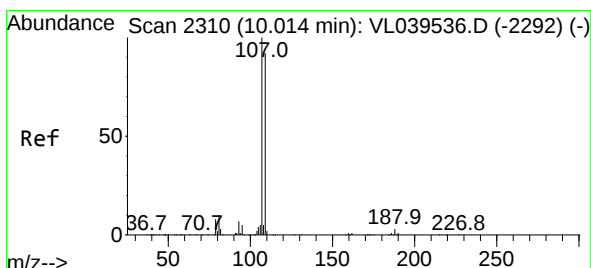
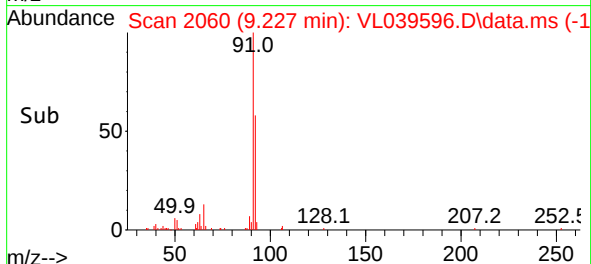
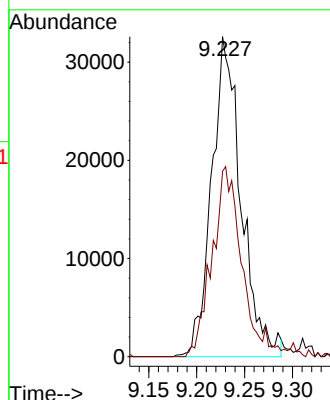
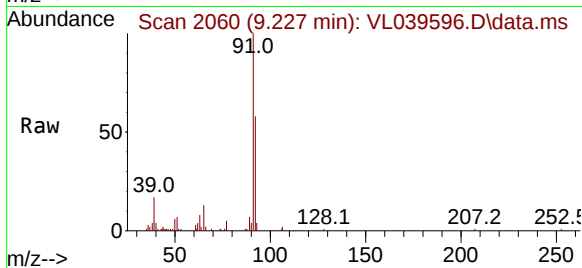
92 61.5 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#54

1,2-Dibromoethane

Concen: 0.377 ppbv m

RT: 10.024 min Scan# 2308

Delta R.T. 0.010 min

Lab File: VL039596.D

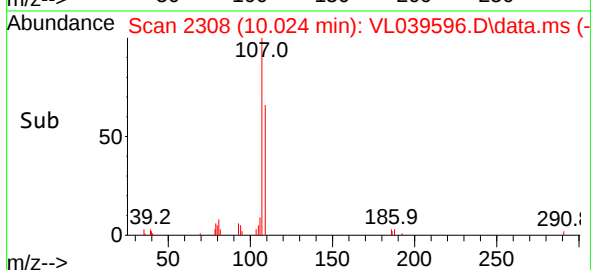
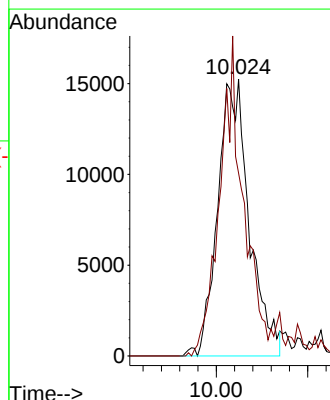
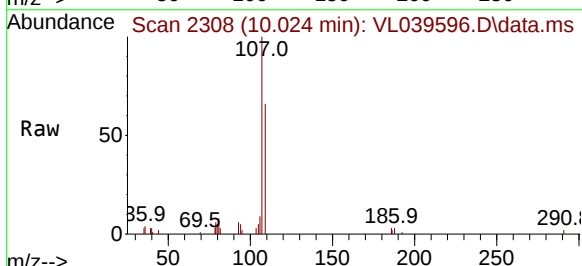
Acq: 26 Aug 2022 9:42

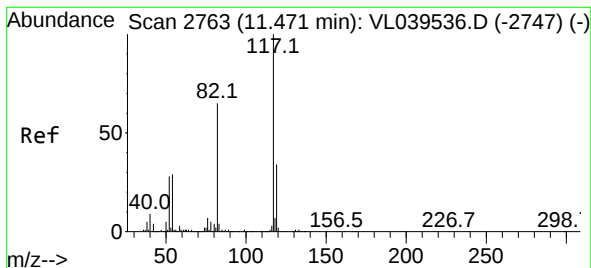
Tgt Ion:107 Resp: 36342

Ion Ratio Lower Upper

107 100

109 66.0 74.8 112.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2763

Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion:117 Resp: 234562

Ion Ratio Lower Upper

117 100

82 63.0 50.8 76.2

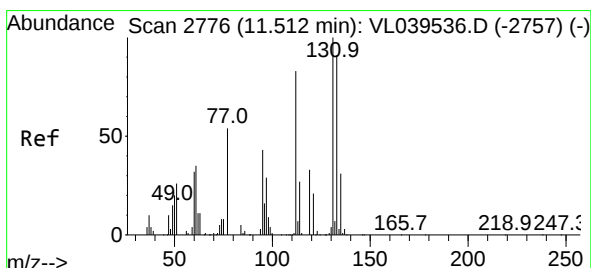
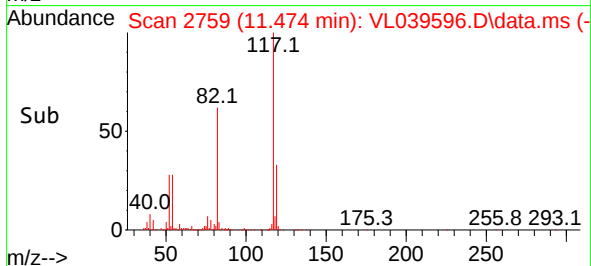
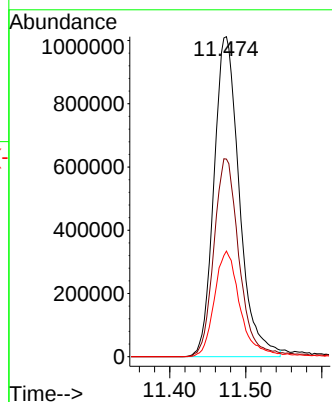
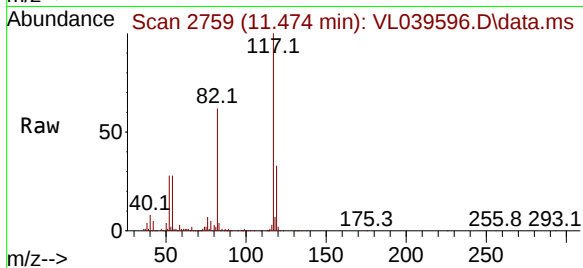
119 33.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 0.437 ppbv m

RT: 11.513 min Scan# 2771

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

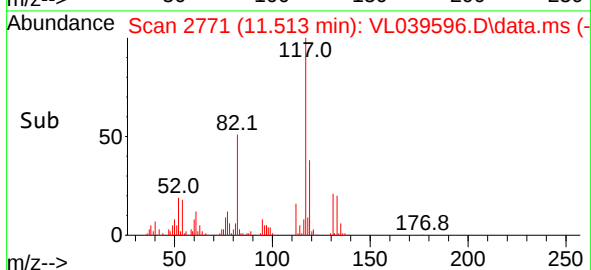
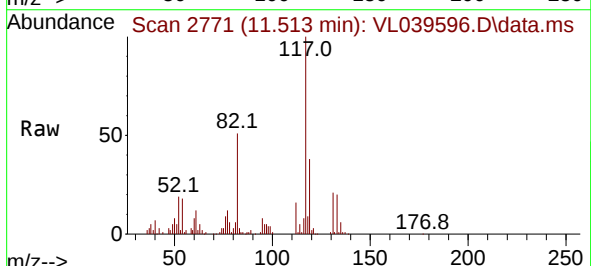
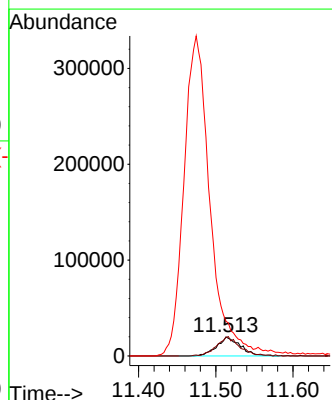
Tgt Ion:131 Resp: 41639

