

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041027.D
 Acq On : 25 Jan 2024 13:23
 Operator : SY/MD
 Sample : P1187-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:26:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1090537	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2869415	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2484337	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.760 95 1868080 9.955 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	124431	0.517	ppbv	92
3) Chlorodifluoromethane	2.661	51	95805	0.522	ppbv	98
4) Chloromethane	2.799	50	35856	0.522	ppbv	98
5) Vinyl Chloride	2.906	62	32887	0.488	ppbv	98
6) Bromomethane	3.105	94	16094	0.548	ppbv #	79
7) Chloroethane	3.182	64	12039	0.496	ppbv #	83
8) Dichlorotetrafluoroethane	2.844	85	89336	0.496	ppbv	97
9) Propene	2.677	41	30596	0.509	ppbv	98
10) Heptane	7.561	43	65355m	0.441	ppbv	
11) Trichlorofluoromethane	3.549	101	93616	0.482	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.050	101	69457	0.494	ppbv	98
13) Ethanol	3.240	45	7713m	0.538	ppbv	
14) Bromoethene	3.353	108	25614	0.474	ppbv #	88
15) Acetone	3.468	43	75292	0.540	ppbv	92
16) 1,3-Butadiene	2.970	39	28236	0.423	ppbv	89
17) tert-Butyl alcohol	3.880	59	62597	0.547	ppbv #	93
18) 1,1-Dichloroethene	3.867	96	26414	0.439	ppbv	94
19) Isopropyl Alcohol	3.581	45	44404m	0.550	ppbv	
20) Methylene Chloride	3.918	84	35877m	0.669	ppbv	
21) Allyl Chloride	3.983	41	39152	0.462	ppbv	90
22) trans-1,2-Dichloroethene	4.433	96	27432	0.442	ppbv	87
23) Vinyl Acetate	4.619	43	60040	0.418	ppbv #	93
24) 1,1-Dichloroethane	4.552	63	60086m	0.471	ppbv	
25) Ethyl Acetate	5.198	43	120843	0.478	ppbv	98
26) Hexane	5.198	57	55876	0.518	ppbv	93
27) Carbon Disulfide	4.115	76	65615	0.468	ppbv #	86
28) Methyl tert-Butyl Ether	4.584	73	40263	0.450	ppbv	99
29) Chloroform	5.259	83	93393	0.489	ppbv	100
30) Cyclohexane	6.584	84	39774m	0.440	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	48905	0.483	ppbv	95
32) 1,1,1-Trichloroethane	5.983	97	90887	0.497	ppbv	97
34) 2-Butanone	4.783	43	60107	0.440	ppbv #	89
35) Carbon Tetrachloride	6.481	117	90588m	0.473	ppbv	
36) Benzene	6.359	78	109293	0.461	ppbv #	91
37) 1,2-Dichloroethane	5.793	62	69065	0.478	ppbv	98
38) Trichloroethene	7.282	130	41447m	0.436	ppbv	
39) 1,2-Dichloropropane	7.057	63	46634m	0.500	ppbv	
40) 1,4-Dioxane	7.304	88	20423m	0.527	ppbv	
41) Tetrahydrofuran	5.571	42	40485m	0.436	ppbv	
42) Bromodichloromethane	7.233	83	90557	0.438	ppbv	92
43) Methyl Methacrylate	7.471	69	36478m	0.399	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	182586m	0.458	ppbv	
45) t-1,3-Dichloropropene	8.703	75	24452m	0.391	ppbv	

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

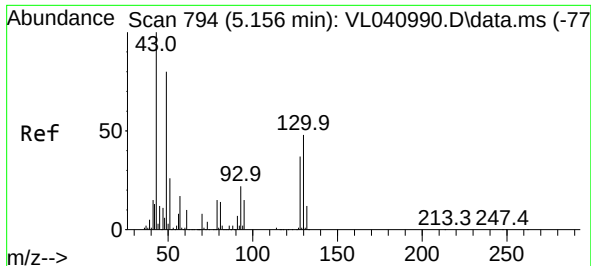
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	32923m	0.423	ppbv	
47) 1,1,2-Trichloroethane	8.892	97	46380m	0.461	ppbv	
48) Dibromochloromethane	9.696	129	71422m	0.420	ppbv	
49) Bromoform	12.397	173	51568m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.185	43	99018m	0.411	ppbv	
51) 2-Hexanone	9.561	43	65282m	0.376	ppbv	
52) Tetrachloroethene	10.606	164	37700m	0.479	ppbv	
53) Toluene	9.208	91	103682	0.399	ppbv	98
54) 1,2-Dibromoethane	9.989	107	59258m	0.435	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.490	131	56401	0.473	ppbv #	1
57) Chlorobenzene	11.510	112	99006	0.495	ppbv	95
58) Ethyl Benzene	12.076	91	139630	0.419	ppbv	91
59) m/p-Xylene	12.362	91	258553m	0.889	ppbv	
60) o-Xylene	13.043	91	118784	0.426	ppbv	96
61) Styrene	12.889	104	47822m	0.373	ppbv	
62) Isopropylbenzene	14.018	105	185704	0.450	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	103782m	0.479	ppbv	
64) n-propylbenzene	14.899	120	42456m	0.407	ppbv	
65) tert-Butylbenzene	16.085	119	153622m	0.426	ppbv	
66) Benzyl Chloride	16.313	91	11969m	0.507	ppbv	
67) sec-Butylbenzene	16.622	105	231775	0.441	ppbv	98
69) p-Isopropyltoluene	16.985	119	170940m	0.420	ppbv	
70) n-Butylbenzene	17.879	91	190507m	0.433	ppbv	
71) 2-Chlorotoluene	14.789	91	142568	0.448	ppbv	99
72) 4-Ethyltoluene	15.175	105	126794m	0.407	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	112117	0.405	ppbv	92
74) 1,2,4-Trimethylbenzene	16.088	105	136091m	0.434	ppbv	
75) 1,3-Dichlorobenzene	16.317	146	79170m	0.444	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	85800m	0.487	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	85987m	0.485	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	55744m	0.487	ppbv	
79) Naphthalene	21.387	128	82006m	0.458	ppbv	
80) Naphthalene,2-methyl-	24.410	142	19415m	0.618	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	47622m	0.456	ppbv	

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



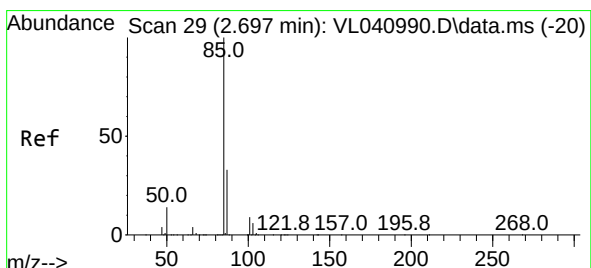
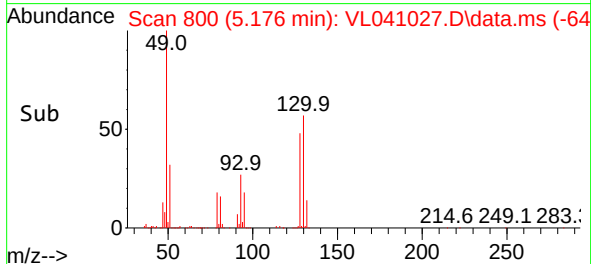
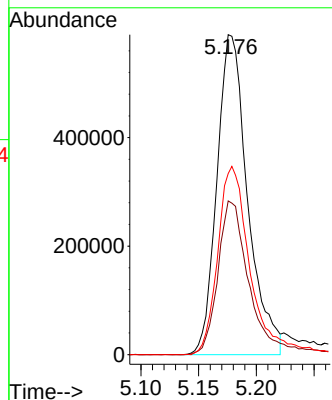
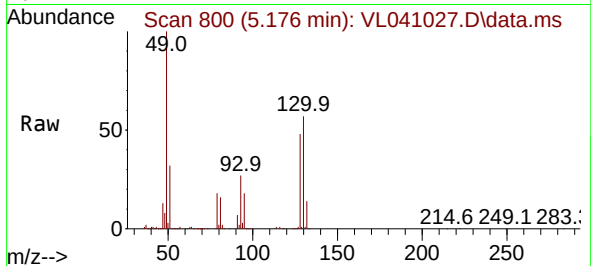
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 49 Resp: 109053
Ion Ratio Lower Upper
49 100
128 50.8 23.9 71.7
130 64.1 31.1 93.5

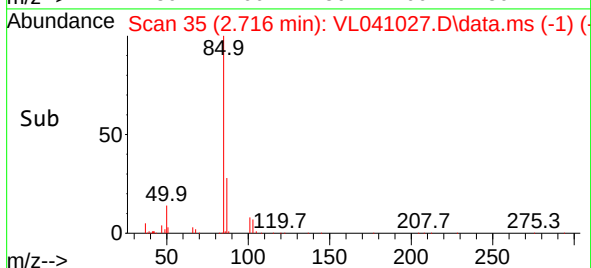
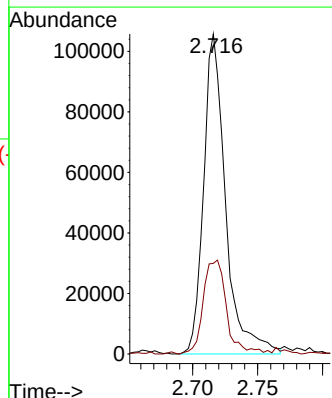
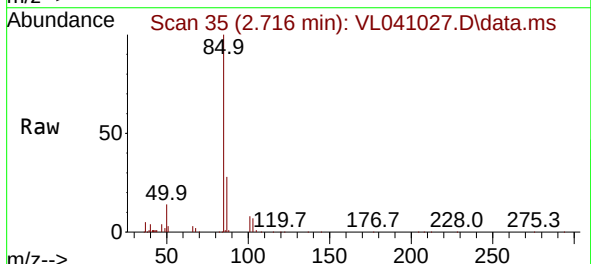
Manual Integrations
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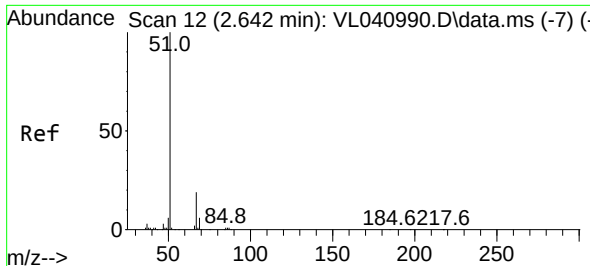
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#2
Dichlorodifluoromethane
Concen: 0.517 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

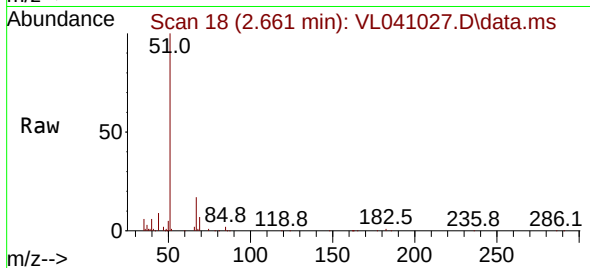
Tgt Ion: 85 Resp: 124431
Ion Ratio Lower Upper
85 100
87 28.3 26.3 39.5





#3
Chlorodifluoromethane
Concen: 0.522 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

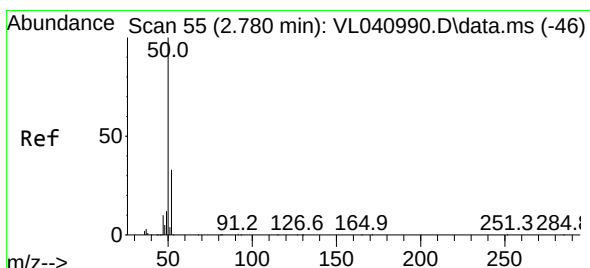
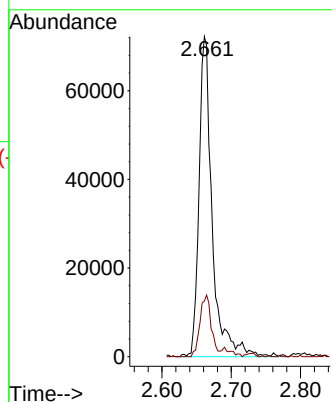
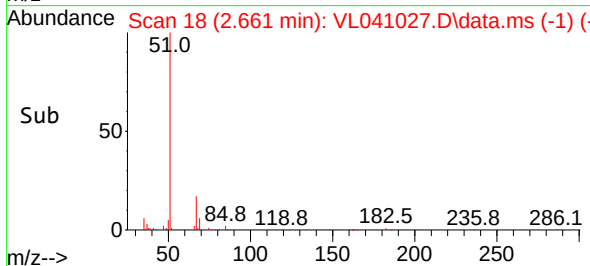
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



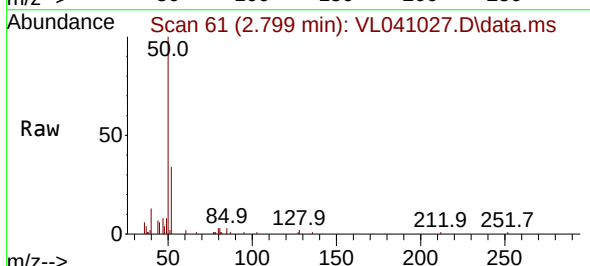
Tgt Ion: 51 Resp: 9580
Ion Ratio Lower Upper
51 100
67 19.2 14.8 22.2

Manual Integrations
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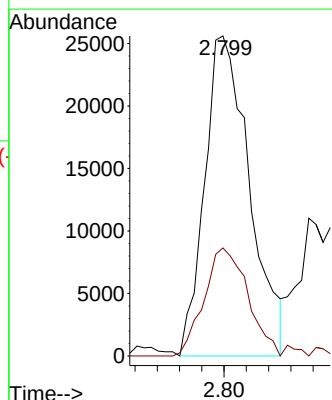
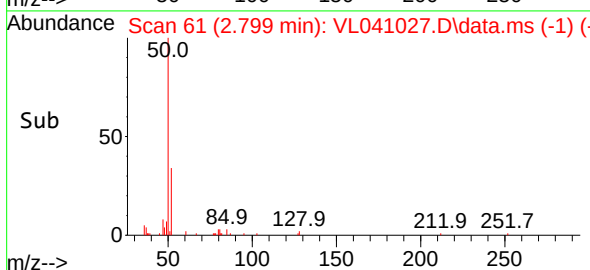
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

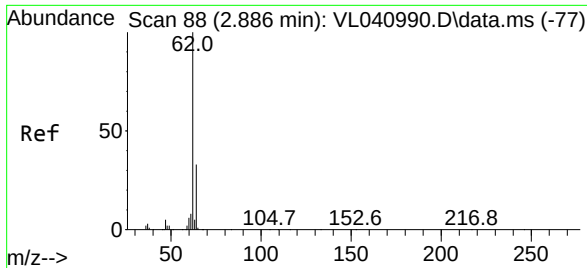


#4
Chloromethane
Concen: 0.522 ppbv
RT: 2.799 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



Tgt Ion: 50 Resp: 35856
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.4





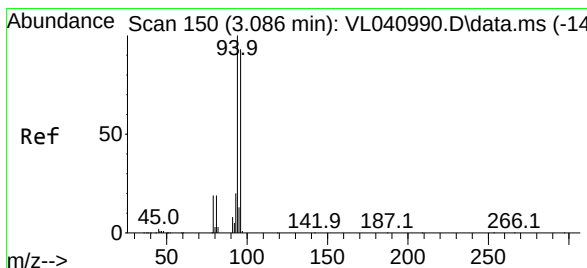
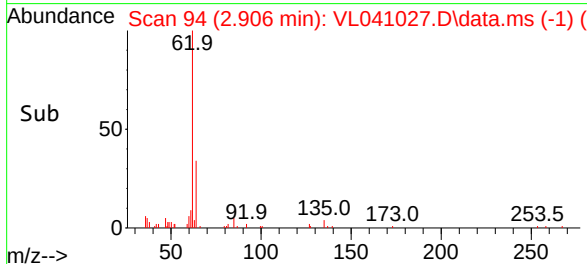
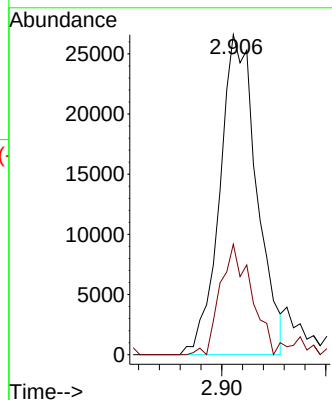
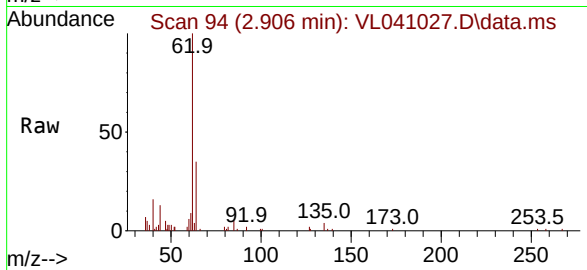
#5
 Vinyl Chloride
 Concen: 0.488 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL

Tgt Ion: 62 Resp: 3288
 Ion Ratio Lower Upper
 62 100
 64 34.5 26.6 40.0

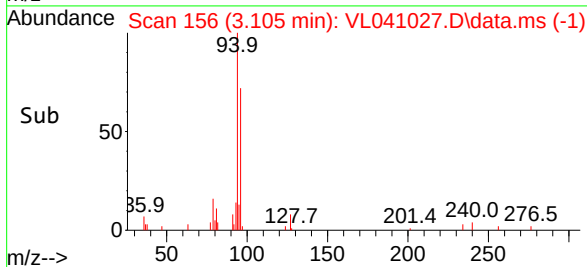
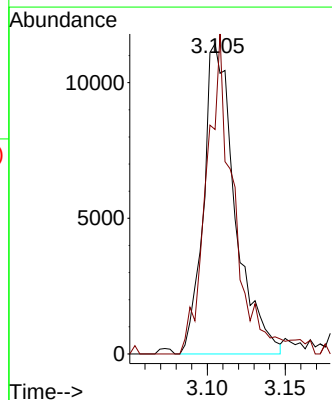
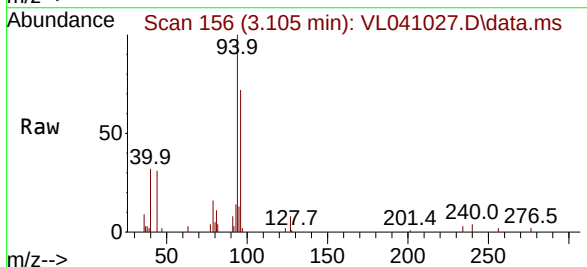
Manual Integrations
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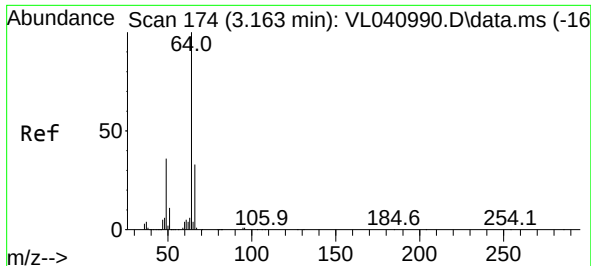
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#6
 Bromomethane
 Concen: 0.548 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. -0.000 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

Tgt Ion: 94 Resp: 16094
 Ion Ratio Lower Upper
 94 100
 96 72.4 74.2 111.4#





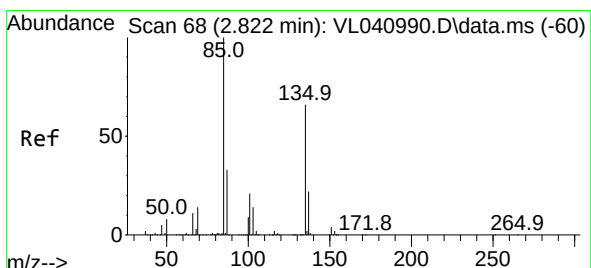
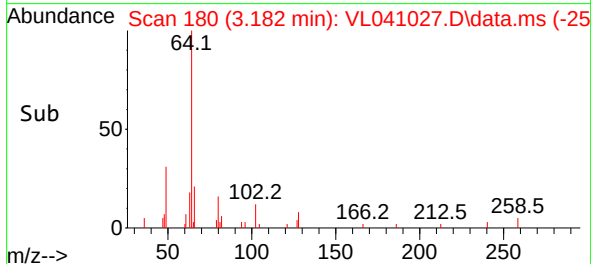
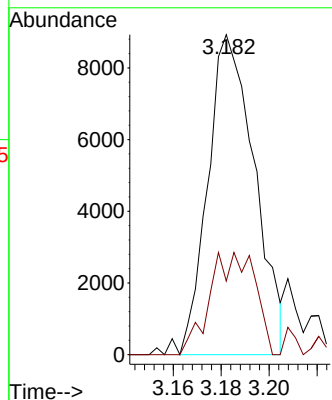
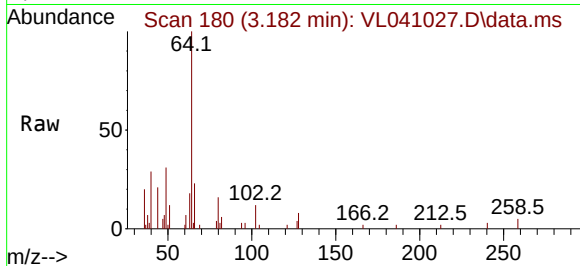
#7
Chloroethane
Concen: 0.496 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2024DL

Tgt Ion: 64 Resp: 12039
Ion Ratio Lower Upper
64 100
66 23.0 26.0 39.0

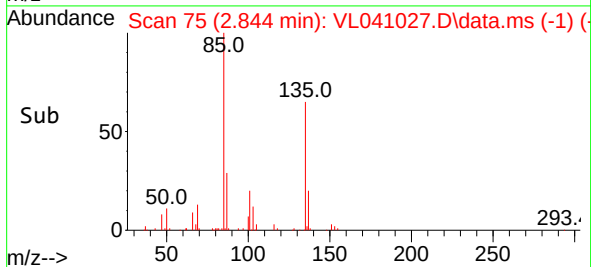
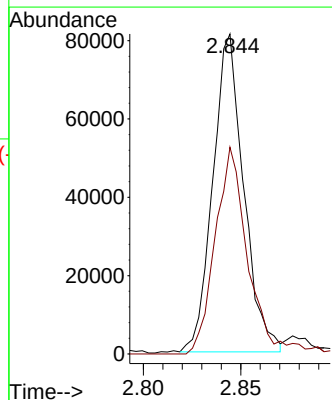
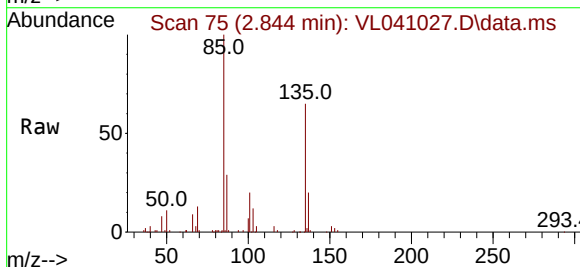
Manual Integrations
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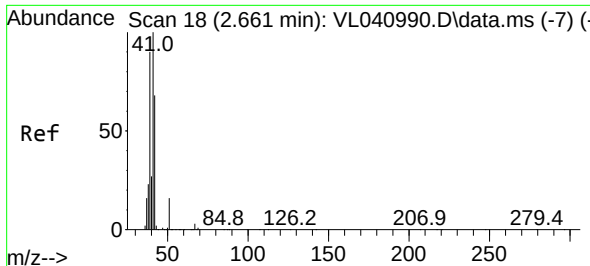
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#8
Dichlorotetrafluoroethane
Concen: 0.496 ppbv
RT: 2.844 min Scan# 75
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

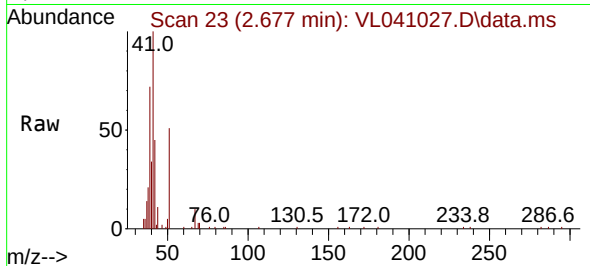
Tgt Ion: 85 Resp: 89336
Ion Ratio Lower Upper
85 100
135 71.2 55.0 82.6





#9
 Propene
 Concen: 0.509 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

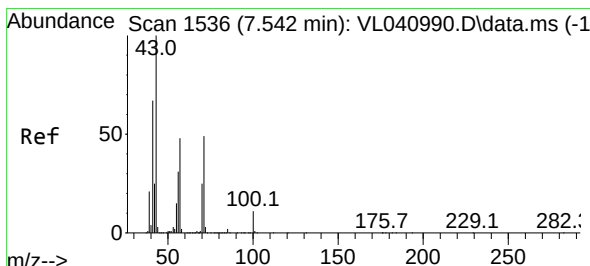
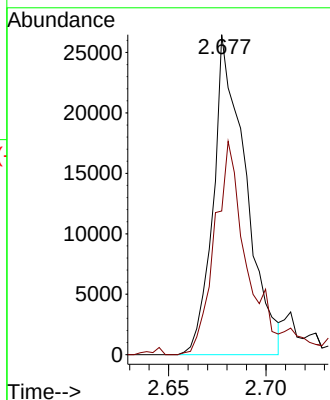
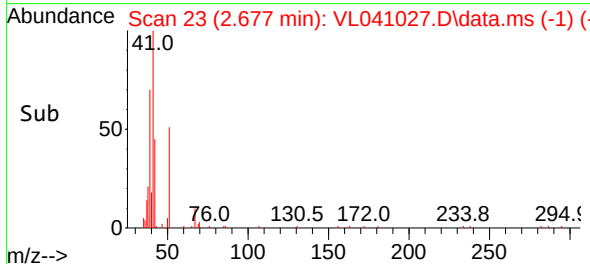
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL



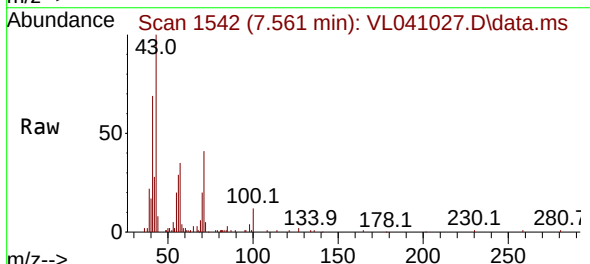
Tgt Ion: 41 Resp: 30590
 Ion Ratio Lower Upper
 41 100
 42 75.2 59.0 88.4

Manual Integrations
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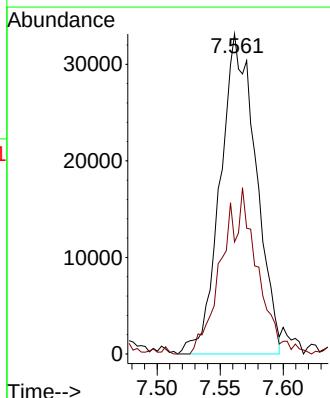
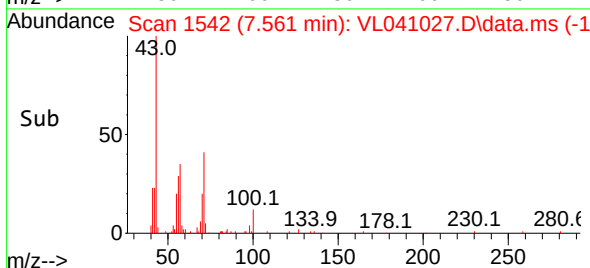
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

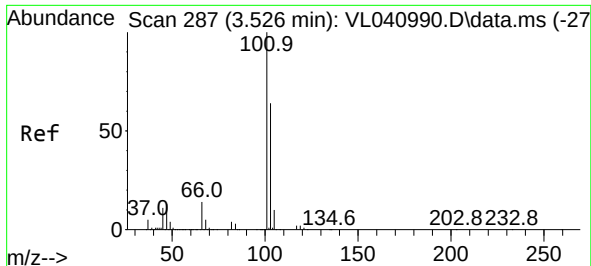


#10
 Heptane
 Concen: 0.441 ppbv m
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.003 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23



Tgt Ion: 43 Resp: 65355
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.4 59.2#





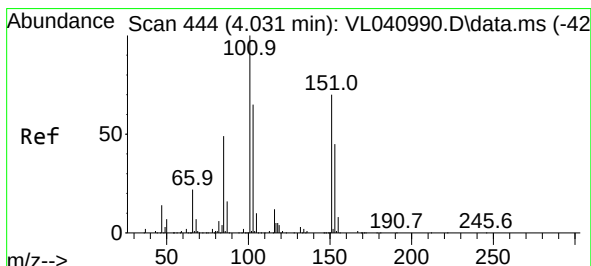
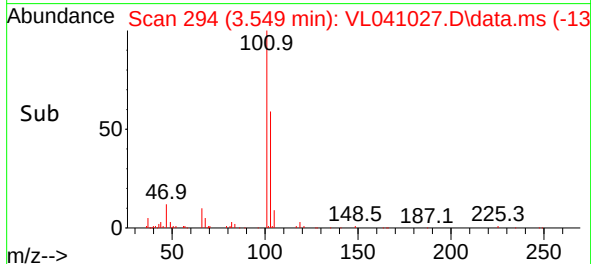
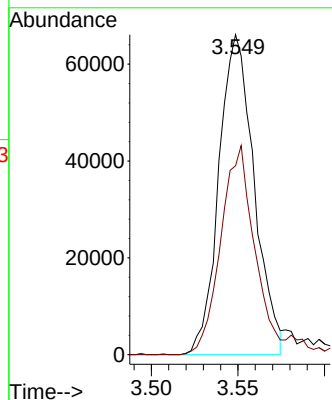
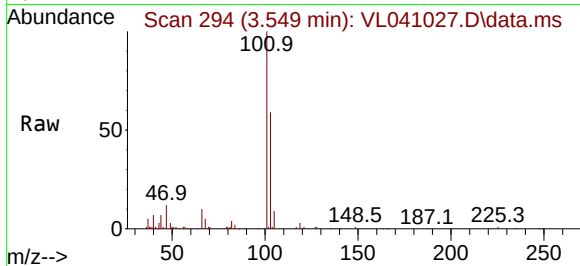
#11
Trichlorofluoromethane
Concen: 0.482 ppbv
RT: 3.549 min Scan# 294
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion:101 Resp: 93610
Ion Ratio Lower Upper
101 100
103 59.0 51.4 77.2

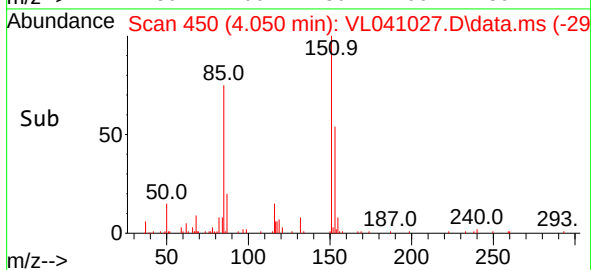
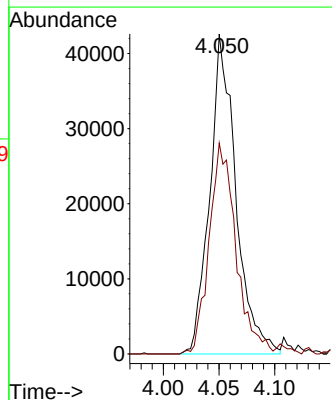
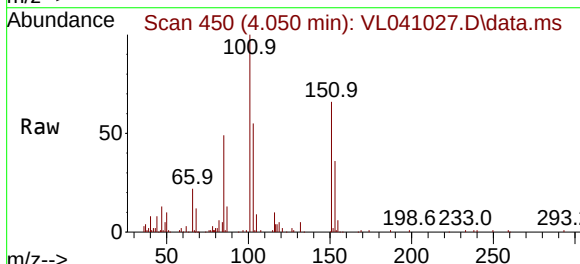
Manual Integrations
APPROVED

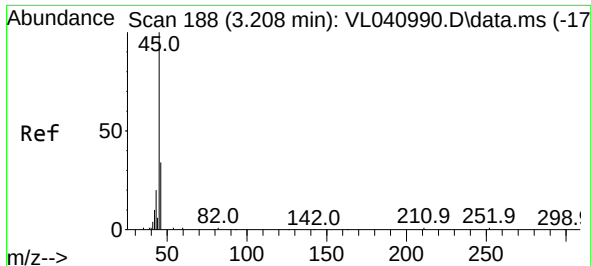
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.494 ppbv
RT: 4.050 min Scan# 450
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion:101 Resp: 69457
Ion Ratio Lower Upper
101 100
151 69.0 56.6 85.0





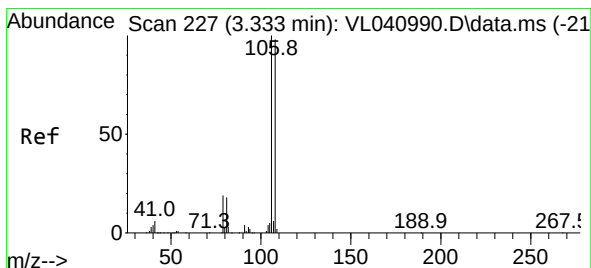
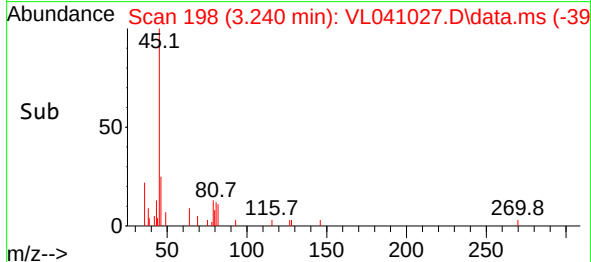
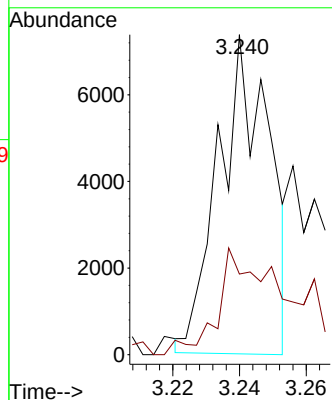
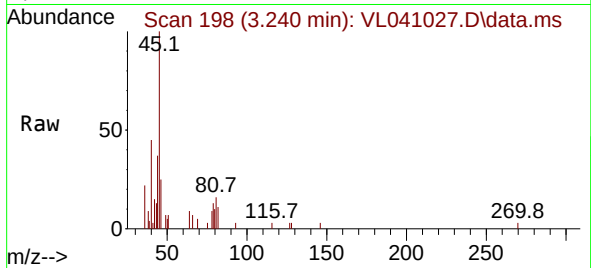
#13
Ethanol
Concen: 0.538 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. 0.013 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 45 Resp: 771
Ion Ratio Lower Upper
45 100
46 58.3 16.2 64.8