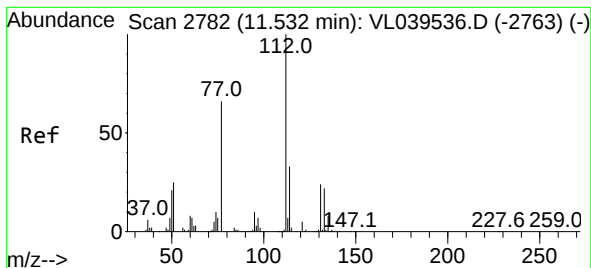
Ion Ratio Lower Upper

131 100

133 101.3 76.8 115.2

119 1905.7 46.2 69.4#





#57

Chlorobenzene

Concen: 0.463 ppbv

RT: 11.532 min Scan# 21

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

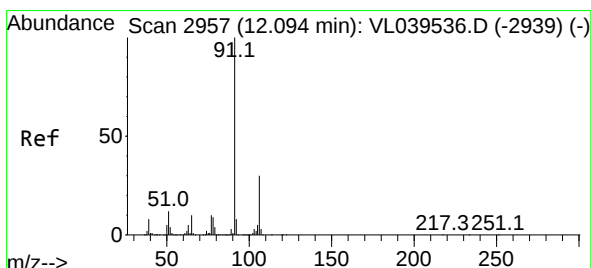
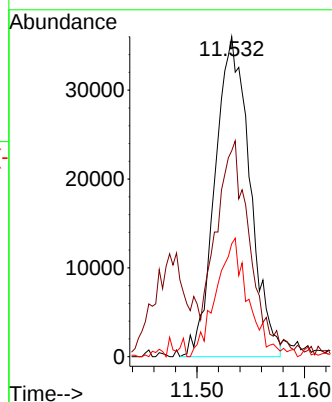
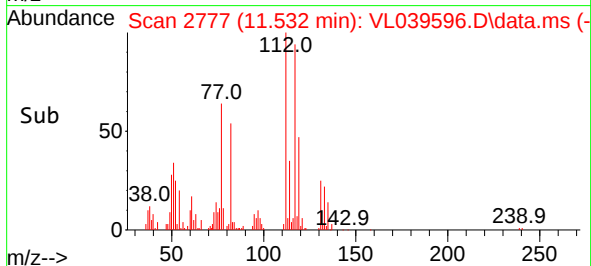
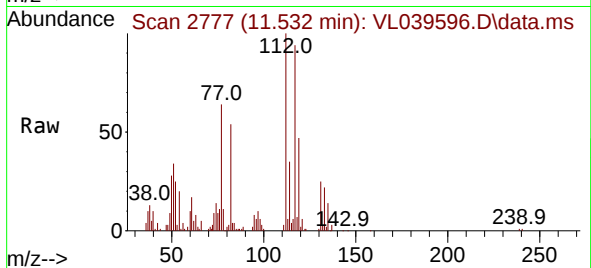
MDL-AIR-03-QT3-2022

Tgt Ion:	112	Resp:	8106
Ion Ratio	Lower	Upper	
112	100		
77	60.7	51.0	76.4
114	33.6	27.5	33.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#58

Ethyl Benzene

Concen: 0.348 ppbv m

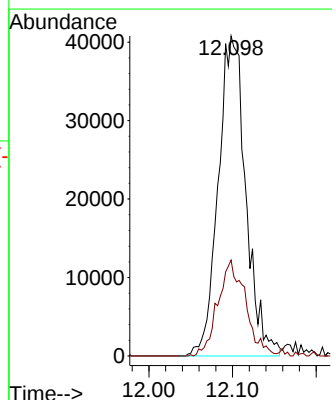
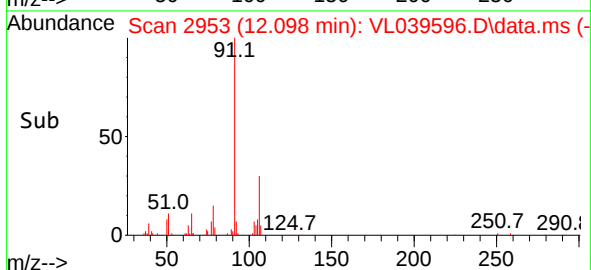
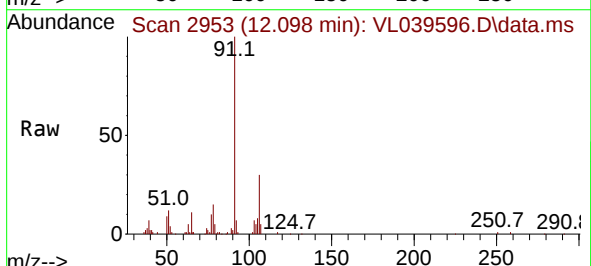
RT: 12.098 min Scan# 2953

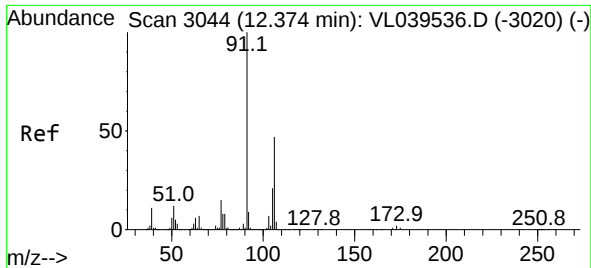
Delta R.T. 0.004 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion:	91	Resp:	93671
Ion Ratio	Lower	Upper	
91	100		
106	29.9	25.4	38.0





#59

m/p-Xylene

Concen: 0.738 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 91 Resp: 17855

Ion Ratio Lower Upper

91 100

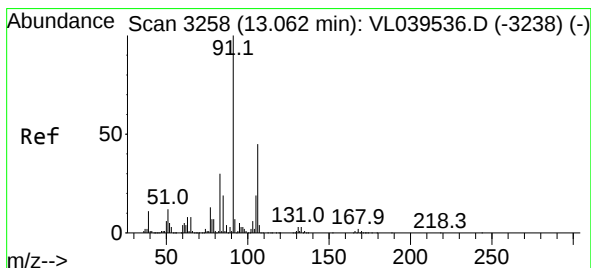
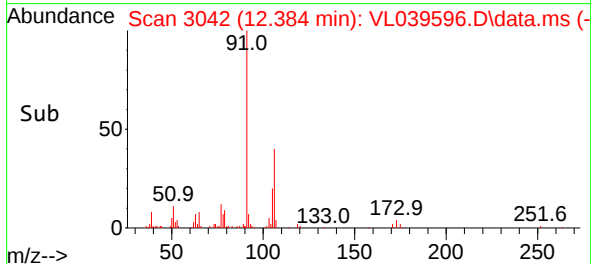
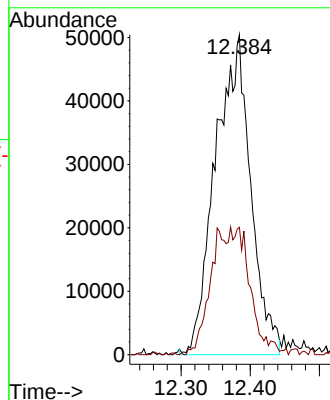
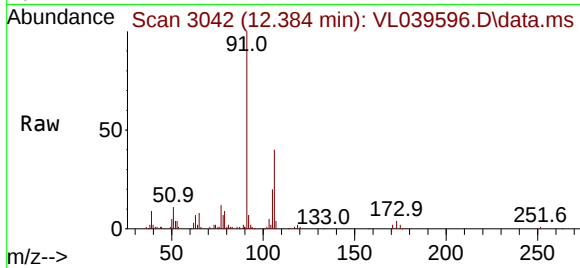
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#60

o-Xylene

Concen: 0.339 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.007 min

Lab File: VL039596.D

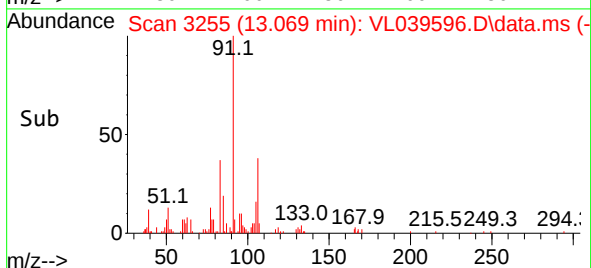
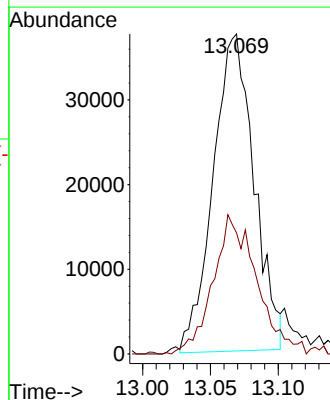
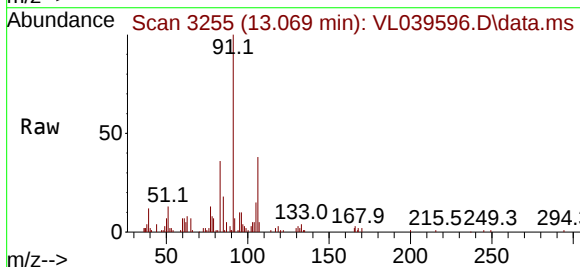
Acq: 26 Aug 2022 9:42