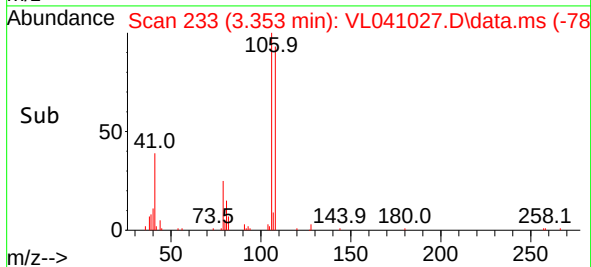
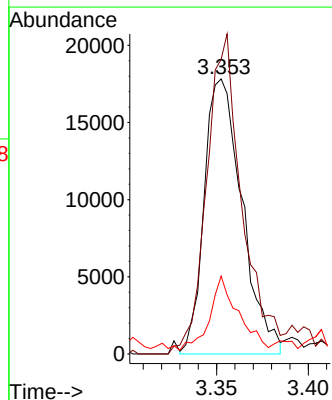
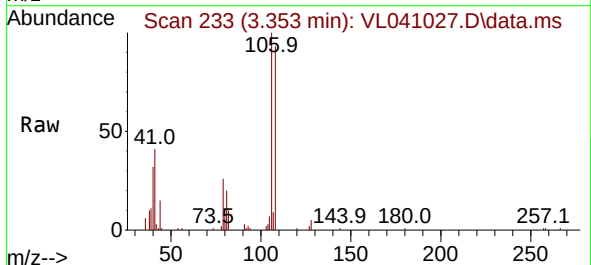
Manual Integrations
APPROVED

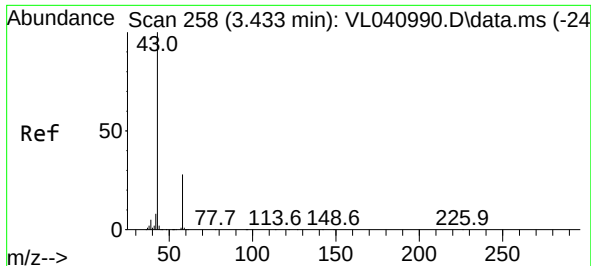
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#14
Bromoethene
Concen: 0.474 ppbv
RT: 3.353 min Scan# 233
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

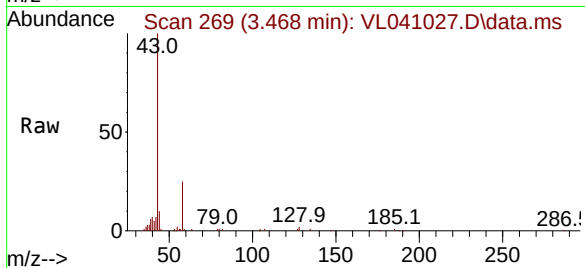
Tgt Ion:108 Resp: 25614
Ion Ratio Lower Upper
108 100
106 116.3 86.4 129.6
79 34.7 16.2 24.4#





#15
Acetone
Concen: 0.540 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

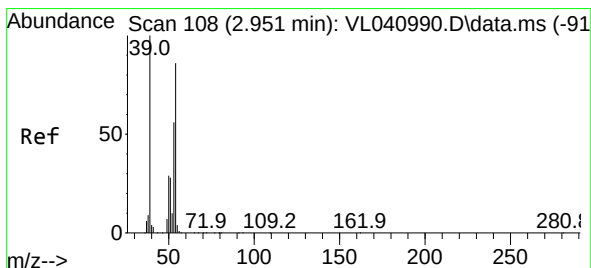
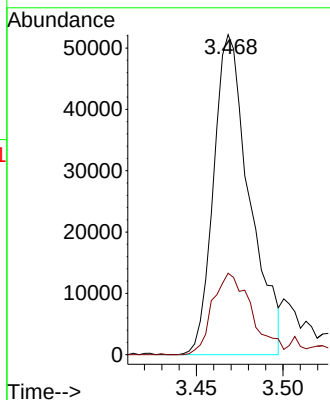
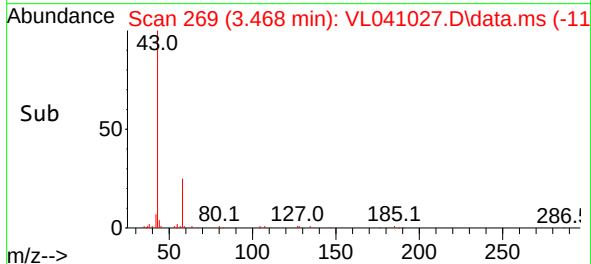
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



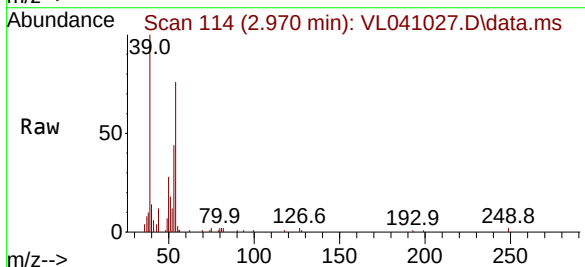
Tgt Ion: 43 Resp: 75292
Ion Ratio Lower Upper
43 100
58 31.9 22.2 33.2

Manual Integrations
APPROVED

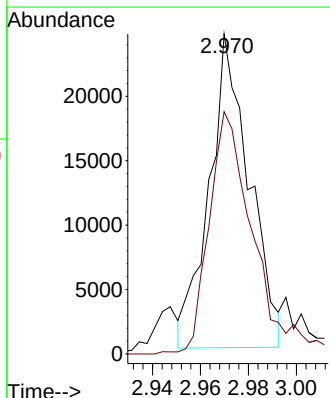
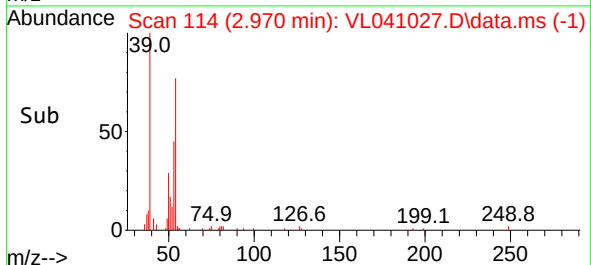
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

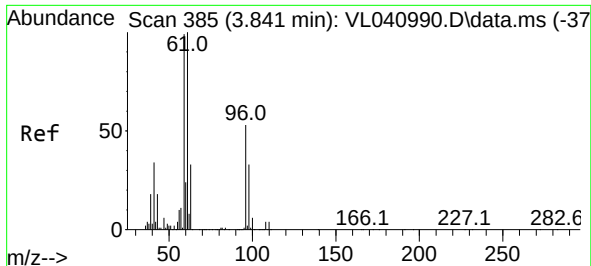


#16
1,3-Butadiene
Concen: 0.423 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



Tgt Ion: 39 Resp: 28236
Ion Ratio Lower Upper
39 100
54 88.2 62.7 94.1





#17

tert-Butyl alcohol

Concen: 0.547 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.016 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

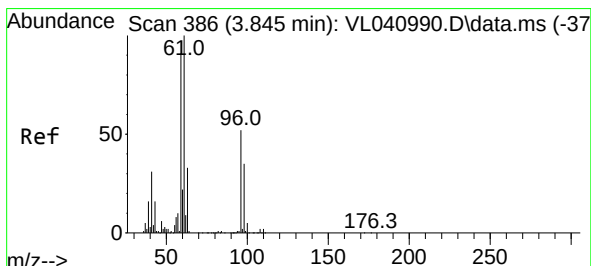
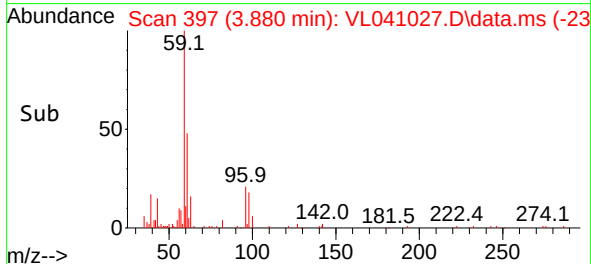
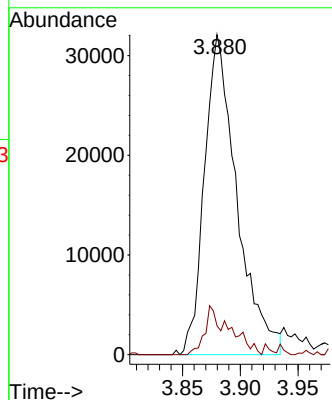
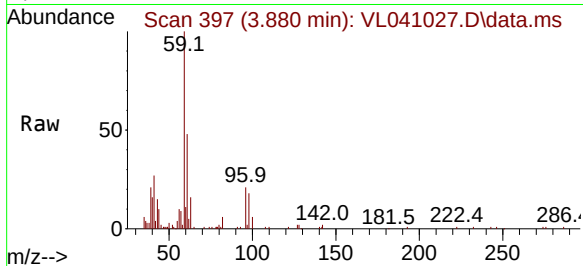
MDL-AIR-03-QT1-2024DL

Tgt Ion: 59 Resp: 6259
 Ion Ratio Lower Upper
 59 100
 57 13.5 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#18

1,1-Dichloroethene

Concen: 0.439 ppbv

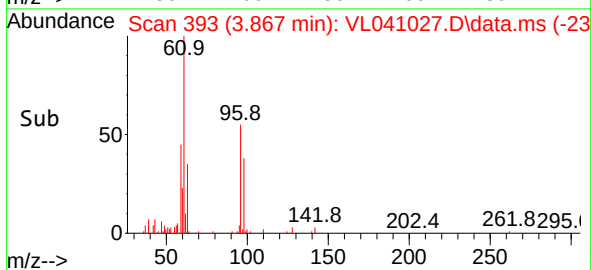
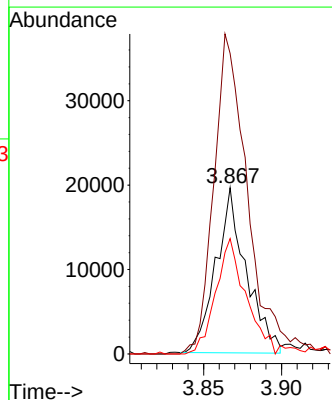
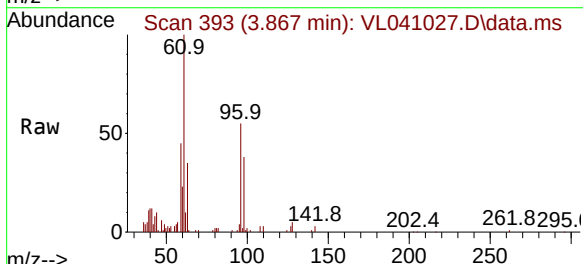
RT: 3.867 min Scan# 393

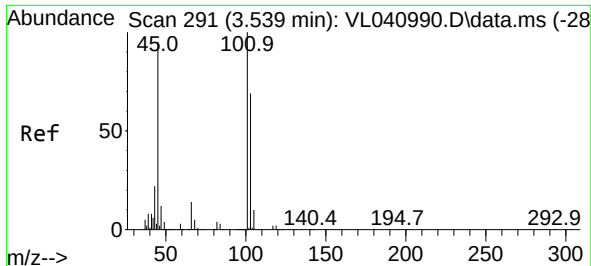
Delta R.T. -0.000 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

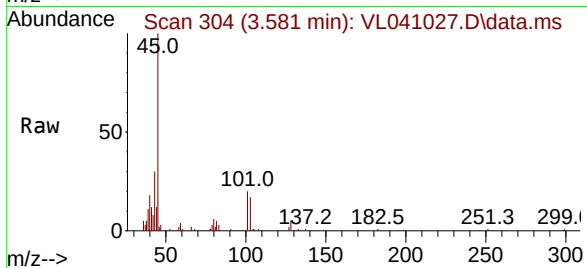
Tgt Ion: 96 Resp: 26414
 Ion Ratio Lower Upper
 96 100
 61 182.3 153.8 230.8
 98 70.0 53.7 80.5





#19
Isopropyl Alcohol
Concen: 0.550 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.019 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

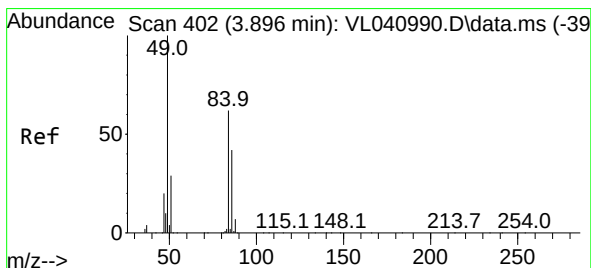
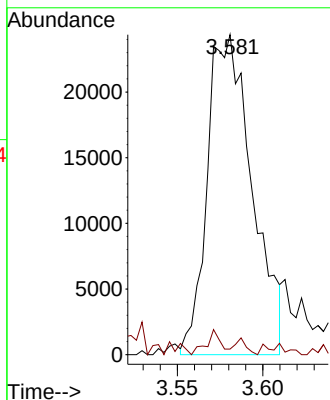
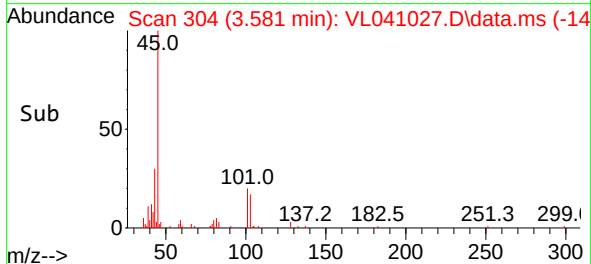
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 45 Resp: 44404
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.4

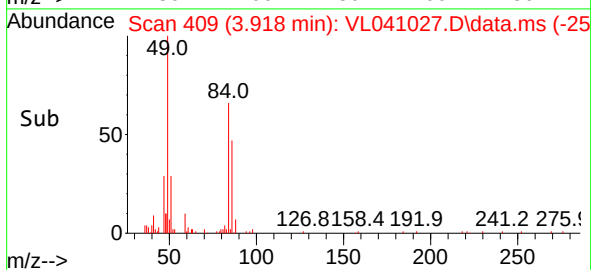
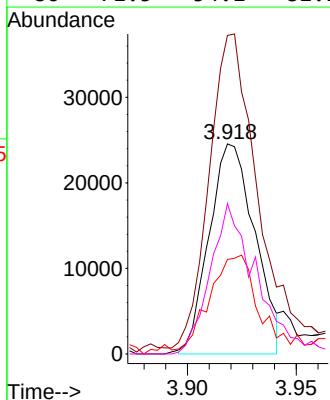
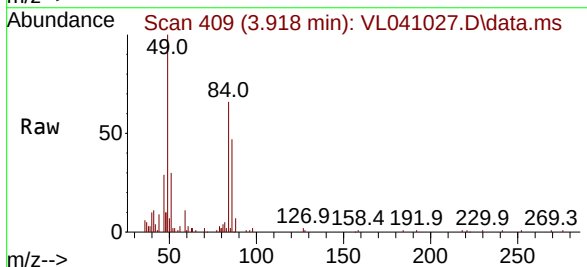
Manual Integrations
APPROVED

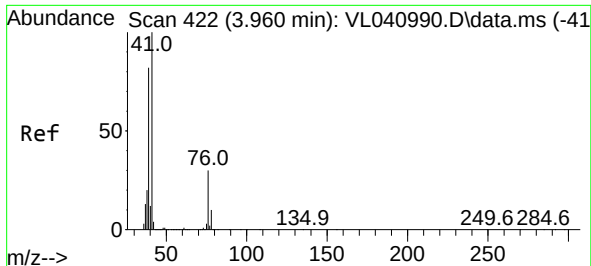
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#20
Methylene Chloride
Concen: 0.669 ppbv m
RT: 3.918 min Scan# 409
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

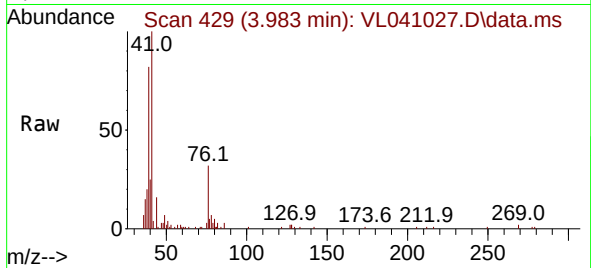
Tgt Ion: 84 Resp: 35877
Ion Ratio Lower Upper
84 100
49 151.6 128.1 192.1
51 45.0 36.5 54.7
86 71.5 54.1 81.1





#21
 Allyl Chloride
 Concen: 0.462 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

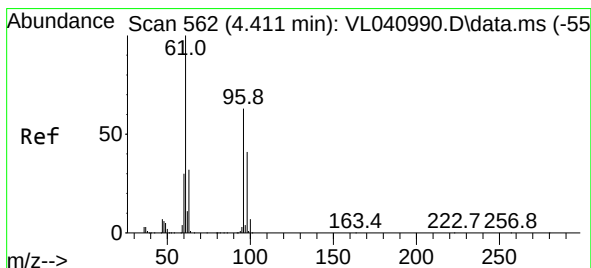
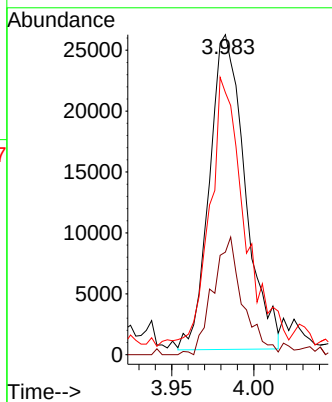
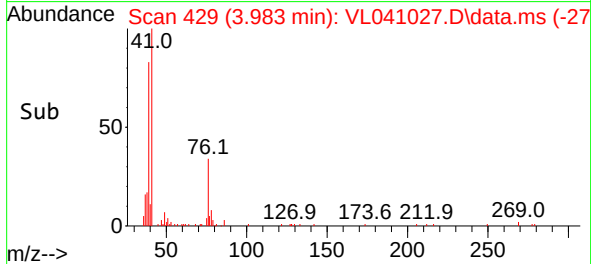
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL