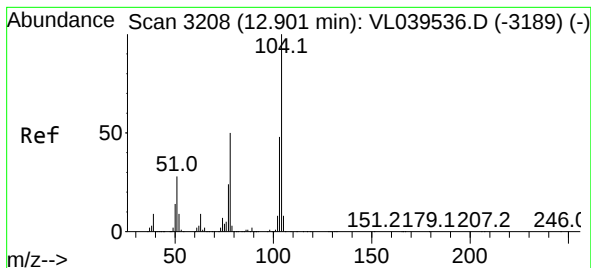
Tgt Ion: 91 Resp: 78711

Ion Ratio Lower Upper

91 100

106 47.5 22.4 67.3





#61

Styrene

Concen: 0.266 ppbv m

RT: 12.902 min Scan# 3189

Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

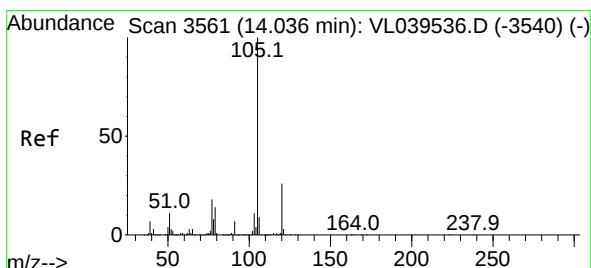
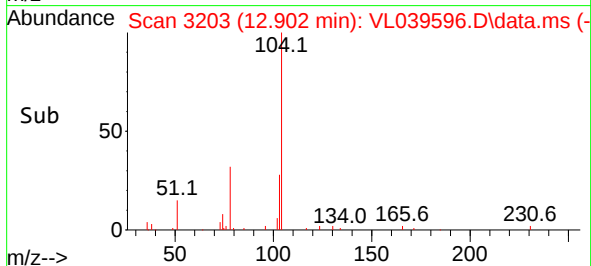
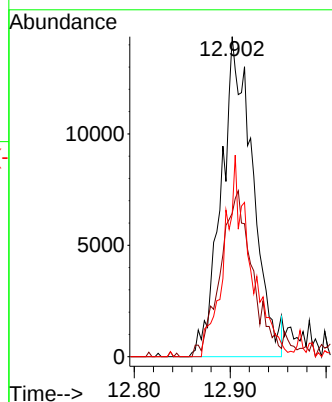
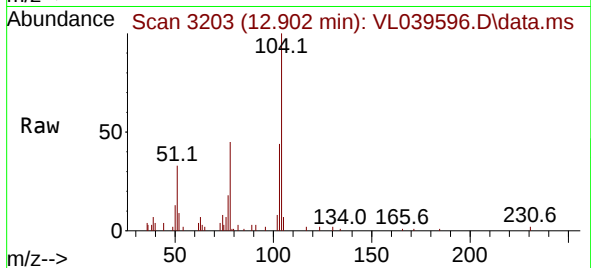
MDL-AIR-03-QT3-2022

Tgt Ion:104 Resp: 32900
 Ion Ratio Lower Upper
 104 100
 78 54.6 41.2 61.8
 103 52.8 38.7 58.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#62

Isopropylbenzene

Concen: 0.414 ppbv m

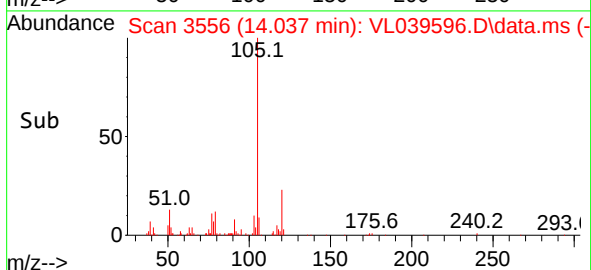
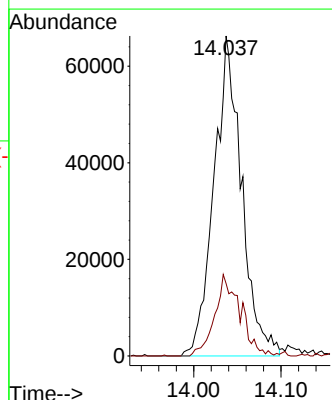
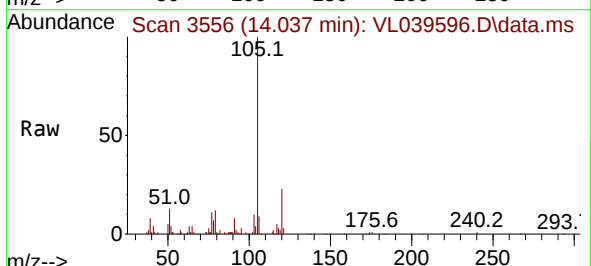
RT: 14.037 min Scan# 3556

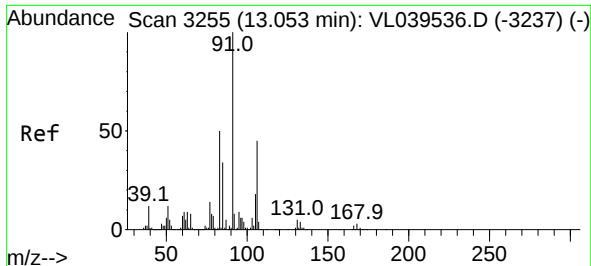
Delta R.T. 0.001 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

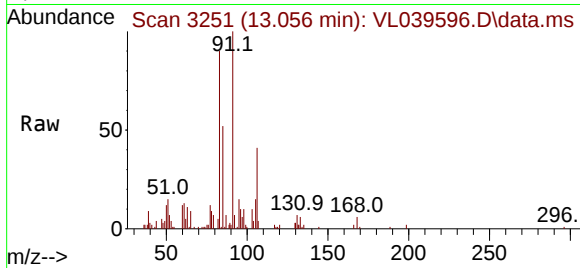
Tgt Ion:105 Resp: 145384
 Ion Ratio Lower Upper
 105 100
 120 24.0 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.482 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

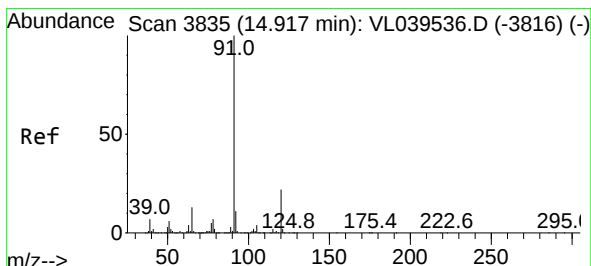
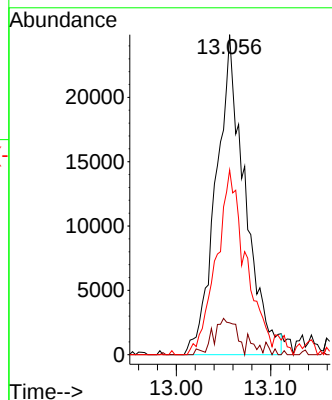
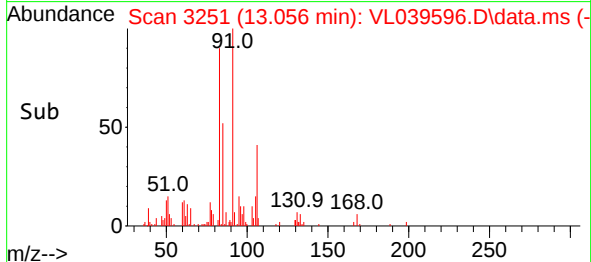
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