Tgt Ion: 41 Resp: 39152
 Ion Ratio Lower Upper
 41 100
 76 33.9 25.0 37.4
 39 94.0 67.0 100.6

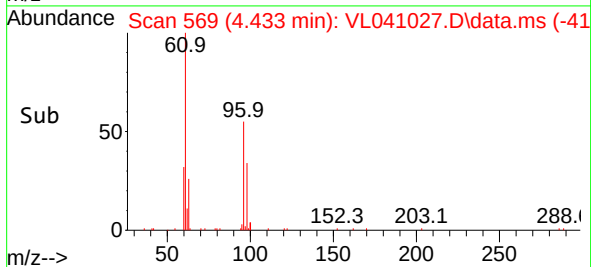
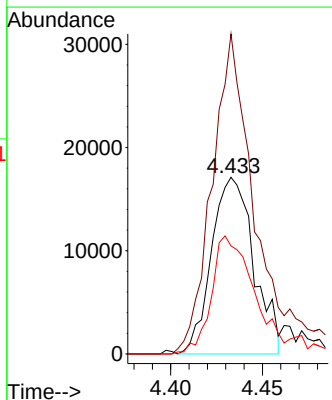
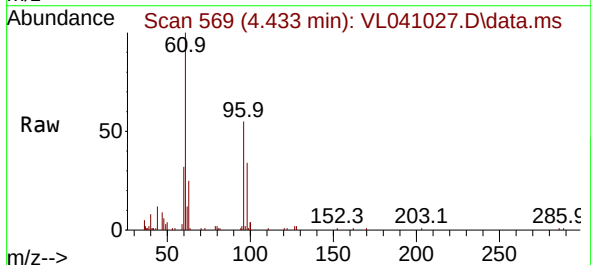
Manual Integrations
 APPROVED

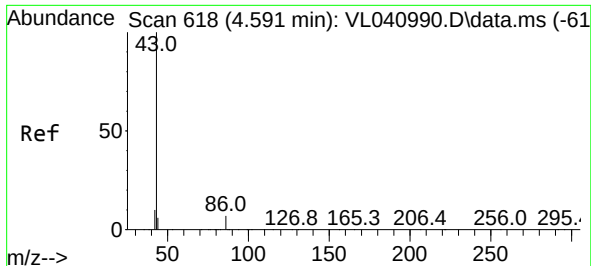
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.442 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. -0.000 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

Tgt Ion: 96 Resp: 27432
 Ion Ratio Lower Upper
 96 100
 61 178.2 126.0 189.0
 98 60.0 51.2 76.8





#23
 Vinyl Acetate
 Concen: 0.418 ppbv
 RT: 4.619 min Scan# 604
 Delta R.T. 0.006 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

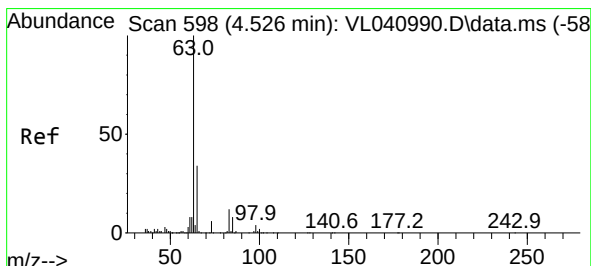
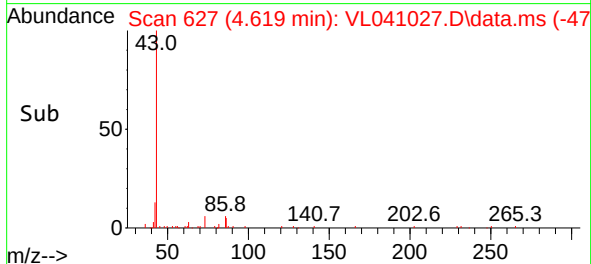
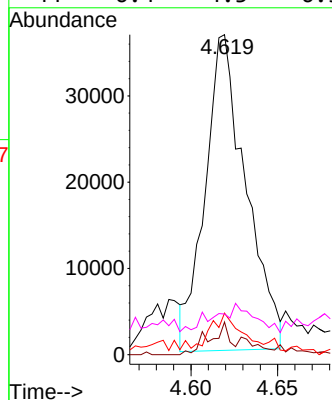
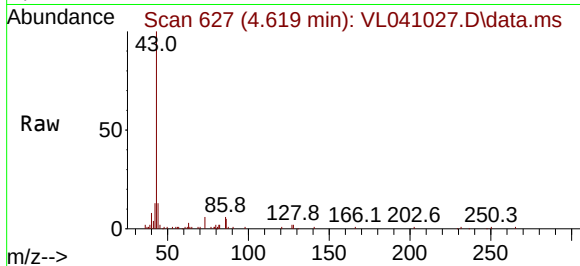
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL

Tgt Ion: 43 Resp: 60040

Ion	Ratio	Lower	Upper
43	100		
86	11.4	5.4	8.0
42	12.8	8.6	13.0
44	6.4	4.3	6.5

Manual Integrations
 APPROVED

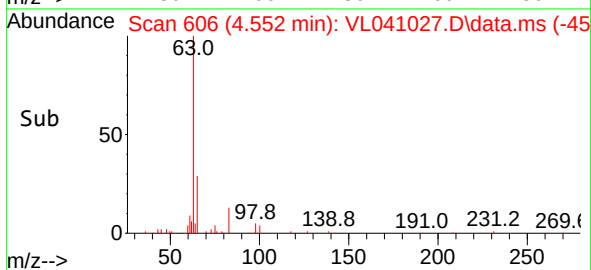
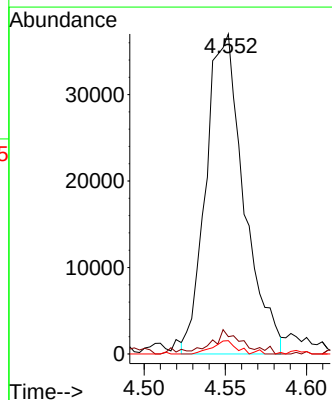
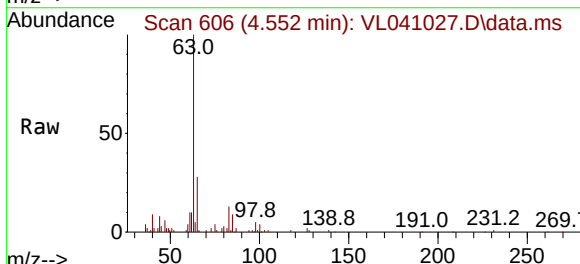
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

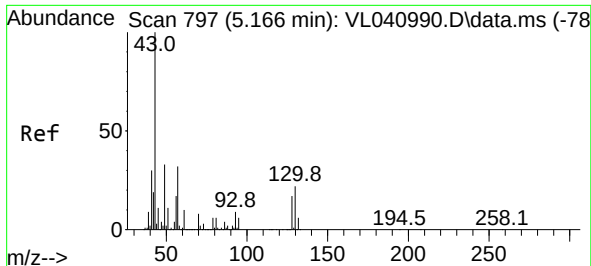


#24
 1,1-Dichloroethane
 Concen: 0.471 ppbv m
 RT: 4.552 min Scan# 606
 Delta R.T. -0.000 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

Tgt Ion: 63 Resp: 60086

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.1	6.3
100	4.1	1.3	3.9





#25

Ethyl Acetate

Concen: 0.478 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.006 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

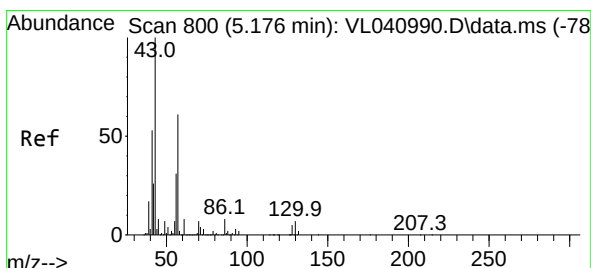
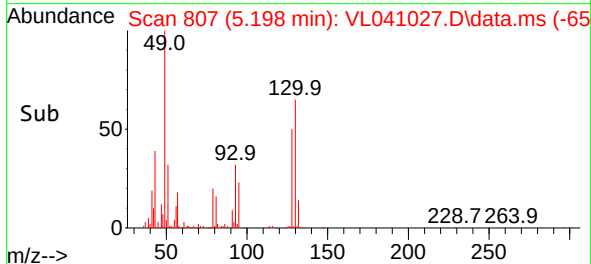
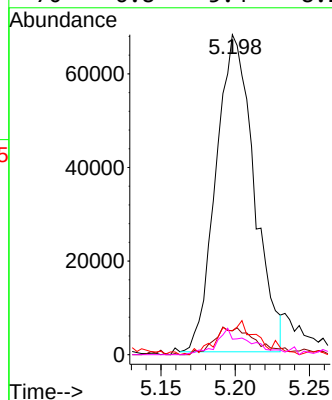
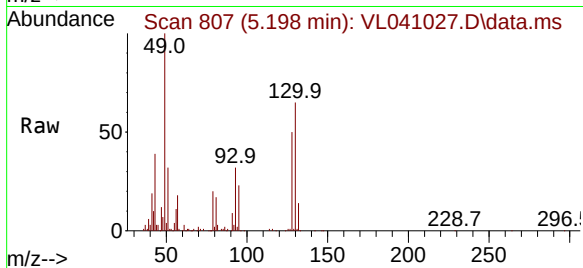
Tgt Ion: 43 Resp: 12084

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.4
61	11.9	7.9	11.9
70	6.8	5.4	8.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#26

Hexane

Concen: 0.518 ppbv

RT: 5.198 min Scan# 807

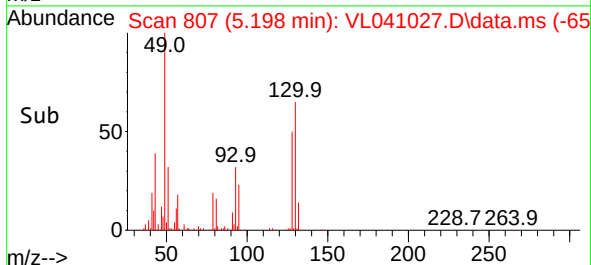
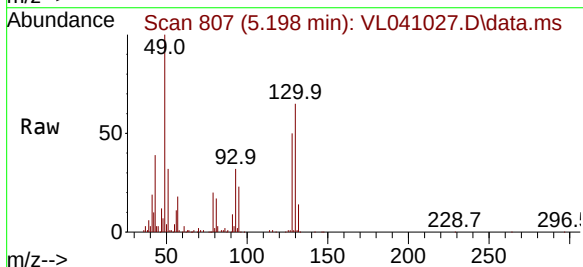
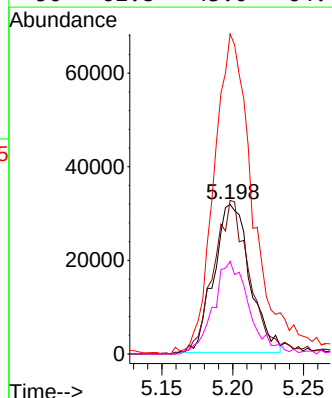
Delta R.T. -0.003 min

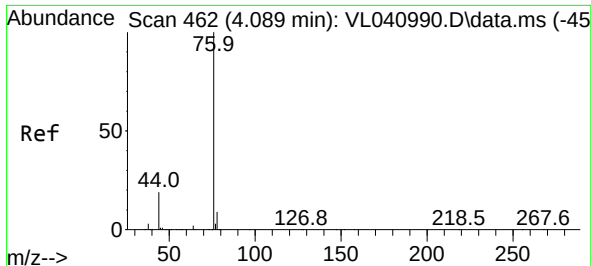
Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Tgt Ion: 57 Resp: 55876

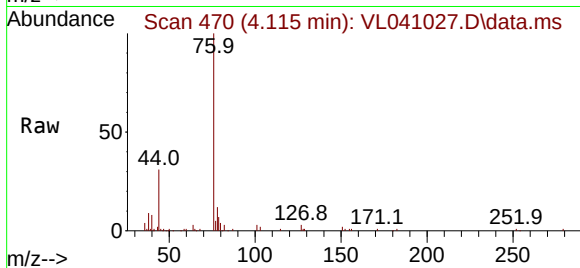
Ion	Ratio	Lower	Upper
57	100		
41	106.5	74.4	111.6
43	241.9	190.6	285.8
56	62.8	43.0	64.4





#27
Carbon Disulfide
Concen: 0.468 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

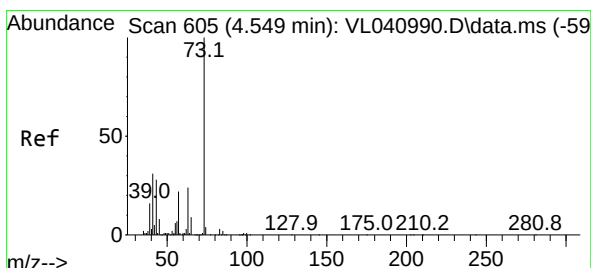
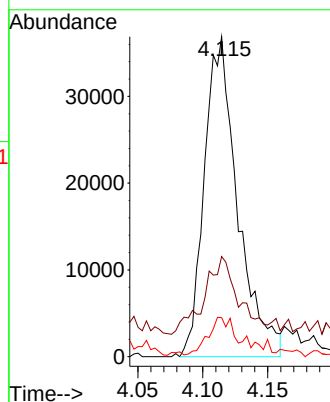
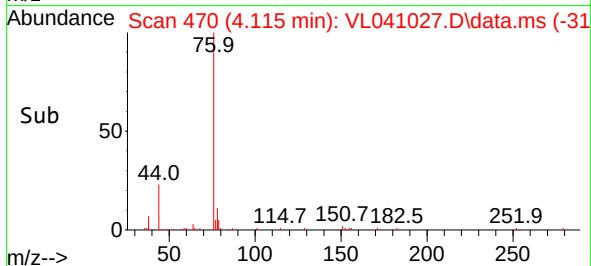
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 76 Resp: 6561
Ion Ratio Lower Upper
76 100
44 26.7 16.0 24.0
78 14.6 7.8 11.8

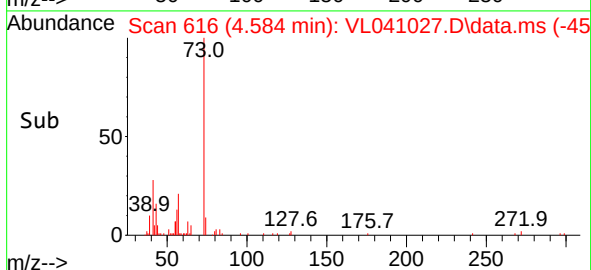
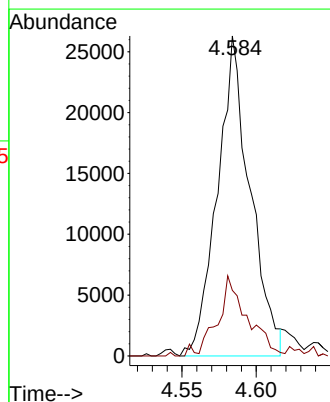
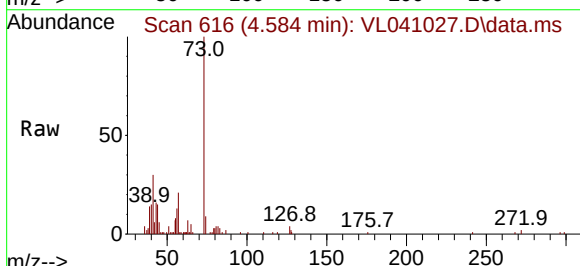
Manual Integrations
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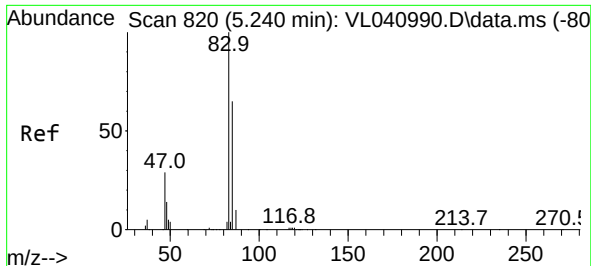
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#28
Methyl tert-Butyl Ether
Concen: 0.450 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.013 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion: 73 Resp: 40263
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0





#29

Chloroform

Concen: 0.489 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041027.D

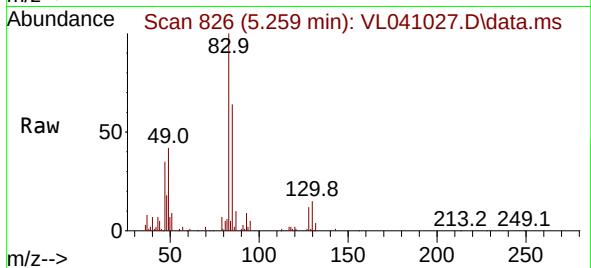
Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL



Tgt Ion: 83 Resp: 9339

Ion Ratio Lower Upper

83 100

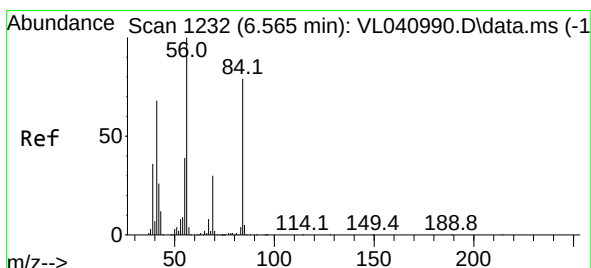
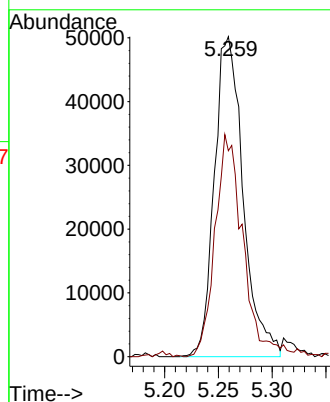
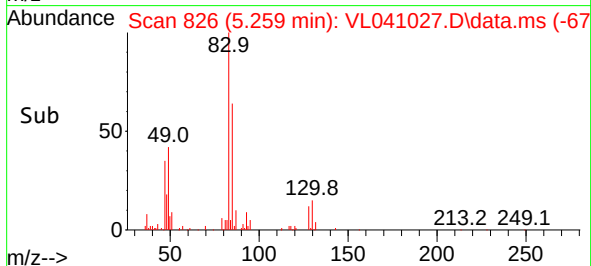
85 64.3 51.6 77.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#30