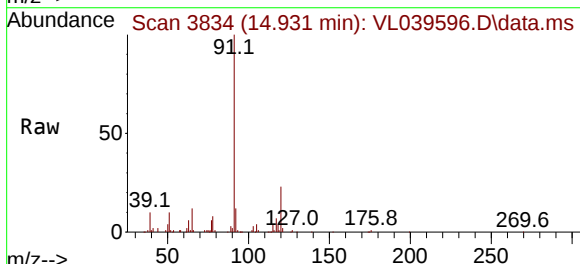
Tgt Ion: 83 Resp: 5297
Ion Ratio Lower Upper
83 100
131 11.4 5.3 15.8
85 65.0 33.1 99.5

Manual Integrations
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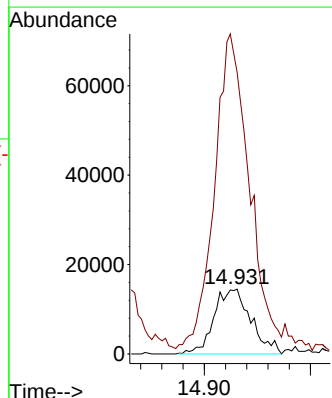
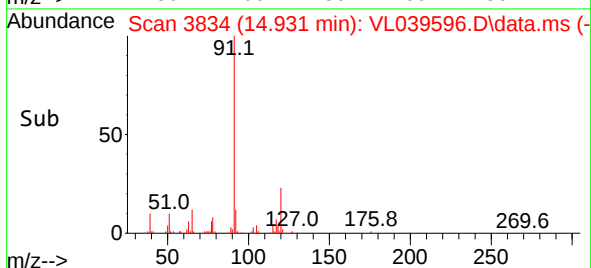
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

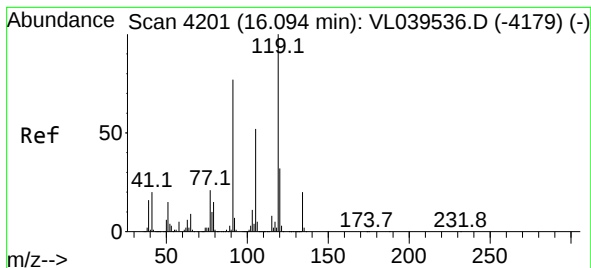


#64
n-propylbenzene
Concen: 0.383 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.014 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42



Tgt Ion:120 Resp: 34956
Ion Ratio Lower Upper
120 100
91 483.2 367.2 550.8





#65

tert-Butylbenzene

Concen: 0.389 ppbv

RT: 16.101 min Scan# 4179

Delta R.T. 0.007 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

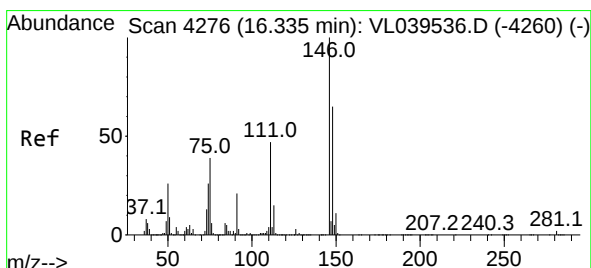
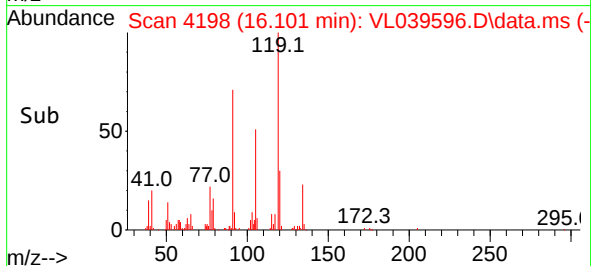
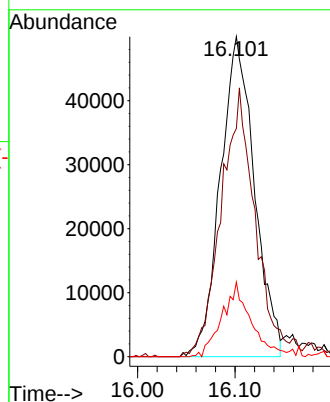
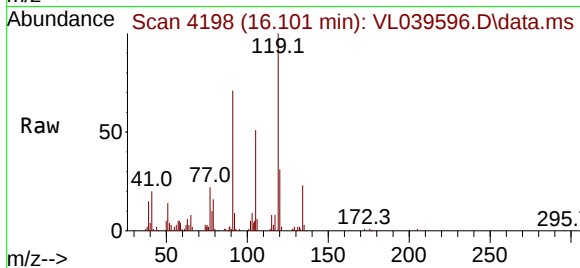
MDL-AIR-03-QT3-2022

Tgt Ion: 119 Resp: 121440
 Ion Ratio Lower Upper
 119 100
 91 87.7 63.4 95.2
 134 20.3 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#66

Benzyl Chloride

Concen: 0.425 ppbv m

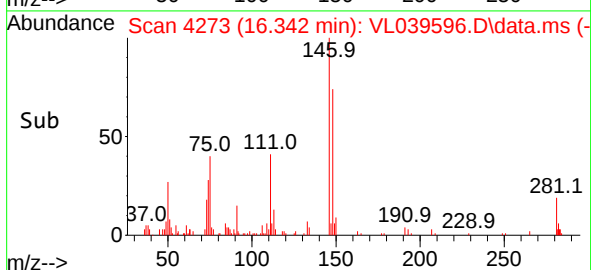
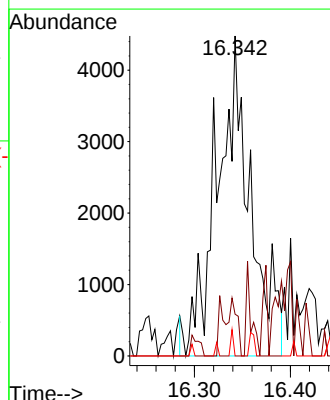
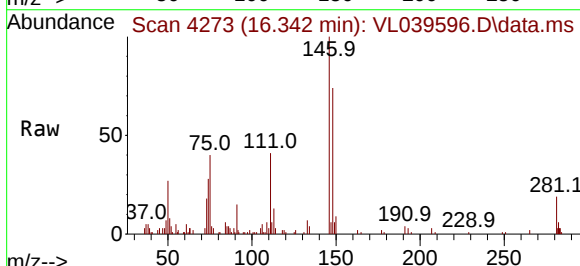
RT: 16.342 min Scan# 4273

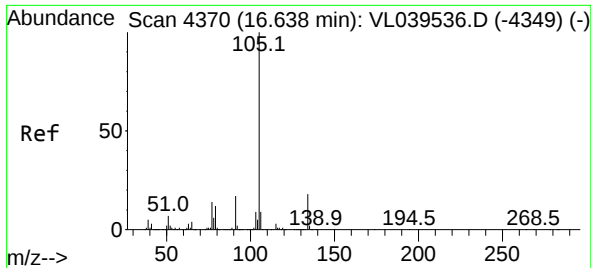
Delta R.T. 0.007 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

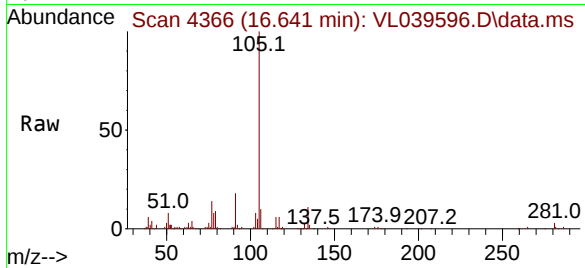
Tgt Ion: 91 Resp: 10770
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 19.7#
 128 1.0 4.4 6.6#