Cyclohexane

Concen: 0.440 ppbv m

RT: 6.584 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

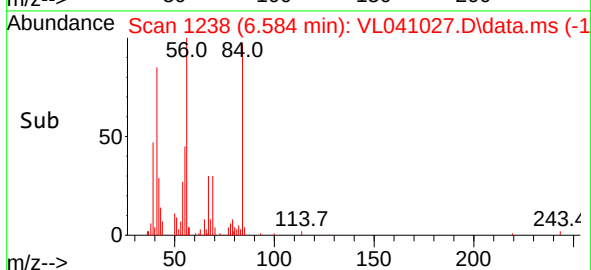
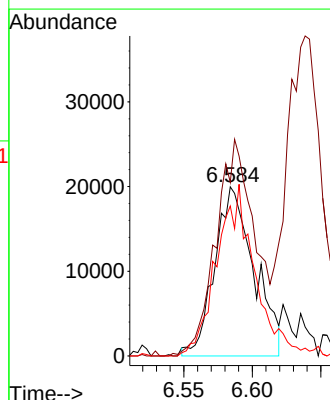
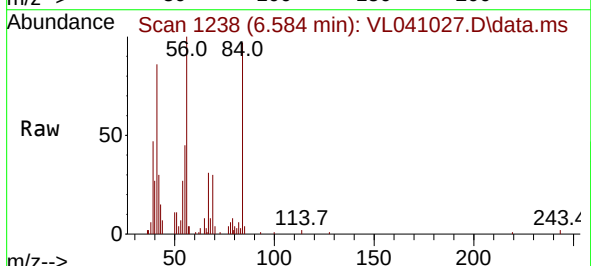
Tgt Ion: 84 Resp: 39774

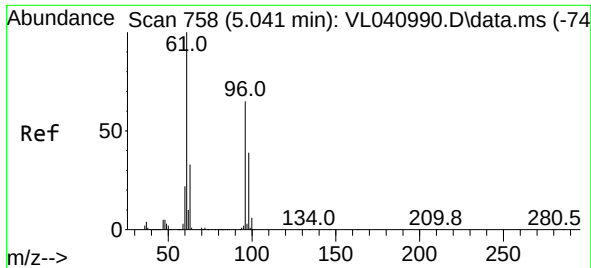
Ion Ratio Lower Upper

84 100

56 126.3 111.7 167.5

41 100.9 71.0 106.6





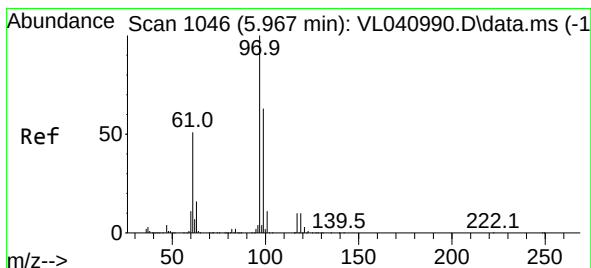
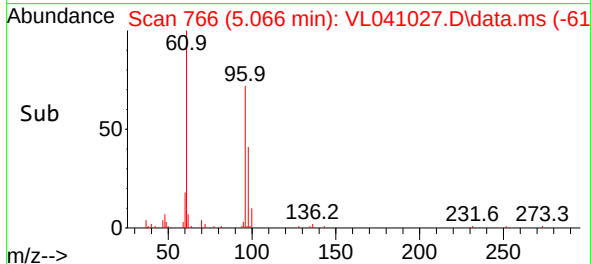
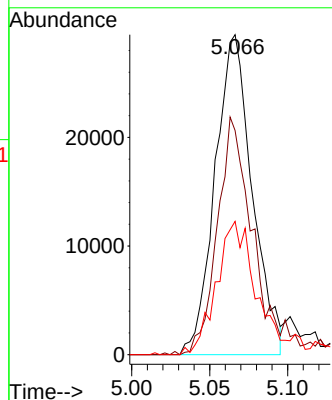
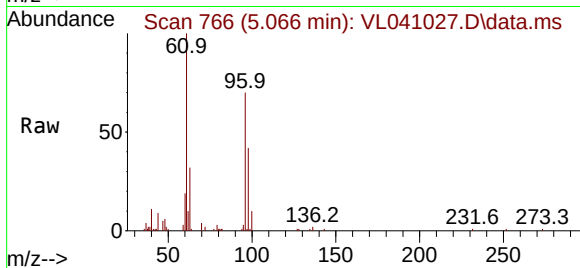
#31
cis-1,2-Dichloroethene
Concen: 0.483 ppbv
RT: 5.066 min Scan# 70
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 61 Resp: 4890
Ion Ratio Lower Upper
61 100
96 70.1 51.9 77.9
98 41.6 31.5 47.3

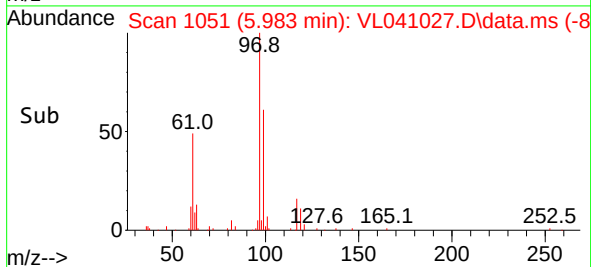
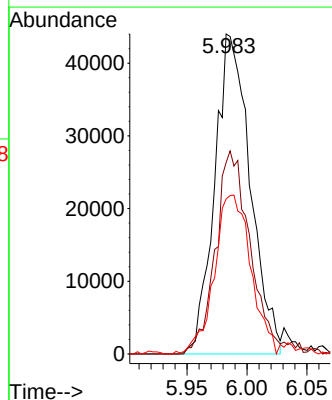
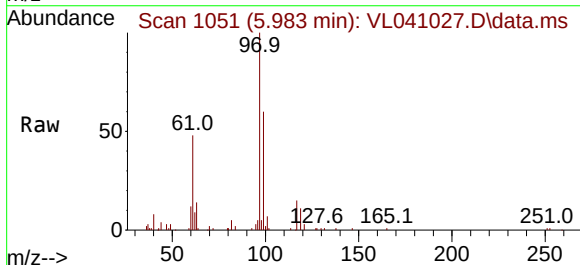
Manual Integrations
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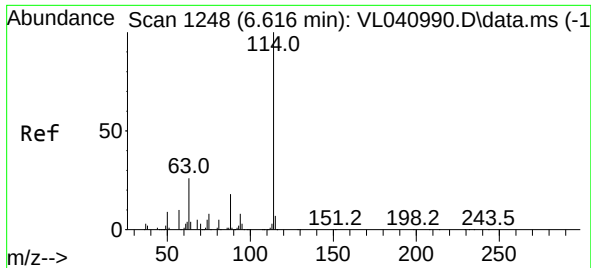
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#32
1,1,1-Trichloroethane
Concen: 0.497 ppbv
RT: 5.983 min Scan# 1051
Delta R.T. -0.010 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion: 97 Resp: 90887
Ion Ratio Lower Upper
97 100
99 63.1 51.5 77.3
61 52.9 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

Tgt Ion:114 Resp: 286941

Ion Ratio Lower Upper

114 100

63 25.5 20.8 31.2

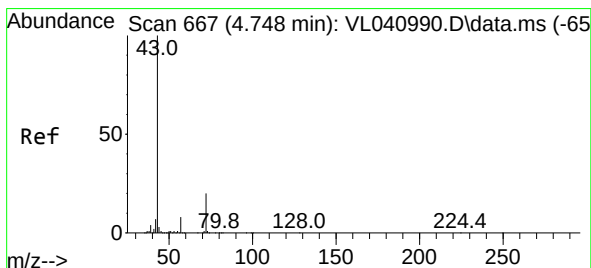
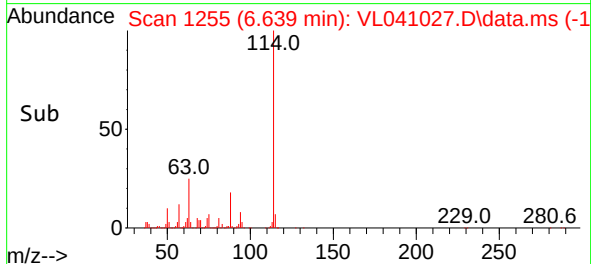
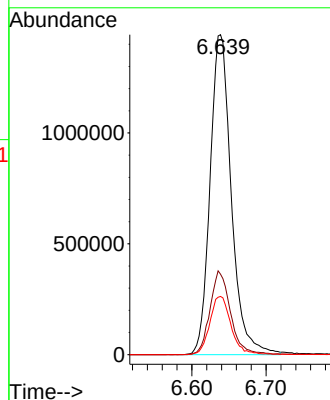
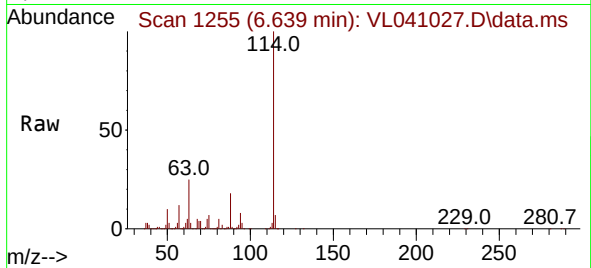
88 18.4 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#34

2-Butanone

Concen: 0.440 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.013 min

Lab File: VL041027.D

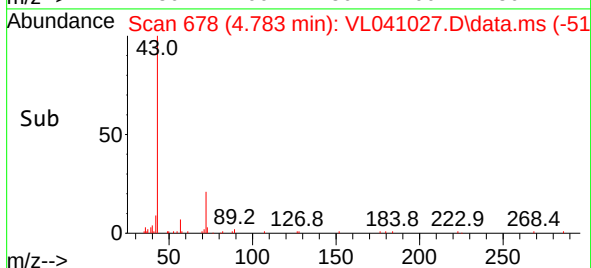
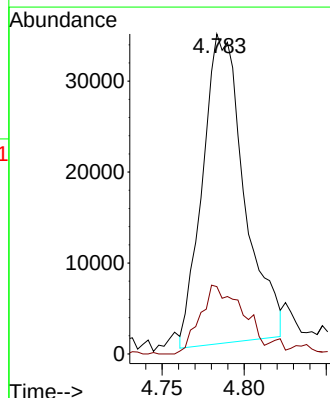
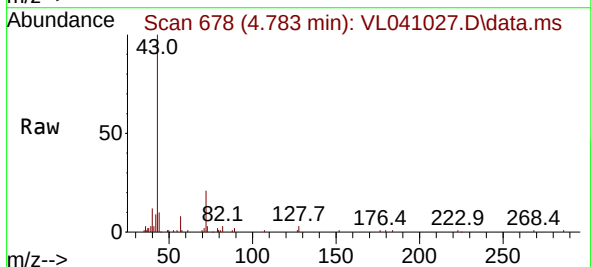
Acq: 25 Jan 2024 13:23

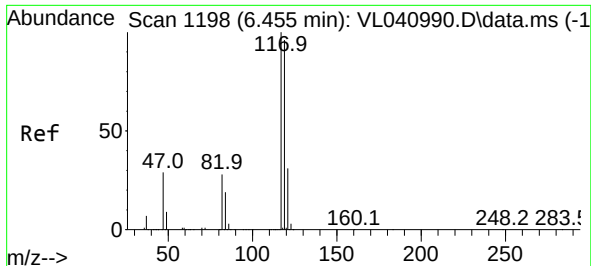
Tgt Ion: 43 Resp: 60107

Ion Ratio Lower Upper

43 100

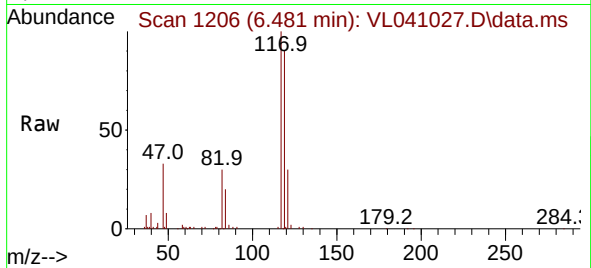
72 26.9 17.5 26.3#





#35
Carbon Tetrachloride
Concen: 0.473 ppbv m
RT: 6.481 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

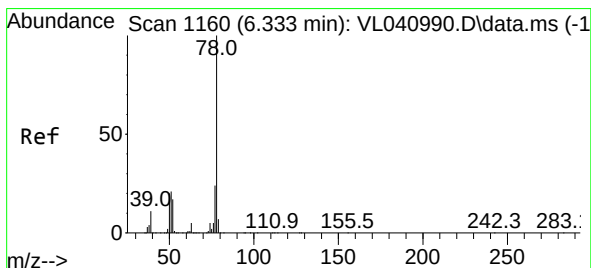
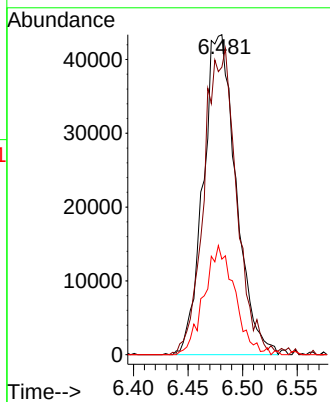
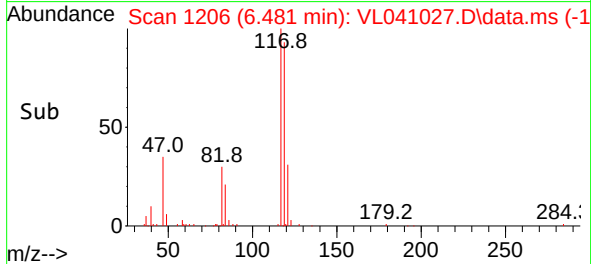
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2024DL



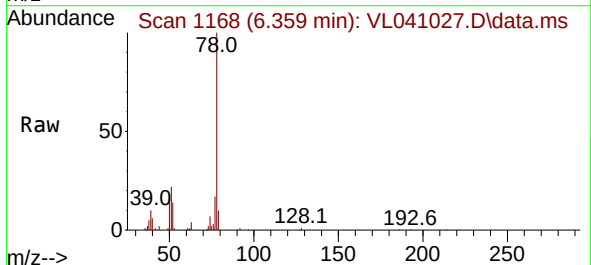
Tgt Ion: 117 Resp: 9058
Ion Ratio Lower Upper
117 100
119 89.8 76.9 115.3
121 29.8 24.7 37.1

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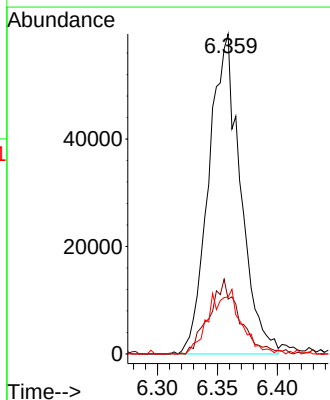
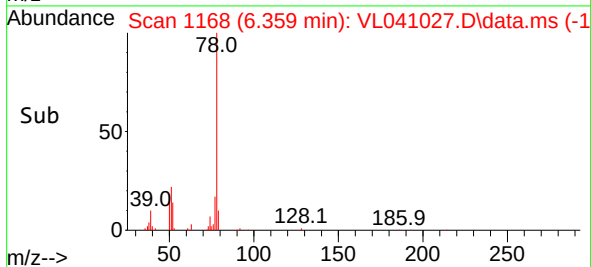
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

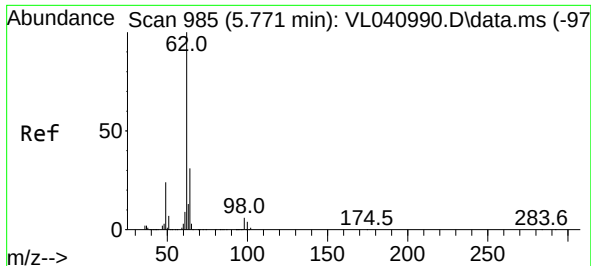


#36
Benzene
Concen: 0.461 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



Tgt Ion: 78 Resp: 109293
Ion Ratio Lower Upper
78 100
77 17.2 19.0 28.4#
50 17.8 15.8 23.6





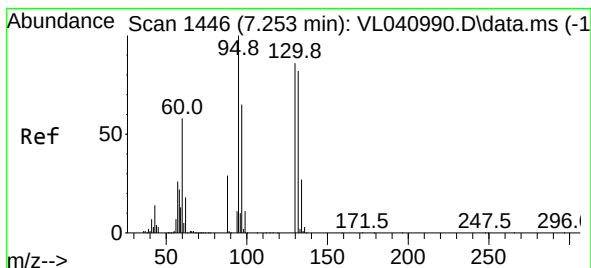
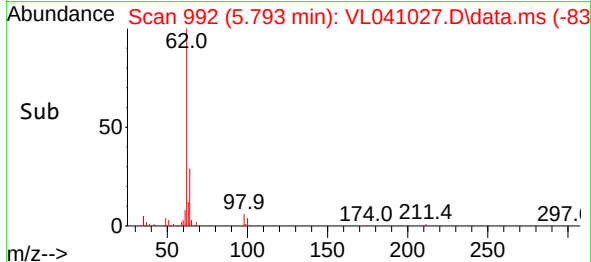
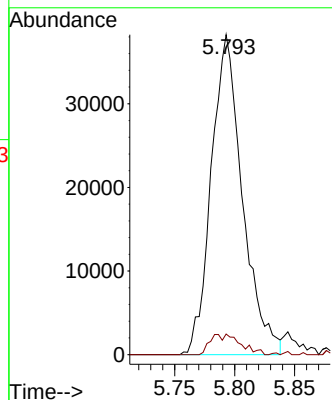
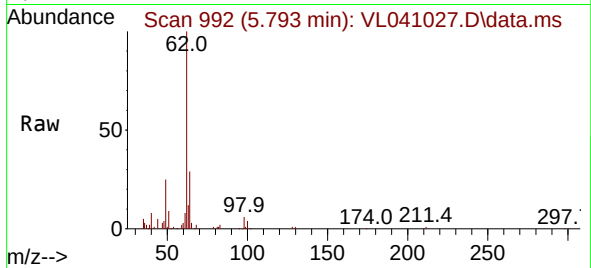
#37
1,2-Dichloroethane
Concen: 0.478 ppbv
RT: 5.793 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 62 Resp: 6906
Ion Ratio Lower Upper
62 100
98 6.6 4.7 7.1

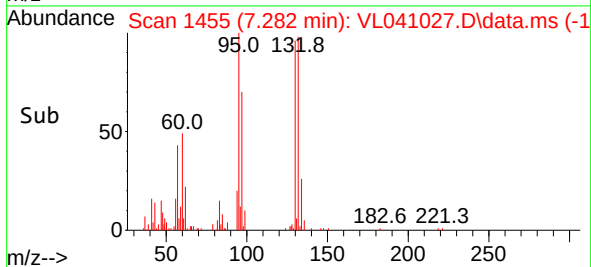
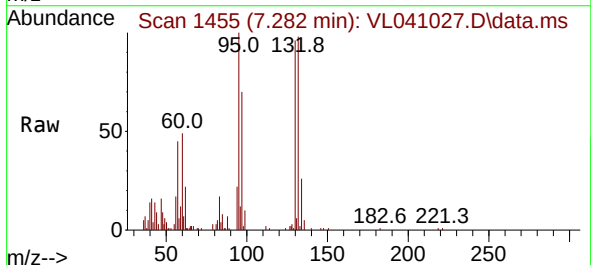
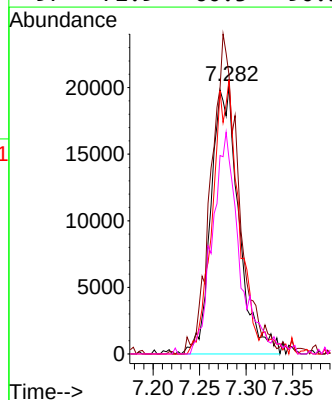
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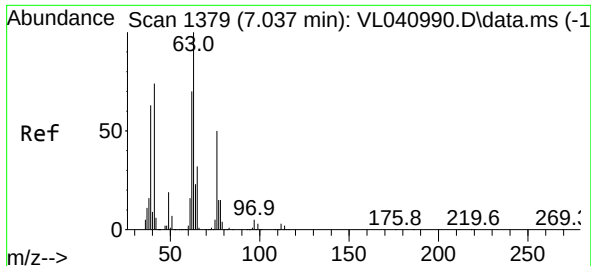
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#38
Trichloroethene
Concen: 0.436 ppbv m
RT: 7.282 min Scan# 1455
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion:130 Resp: 41447
Ion Ratio Lower Upper
130 100
95 104.2 92.9 139.3
132 102.4 76.2 114.2
97 72.9 60.3 90.5





#39

1,2-Dichloropropane

Concen: 0.500 ppbv m

RT: 7.057 min Scan# 1462

Delta R.T. -0.007 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

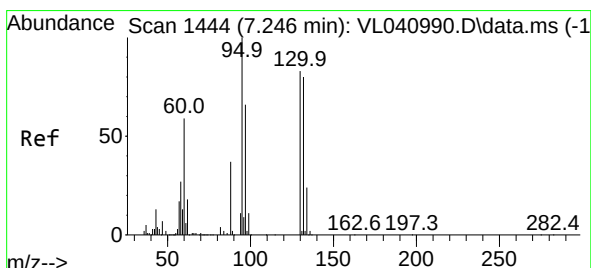
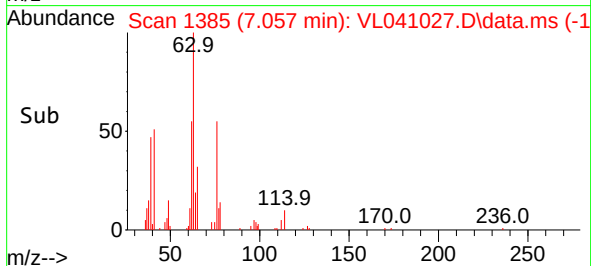
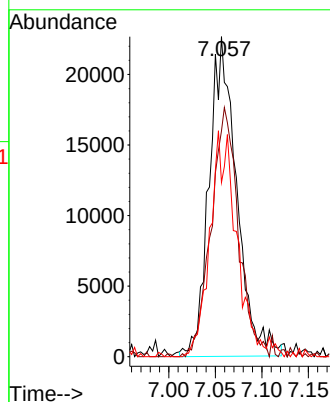
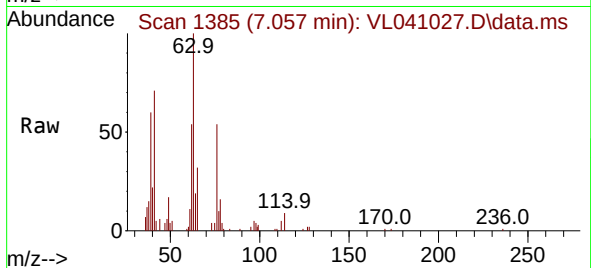
MDL-AIR-03-QT1-2024DL

Tgt Ion: 63	Resp: 46634
Ion Ratio	Lower Upper
63 100	
41 70.6	59.6 89.4
62 54.4	55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#40

1,4-Dioxane

Concen: 0.527 ppbv m

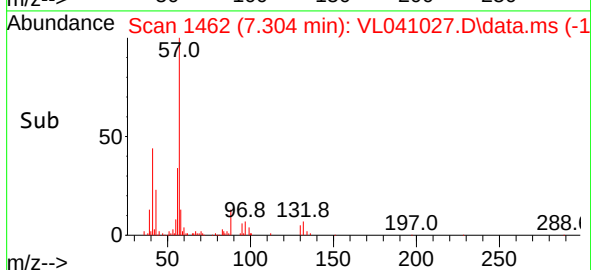
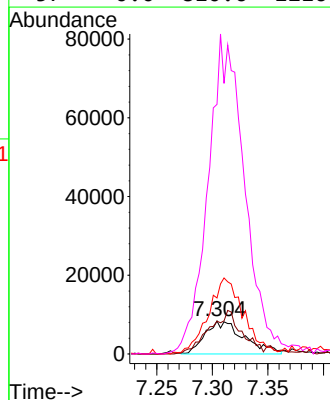
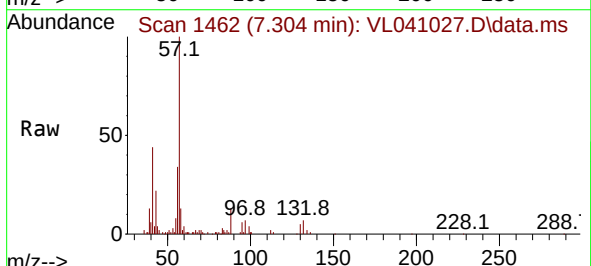
RT: 7.304 min Scan# 1462

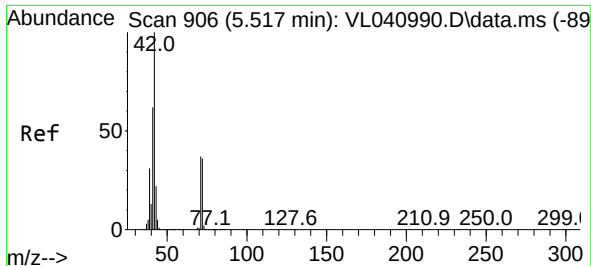
Delta R.T. 0.035 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Tgt Ion: 88	Resp: 20423
Ion Ratio	Lower Upper
88 100	
58 0.0	96.6 144.8#
43 0.0	191.0 286.6#
57 0.0	810.6 1216.0#





#41

Tetrahydrofuran

Concen: 0.436 ppbv m

RT: 5.571 min Scan# 906

Delta R.T. 0.029 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

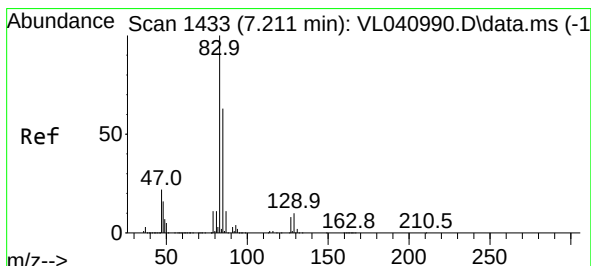
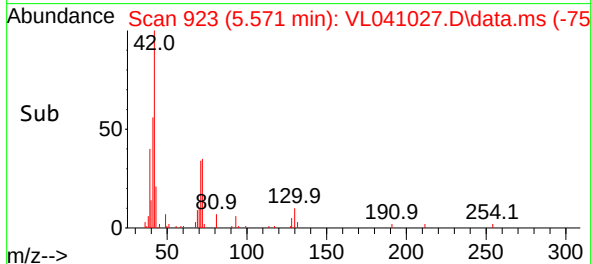
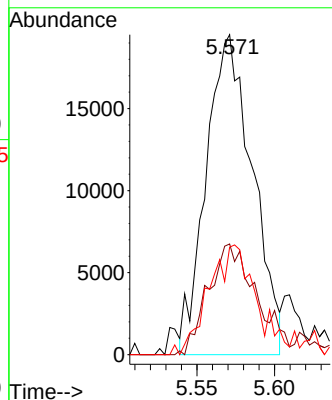
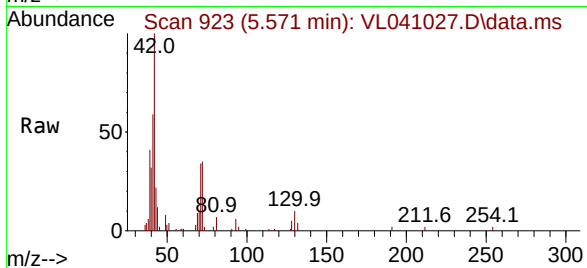
MDL-AIR-03-QT1-2024DL

Tgt Ion:	42	Resp:	4048
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.0	45.0
71	0.0	29.5	44.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#42

Bromodichloromethane

Concen: 0.438 ppbv

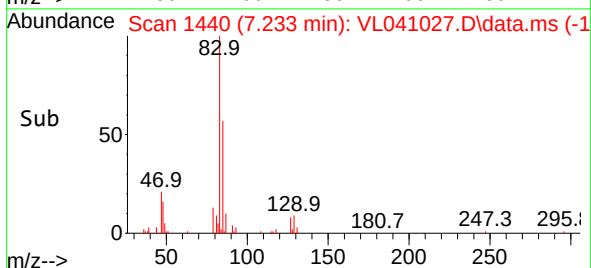
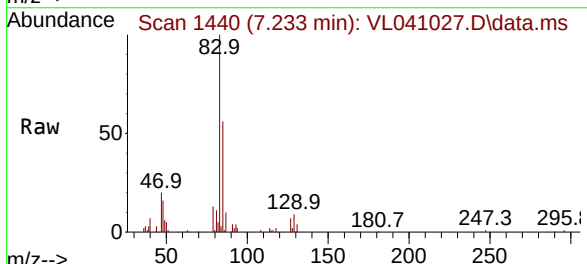
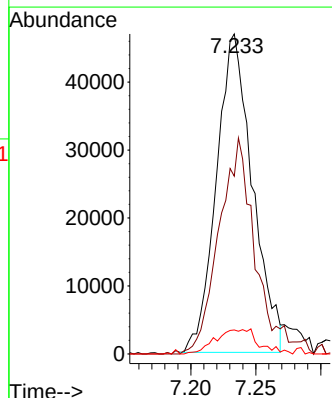
RT: 7.233 min Scan# 1440

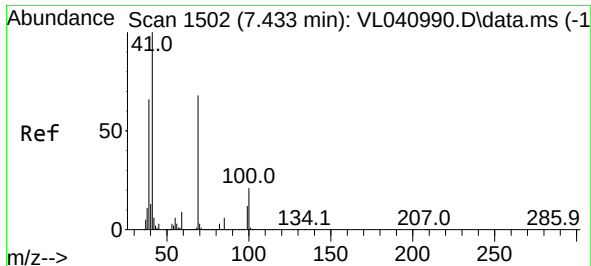
Delta R.T. -0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

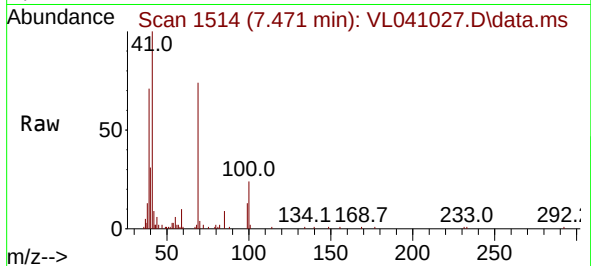
Tgt Ion:	83	Resp:	90557
Ion Ratio	Lower	Upper	
83	100		
85	55.8	50.5	75.7
127	7.5	6.4	9.6





#43
Methyl Methacrylate
Concen: 0.399 ppbv m
RT: 7.471 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

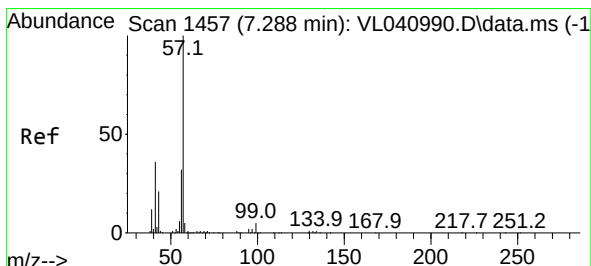
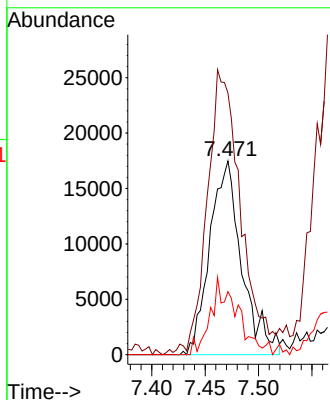
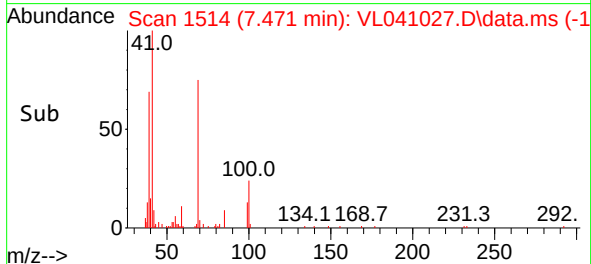
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 69 Resp: 36478
Ion Ratio Lower Upper
69 100
41 153.8 120.2 180.2
100 35.2 24.6 36.8

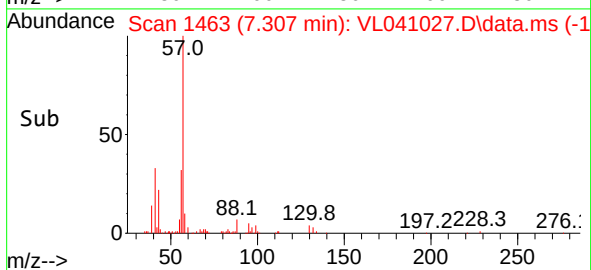
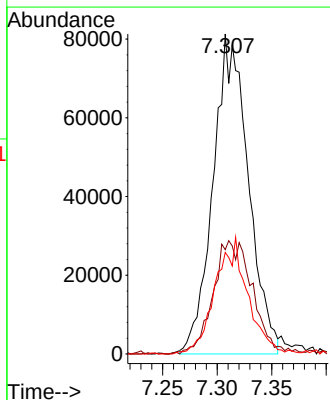
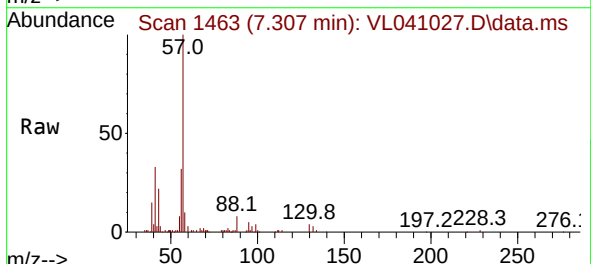
Manual Integrations
APPROVED

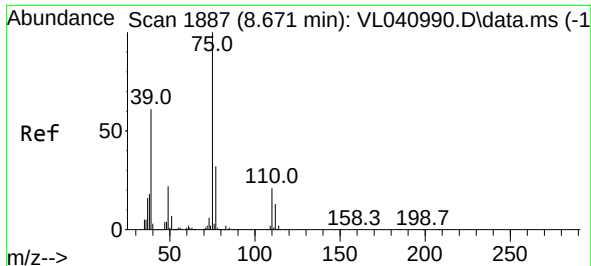
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#44
2,2,4-Trimethylpentane
Concen: 0.458 ppbv m
RT: 7.307 min Scan# 1463
Delta R.T. -0.007 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