#67
 sec-Butylbenzene
 Concen: 0.394 ppbv m
 RT: 16.641 min Scan# 4370
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

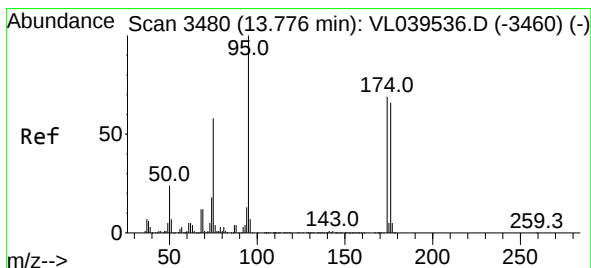
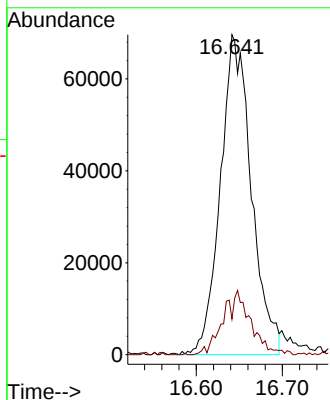
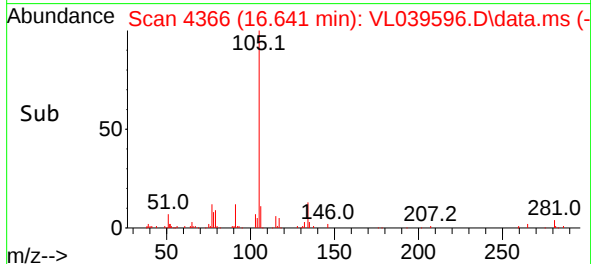
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion: 105 Resp: 174100
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.8 22.2

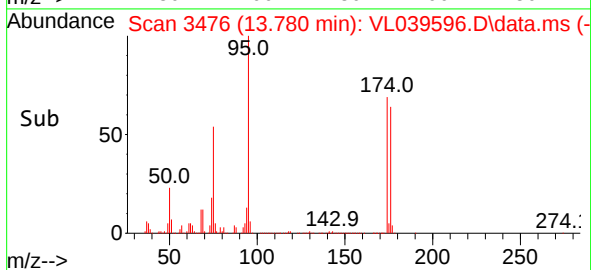
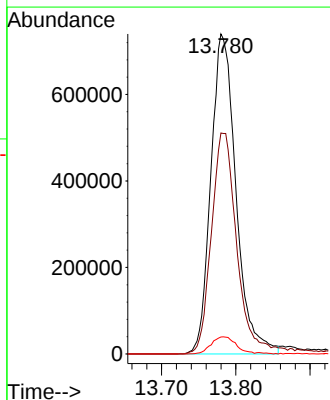
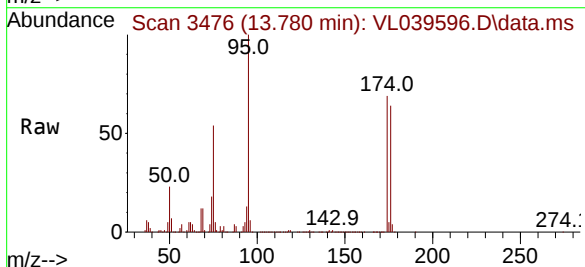
Manual Integrations
 APPROVED

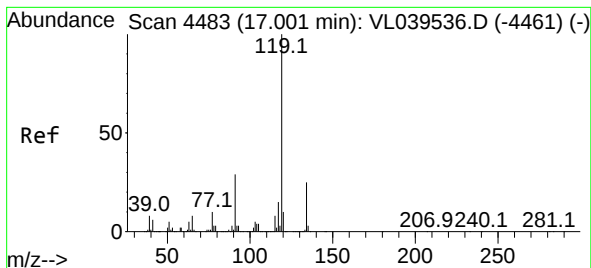
Reviewed By : Mahesh Dadoda 08/29/2022
 Supervised By : Semsettin Yesilyurt 08/29/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.829 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. 0.004 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion: 95 Resp: 1739319
 Ion Ratio Lower Upper
 95 100
 174 70.3 55.9 83.9
 175 5.5 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.352 ppbv m

RT: 17.002 min Scan# 44

Delta R.T. 0.001 min

Lab File: VL039596.D

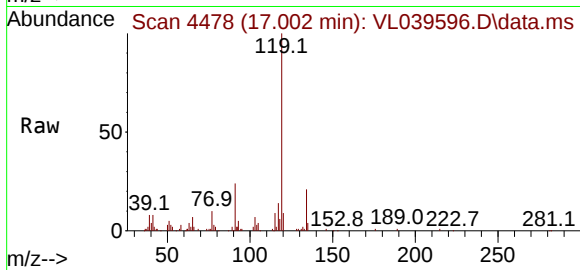
Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022



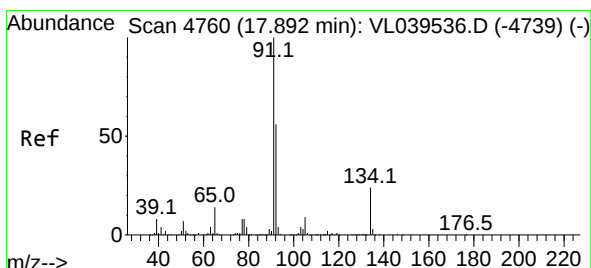
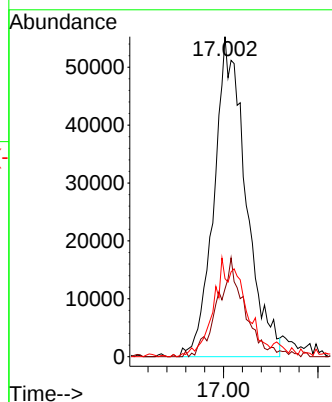
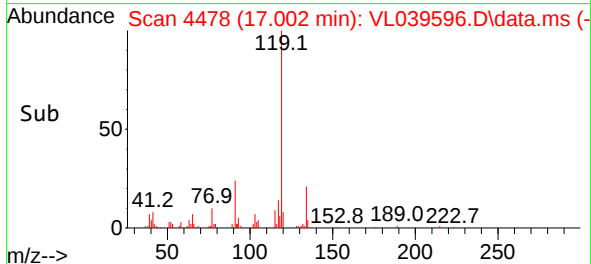
Tgt Ion: 119 Resp: 12909

Ion	Ratio	Lower	Upper
119	100		
134	27.1	20.3	30.5
91	0.0	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#70

n-Butylbenzene

Concen: 0.377 ppbv m

RT: 17.895 min Scan# 4756

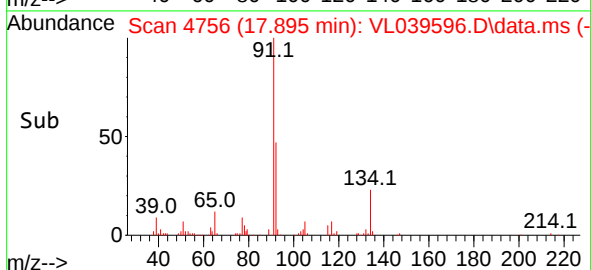
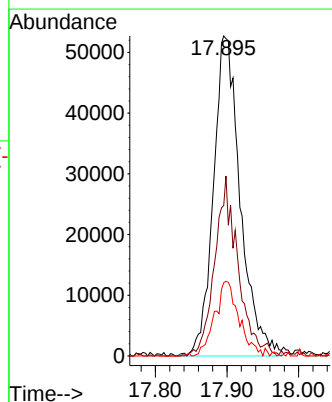
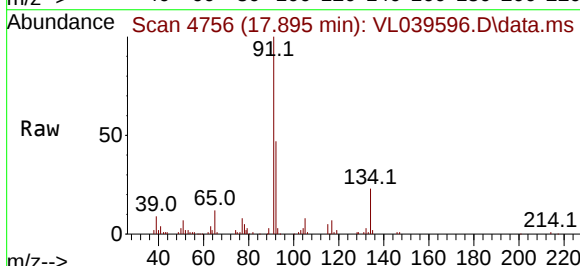
Delta R.T. 0.004 min

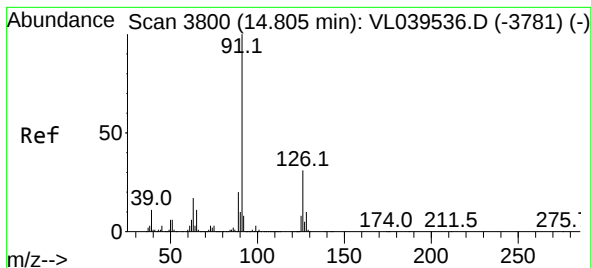
Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion: 91 Resp: 137567

Ion	Ratio	Lower	Upper
91	100		
92	49.2	43.4	65.2
134	21.4	18.9	28.3





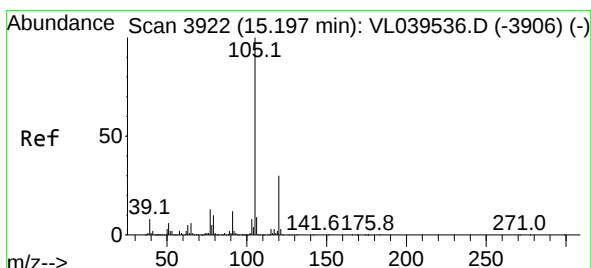
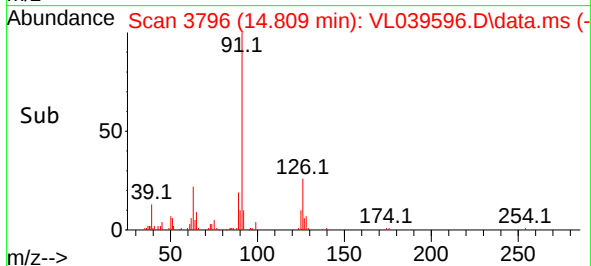
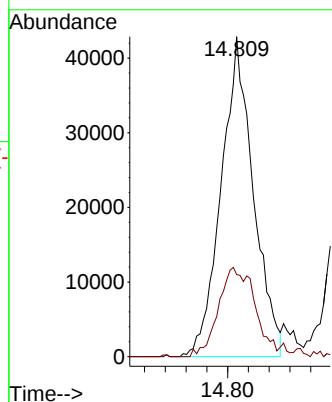
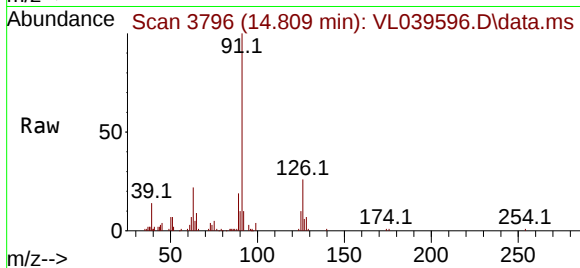
#71
2-Chlorotoluene
Concen: 0.363 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

Tgt Ion: 91 Resp: 9215
Ion Ratio Lower Upper
91 100
126 33.1 13.0 51.8

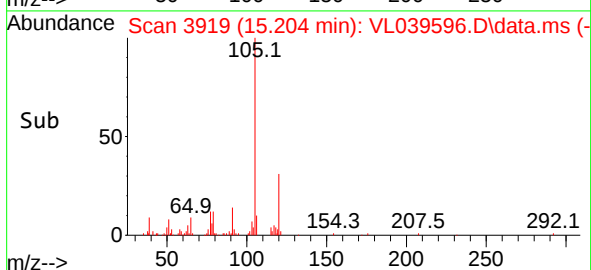
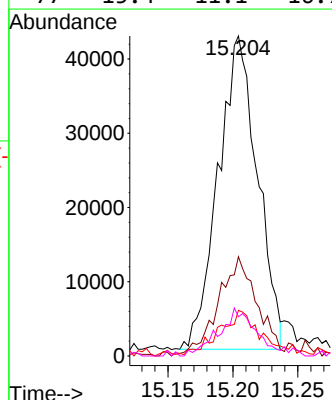
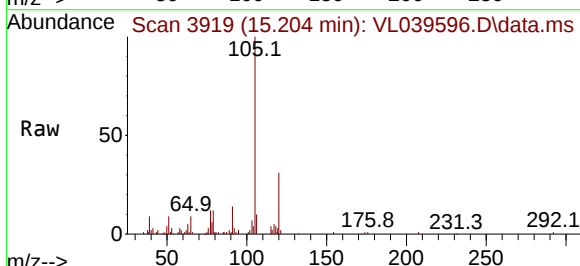
Manual Integrations
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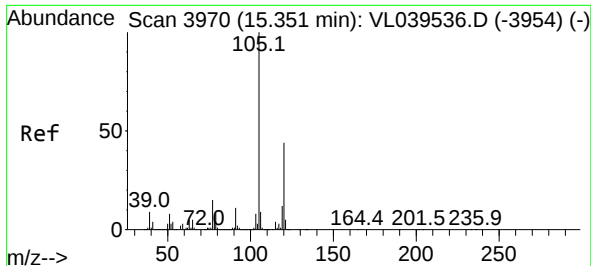
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#72
4-Ethyltoluene
Concen: 0.326 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.007 min
Lab File: VL039596.D
Acq: 26 Aug 2022 9:42

Tgt Ion:105 Resp: 88526
Ion Ratio Lower Upper
105 100
120 34.8 24.2 36.2
91 17.0 10.2 15.4#
77 15.4 11.1 16.7





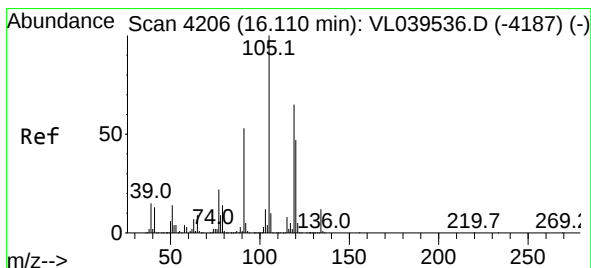
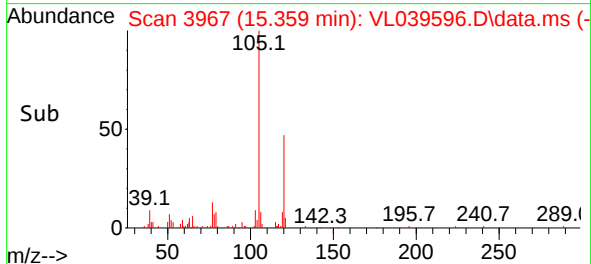
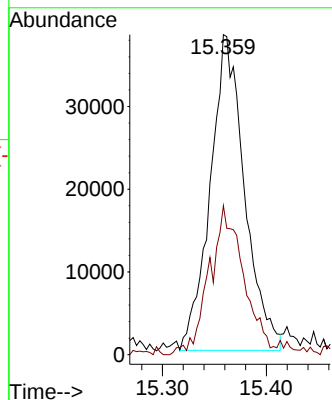
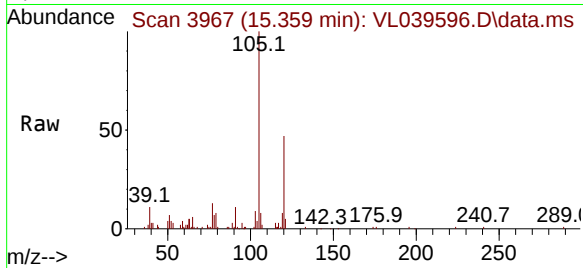
#73
 1,3,5-Trimethylbenzene
 Concen: 0.353 ppbv
 RT: 15.359 min Scan# 3970
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Tgt Ion:105 Resp: 8748
 Ion Ratio Lower Upper
 105 100
 120 44.9 38.2 57.4