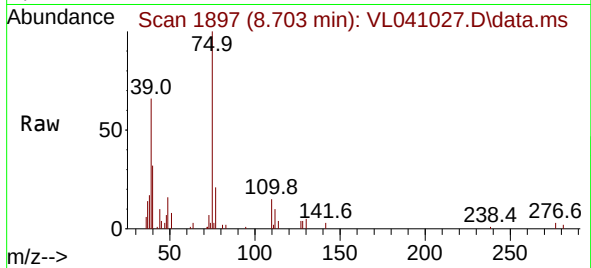
Tgt Ion: 57 Resp: 182586
Ion Ratio Lower Upper
57 100
41 0.0 28.6 43.0#
56 0.0 25.2 37.8#





#45
 t-1,3-Dichloropropene
 Concen: 0.391 ppbv m
 RT: 8.703 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

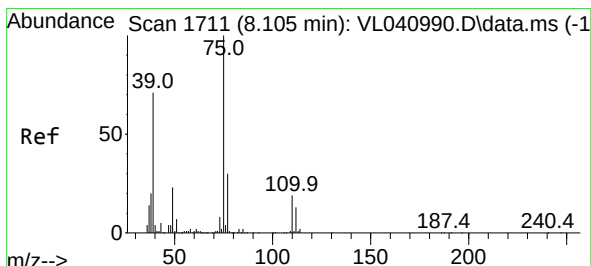
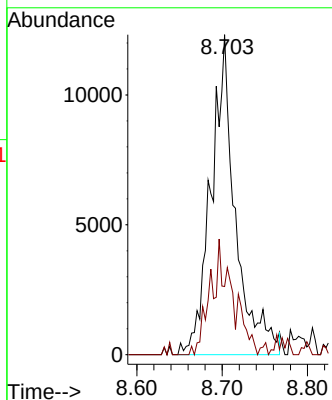
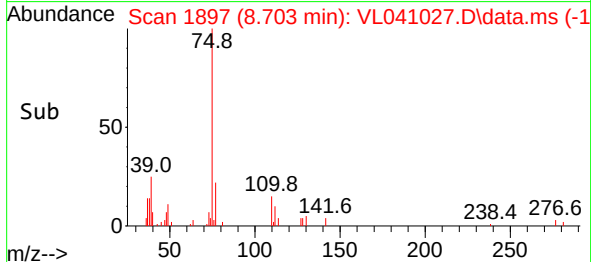
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL



Tgt Ion: 75 Resp: 2445
 Ion Ratio Lower Upper
 75 100
 77 21.3 25.3 37.9

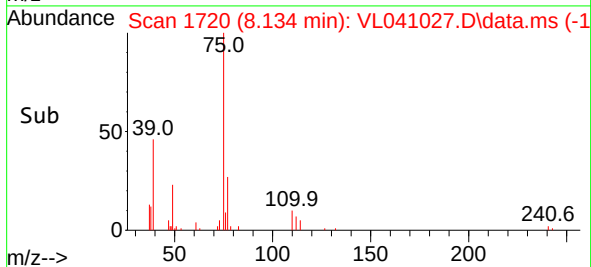
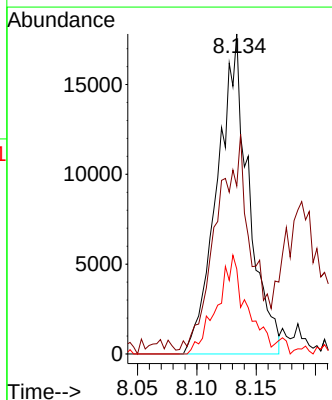
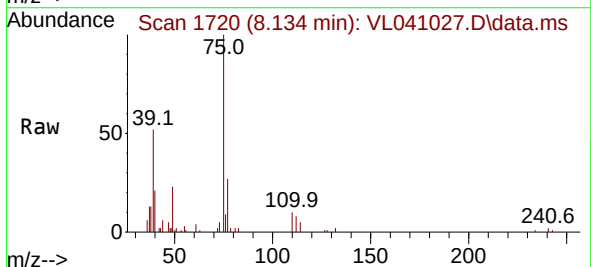
Manual Integrations
 APPROVED

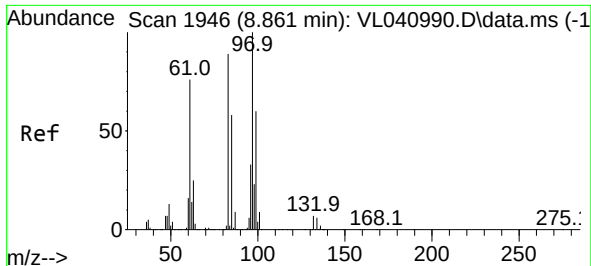
Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024



#46
 cis-1,3-Dichloropropene
 Concen: 0.423 ppbv m
 RT: 8.134 min Scan# 1720
 Delta R.T. 0.003 min
 Lab File: VL041027.D
 Acq: 25 Jan 2024 13:23

Tgt Ion: 75 Resp: 32923
 Ion Ratio Lower Upper
 75 100
 39 52.5 57.3 85.9#
 77 26.5 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 0.461 ppbv m

RT: 8.892 min Scan# 1946

Delta R.T. 0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

Tgt Ion: 97 Resp: 46380

Ion Ratio Lower Upper

97 100

83 74.6 71.5 107.3

85 40.5 46.1 69.1

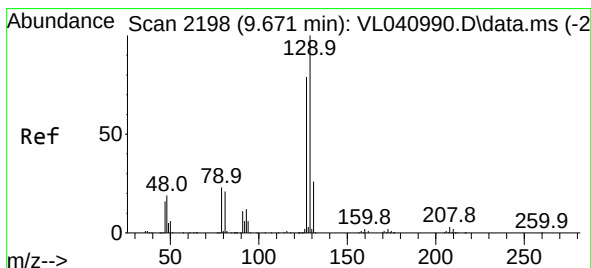
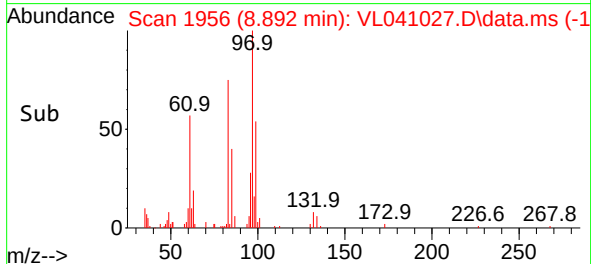
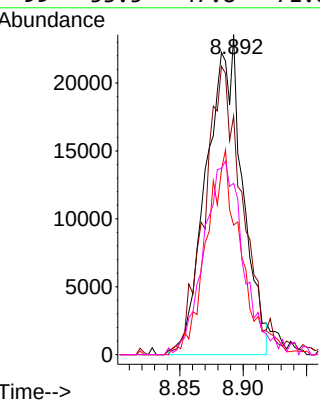
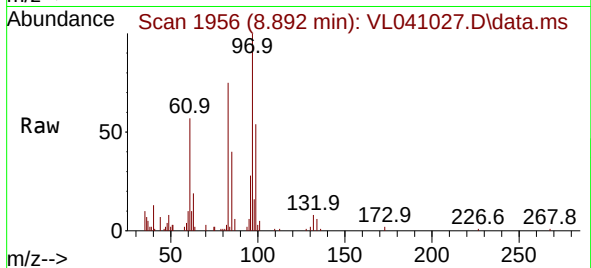
99 53.5 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#48

Dibromochloromethane

Concen: 0.420 ppbv m

RT: 9.696 min Scan# 2206

Delta R.T. -0.000 min

Lab File: VL041027.D

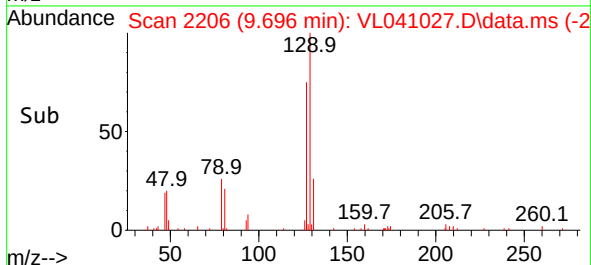
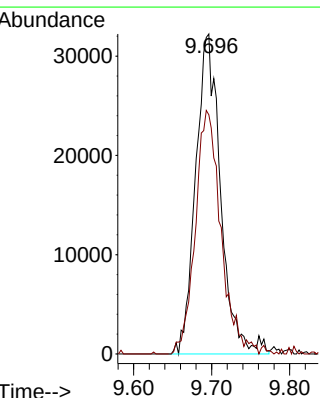
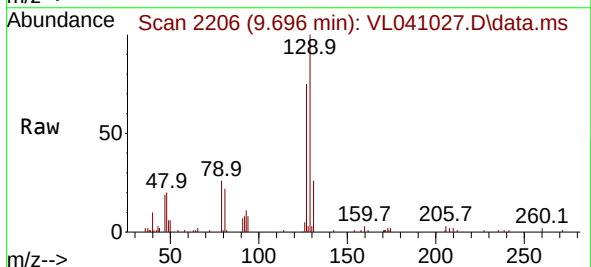
Acq: 25 Jan 2024 13:23

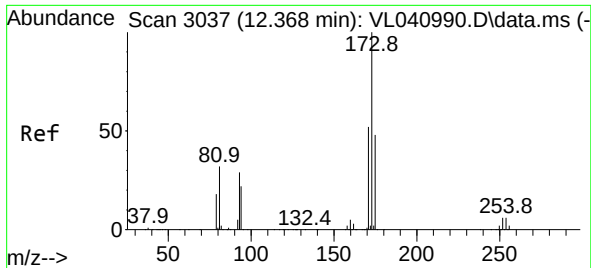
Tgt Ion:129 Resp: 71422

Ion Ratio Lower Upper

129 100

127 78.7 39.6 119.0





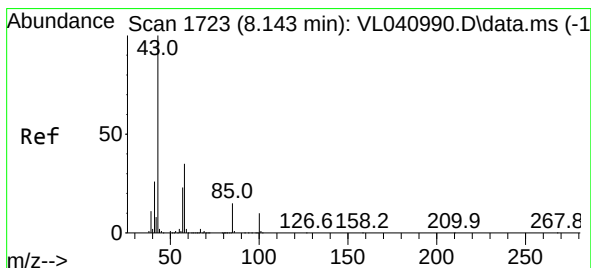
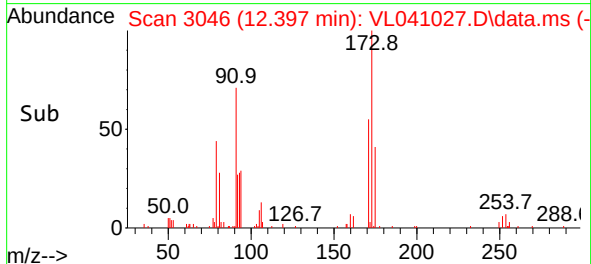
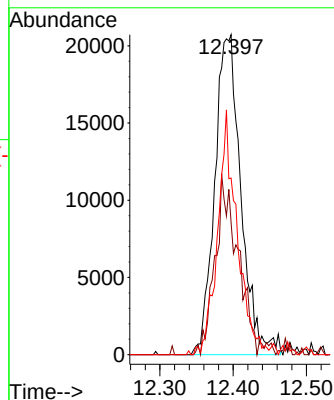
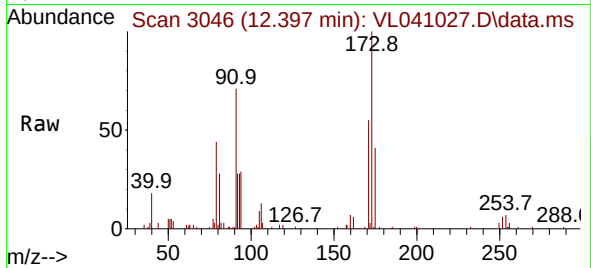
#49
Bromoform
Concen: 0.386 ppbv m
RT: 12.397 min Scan# 3037
Delta R.T. 0.006 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion:173 Resp: 51568
Ion Ratio Lower Upper
173 100
175 51.1 39.0 58.4
171 58.9 42.0 63.0

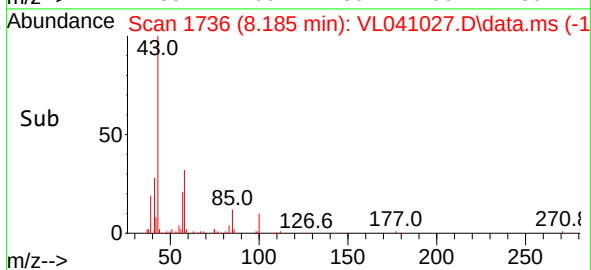
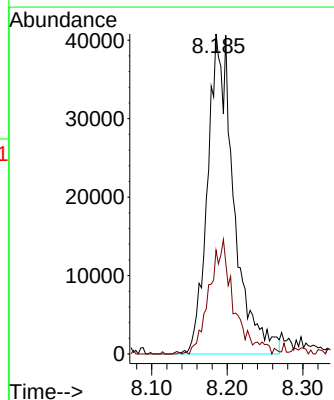
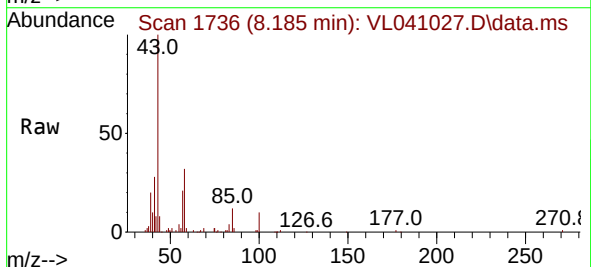
Manual Integrations
APPROVED

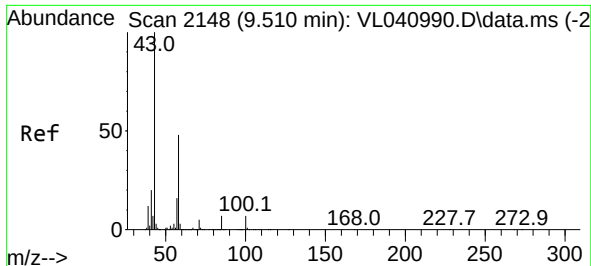
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#50
4-Methyl-2-Pentanone
Concen: 0.411 ppbv m
RT: 8.185 min Scan# 1736
Delta R.T. 0.016 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

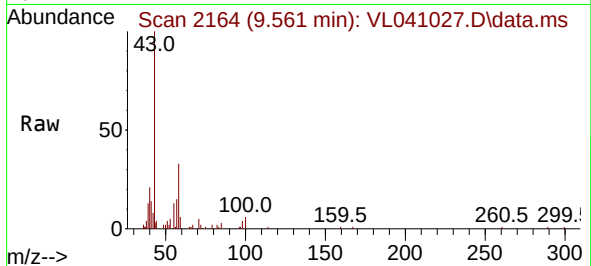
Tgt Ion: 43 Resp: 99018
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8





#51
2-Hexanone
Concen: 0.376 ppbv m
RT: 9.561 min Scan# 2148
Delta R.T. 0.026 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

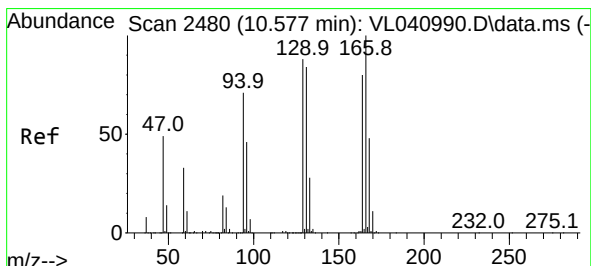
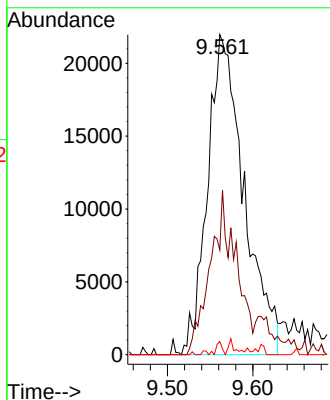
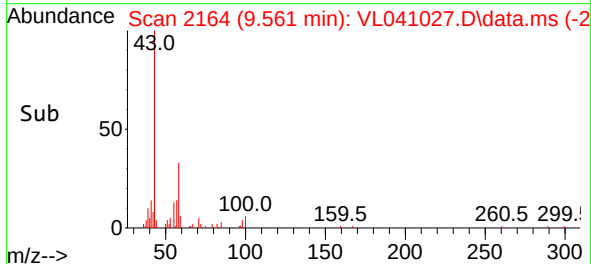
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 43 Resp: 6528
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2
98 0.0 0.3 0.5

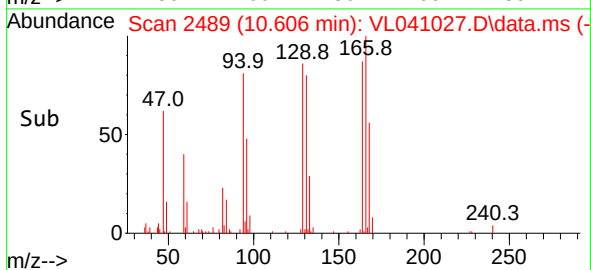
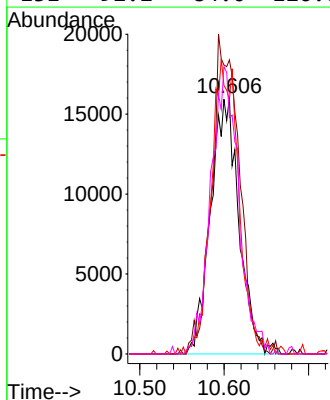
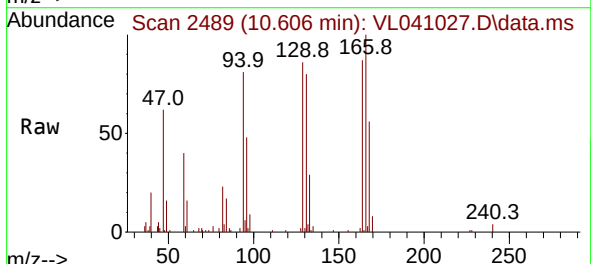
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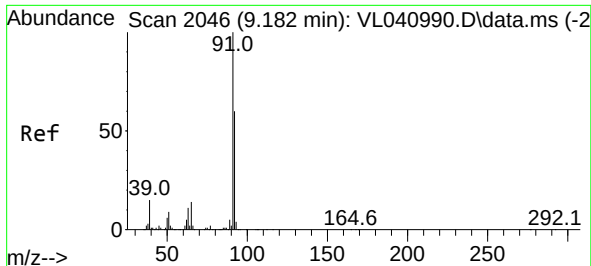
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#52
Tetrachloroethene
Concen: 0.479 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion:164 Resp: 37700
Ion Ratio Lower Upper
164 100
166 114.7 100.2 150.2
129 99.2 87.9 131.9
131 92.2 84.0 126.0