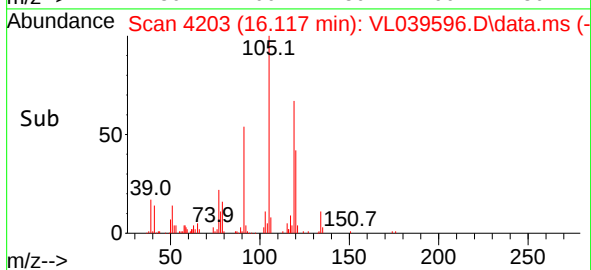
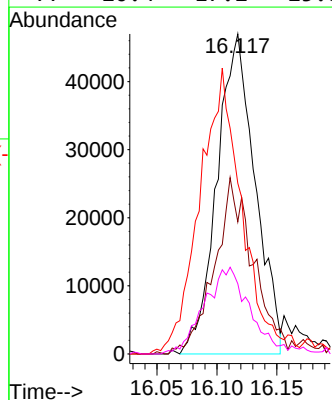
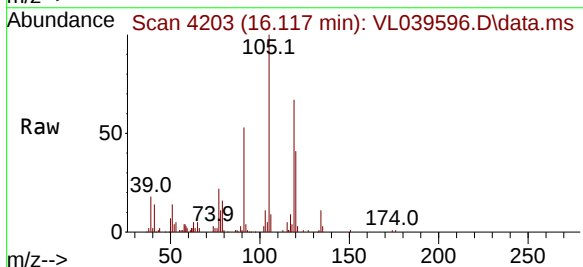
Manual Integrations
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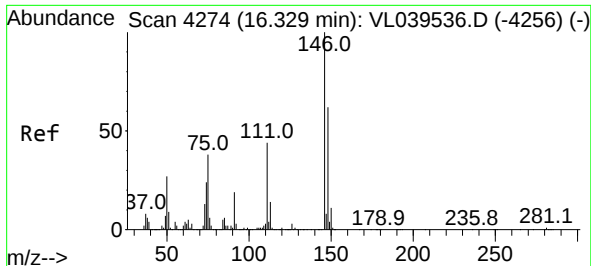
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.376 ppbv
 RT: 16.117 min Scan# 4203
 Delta R.T. 0.007 min
 Lab File: VL039596.D
 Acq: 26 Aug 2022 9:42

Tgt Ion:105 Resp: 103876
 Ion Ratio Lower Upper
 105 100
 120 38.5 39.5 59.3#
 91 48.3 39.2 58.8
 77 20.4 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 0.421 ppbv

RT: 16.339 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

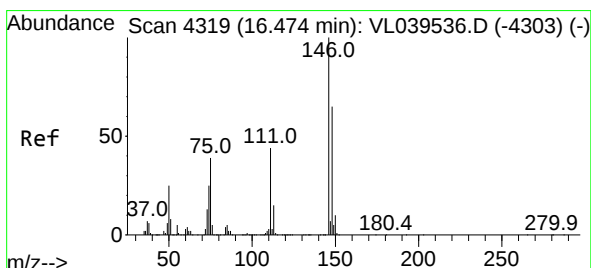
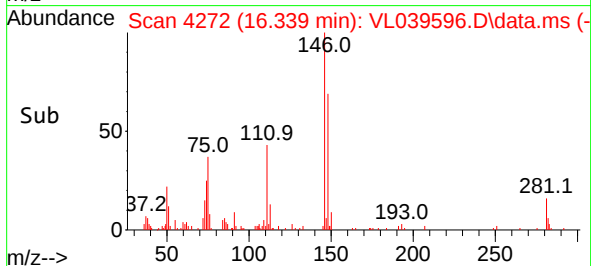
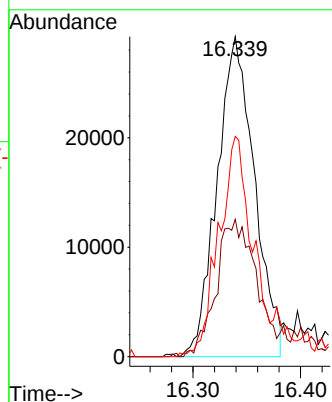
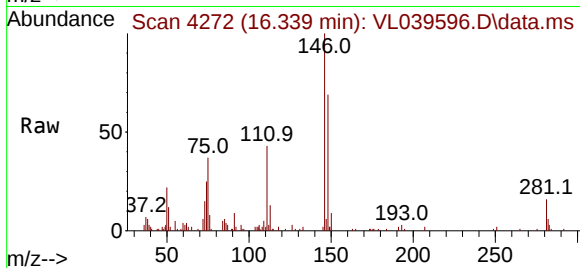
MDL-AIR-03-QT3-2022

Tgt Ion:146	Resp:	7076
Ion Ratio	Lower	Upper
146	100	
111	51.9	22.9 68.7
148	68.0	32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#76

1,4-Dichlorobenzene

Concen: 0.442 ppbv m

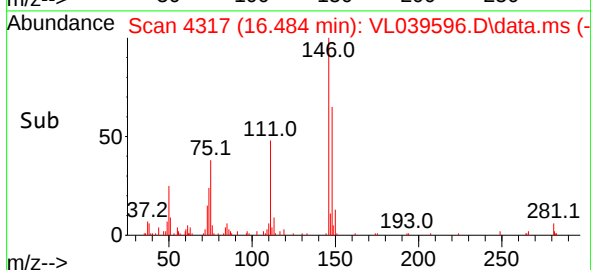
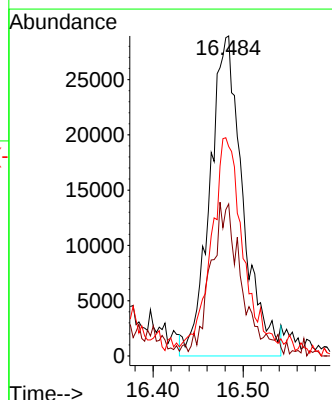
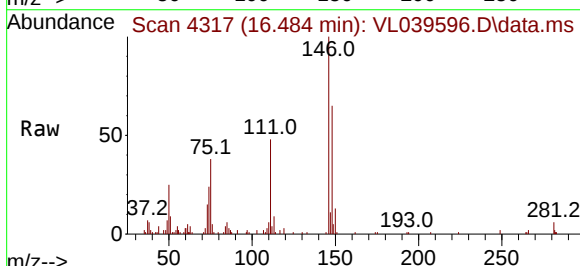
RT: 16.484 min Scan# 4317

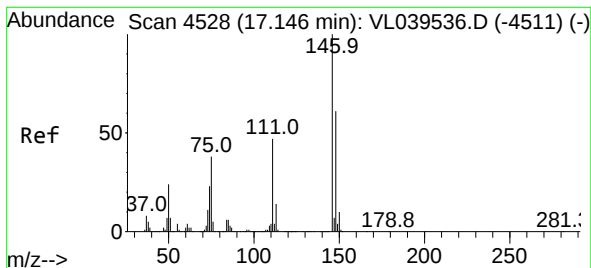
Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion:146	Resp:	73921
Ion Ratio	Lower	Upper
146	100	
111	48.2	22.9 68.8
148	70.6	33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 0.456 ppbv m

RT: 17.159 min Scan# 4528

Delta R.T. 0.013 min

Lab File: VL039596.D

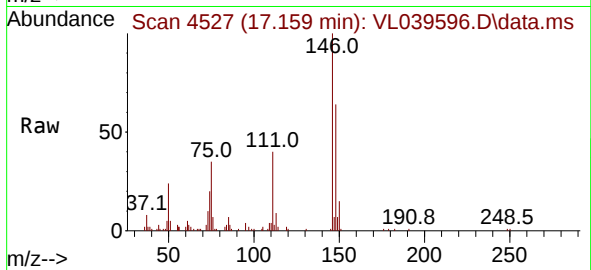
Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

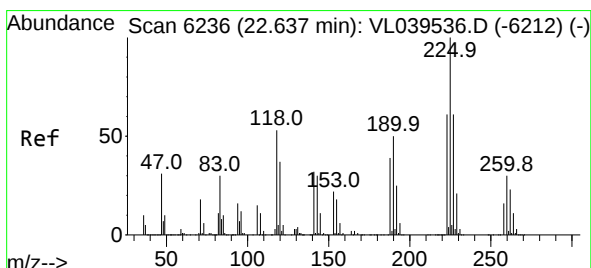
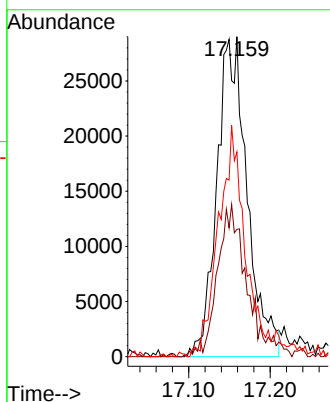
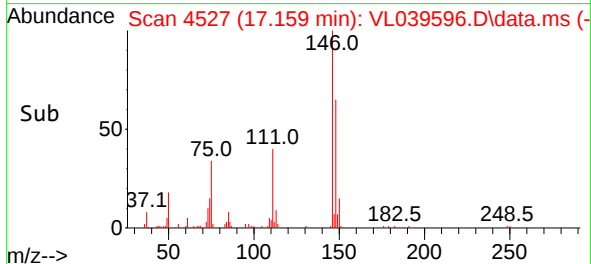


Tgt Ion:	146	Resp:	7494
Ion Ratio	Lower	Upper	
146	100		
111	47.2	23.8	71.5
148	67.0	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#78

Hexachloro-1,3-Butadiene

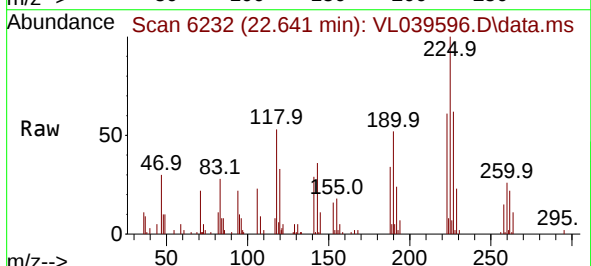
Concen: 0.494 ppbv m

RT: 22.641 min Scan# 6232

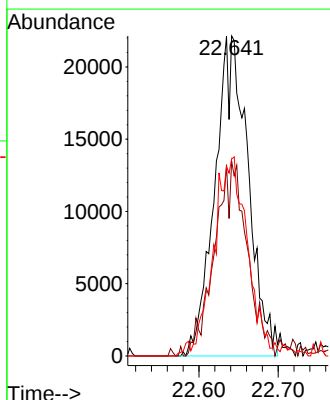
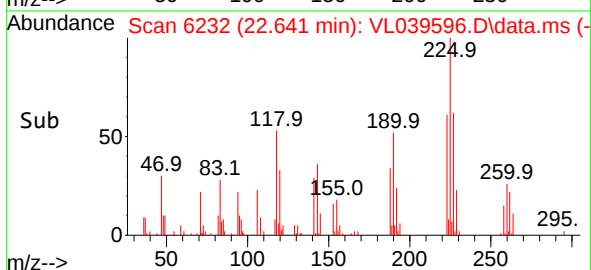
Delta R.T. 0.004 min

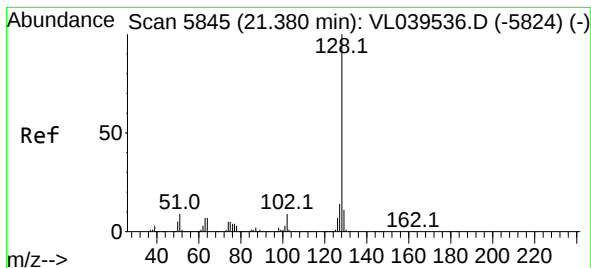
Lab File: VL039596.D

Acq: 26 Aug 2022 9:42



Tgt Ion:	225	Resp:	64750
Ion Ratio	Lower	Upper	
225	100		
223	61.7	51.8	77.6
227	64.3	51.4	77.2





#79

Naphthalene

Concen: 0.318 ppbv m

RT: 21.390 min Scan# 5845

Delta R.T. 0.010 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

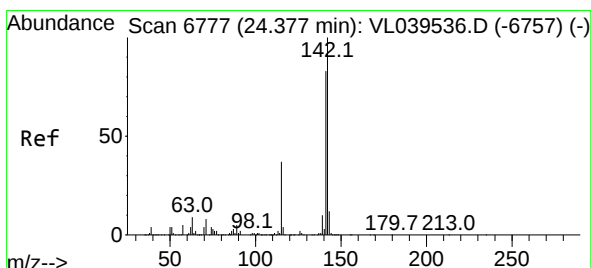
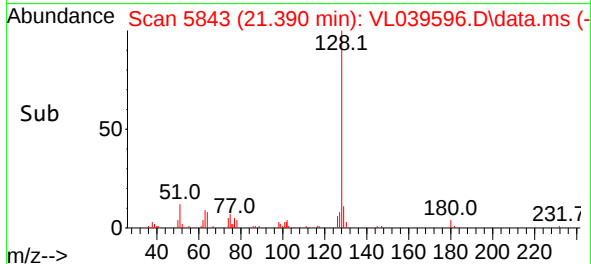
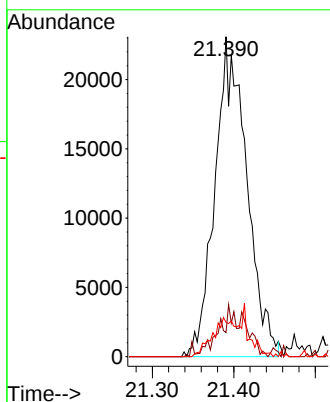
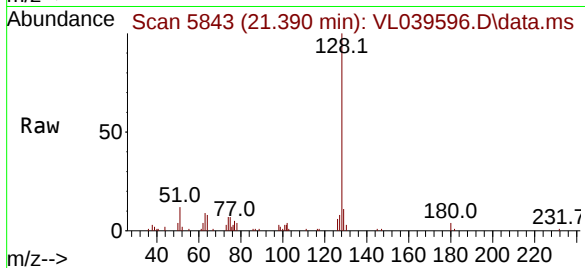
MDL-AIR-03-QT3-2022

Tgt Ion:128 Resp: 62570
 Ion Ratio Lower Upper
 128 100
 127 7.5 10.6 15.8
 129 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#80

Naphthalene,2-methyl-

Concen: 0.128 ppbv

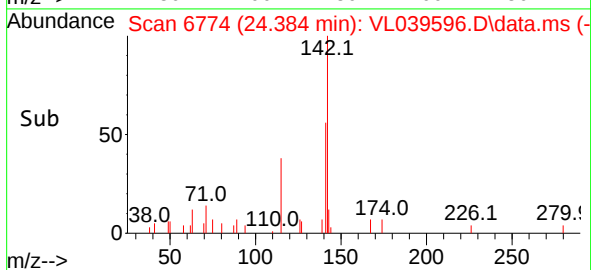
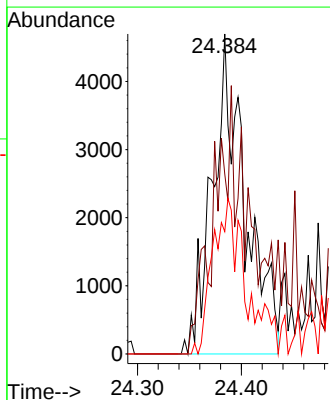
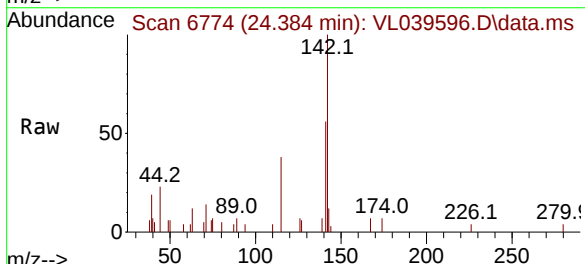
RT: 24.384 min Scan# 6774

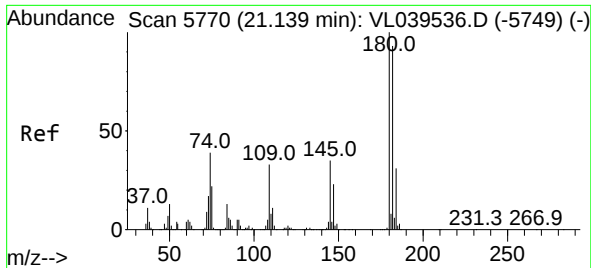
Delta R.T. 0.007 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Tgt Ion:142 Resp: 10212
 Ion Ratio Lower Upper
 142 100
 141 108.6 68.9 103.3#
 115 49.3 30.0 45.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.350 ppbv m

RT: 21.156 min Scan# 51

Delta R.T. 0.017 min

Lab File: VL039596.D

Acq: 26 Aug 2022 9:42

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion:180 Resp: 4603

Ion Ratio Lower Upper

180 100

182 0.0 77.1 115.7

184 0.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022