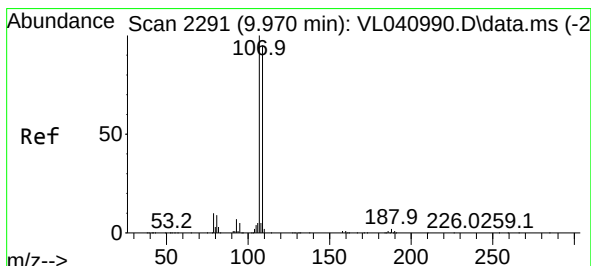
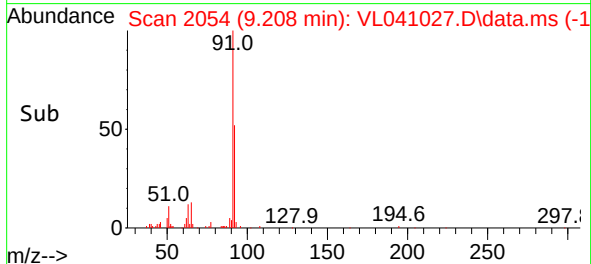
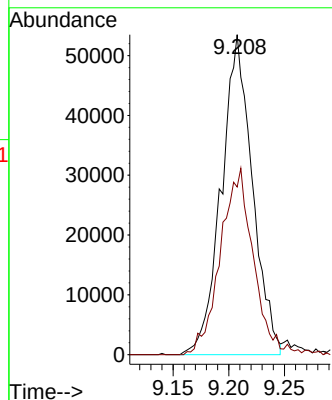
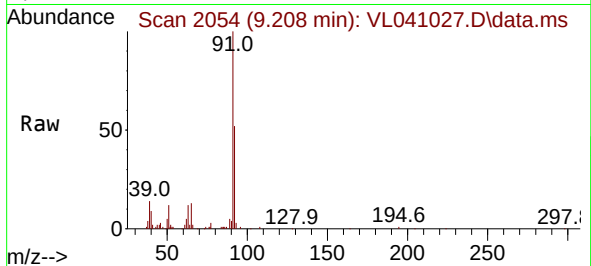
#53
Toluene
Concen: 0.399 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 91 Resp: 10368
Ion Ratio Lower Upper
91 100
92 62.3 48.6 72.8

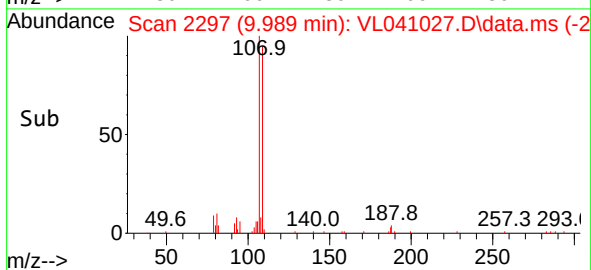
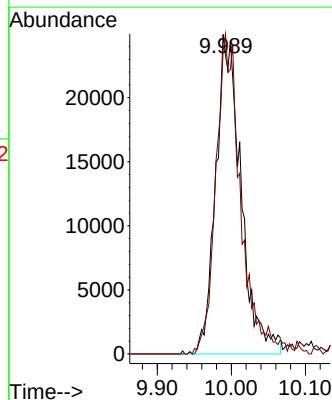
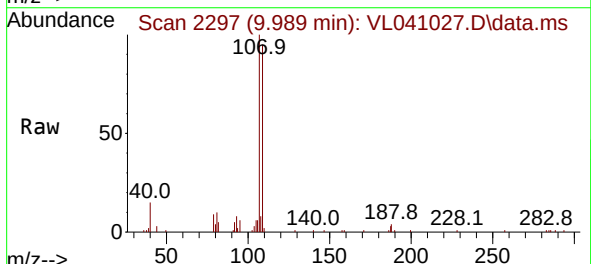
Manual Integrations
APPROVED

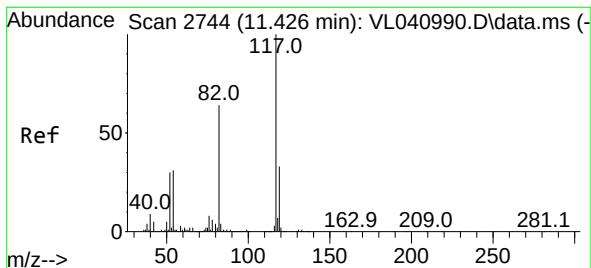
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#54
1,2-Dibromoethane
Concen: 0.435 ppbv m
RT: 9.989 min Scan# 2297
Delta R.T. -0.007 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

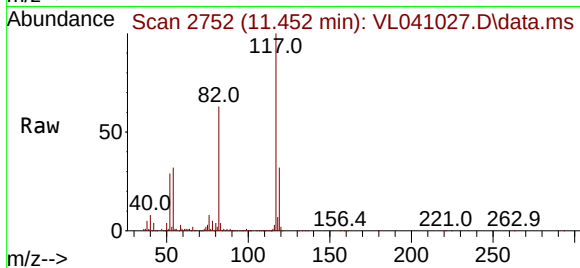
Tgt Ion:107 Resp: 59258
Ion Ratio Lower Upper
107 100
109 94.7 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

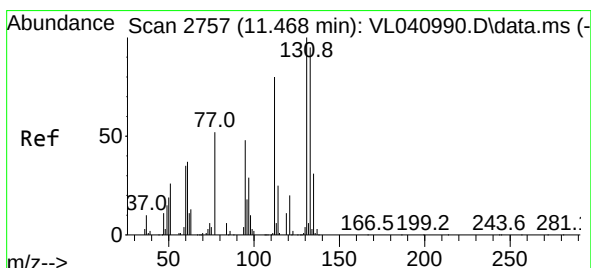
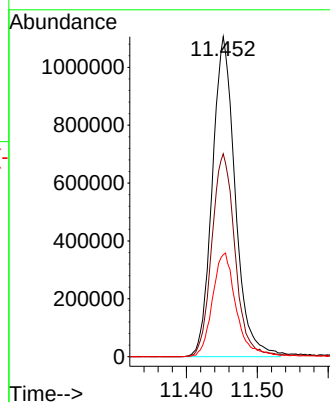
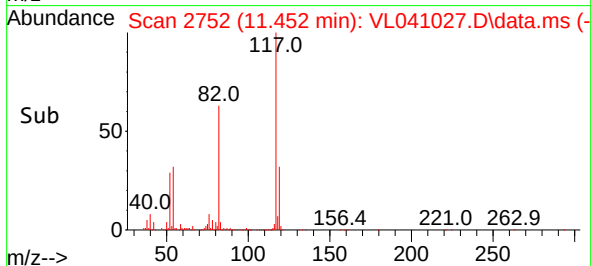
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



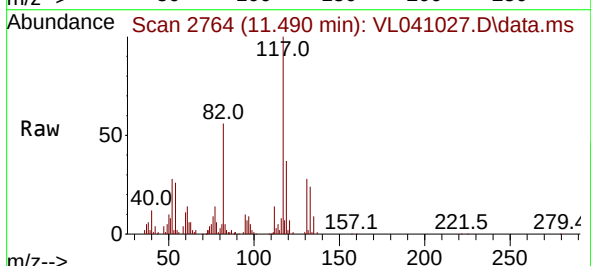
Tgt Ion:117 Resp: 248433
Ion Ratio Lower Upper
117 100
82 65.0 51.7 77.5
119 33.9 23.8 35.6

Manual Integrations
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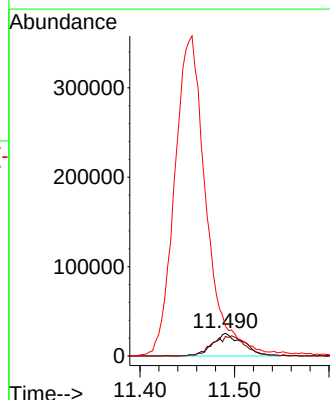
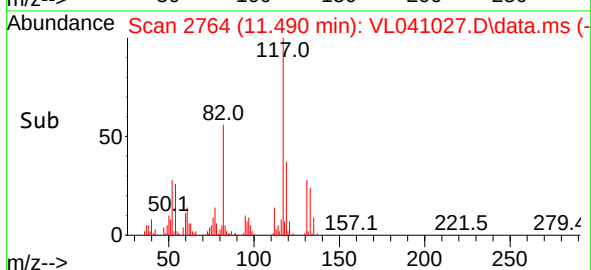
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

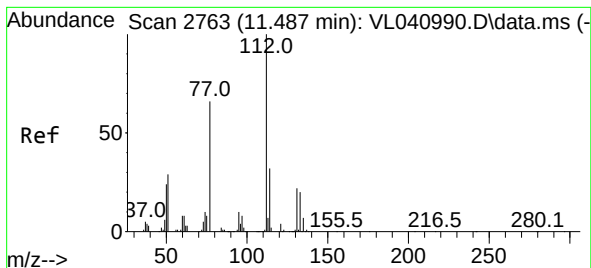


#56
1,1,1,2-Tetrachloroethane
Concen: 0.473 ppbv
RT: 11.490 min Scan# 2764
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



Tgt Ion:131 Resp: 56401
Ion Ratio Lower Upper
131 100
133 96.9 75.9 113.9
119 1491.4 49.2 73.8#





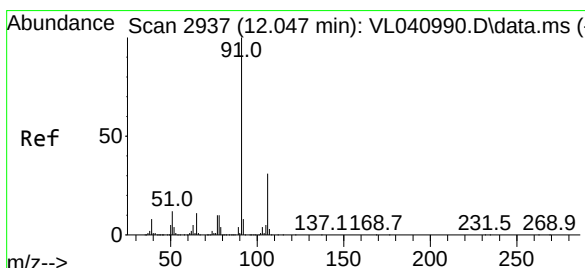
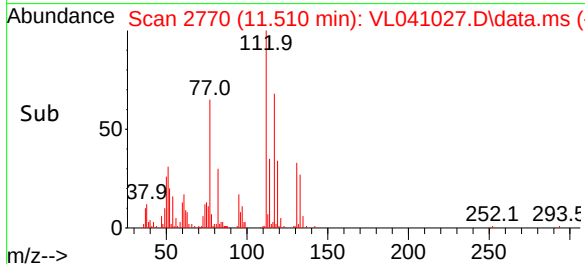
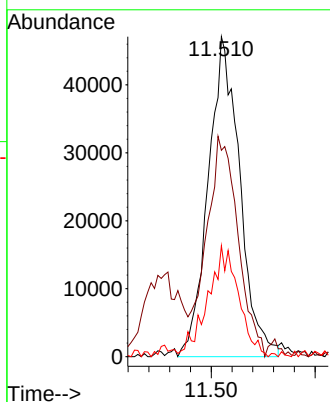
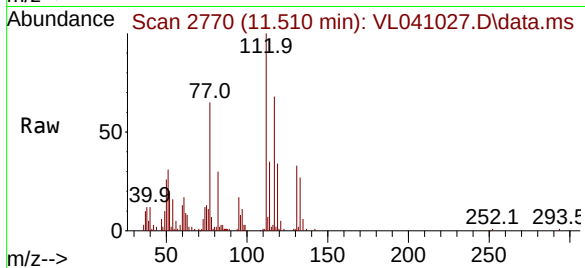
#57
Chlorobenzene
Concen: 0.495 ppbv
RT: 11.510 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion:112 Resp: 99000
Ion Ratio Lower Upper
112 100
77 62.1 53.4 80.0
114 34.7 29.1 35.5

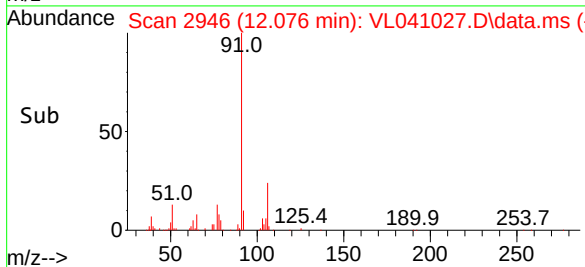
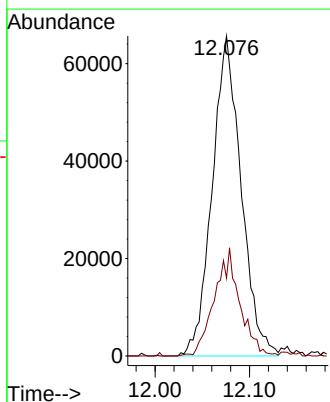
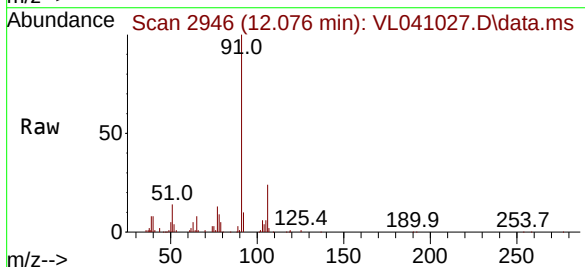
Manual Integrations
APPROVED

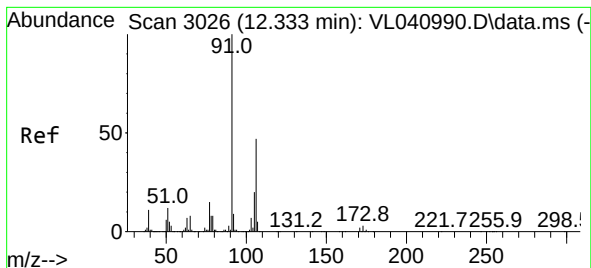
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#58
Ethyl Benzene
Concen: 0.419 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion: 91 Resp: 139630
Ion Ratio Lower Upper
91 100
106 26.1 24.8 37.2





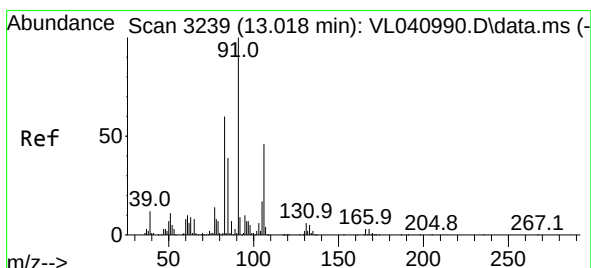
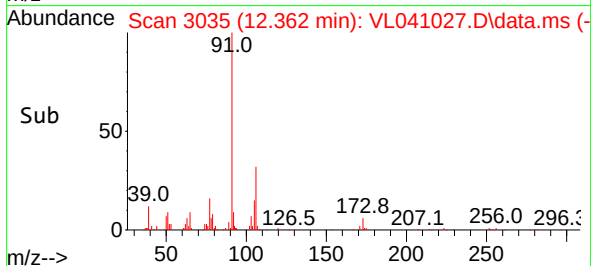
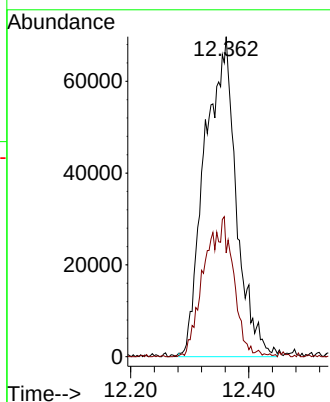
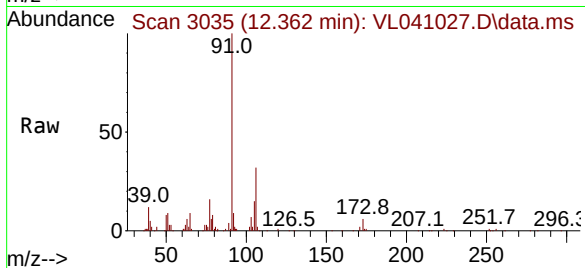
#59
m/p-Xylene
Concen: 0.889 ppbv m
RT: 12.362 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL

Tgt Ion: 91 Resp: 25855
Ion Ratio Lower Upper
91 100
106 40.8 34.9 52.3

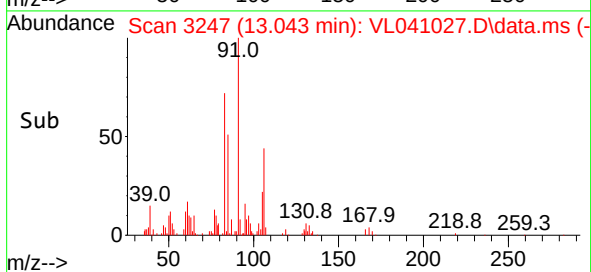
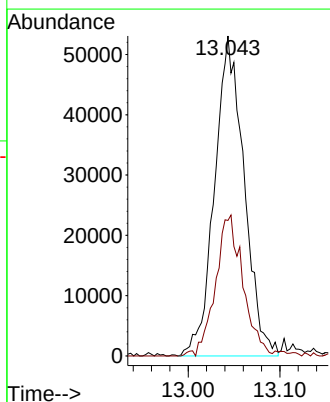
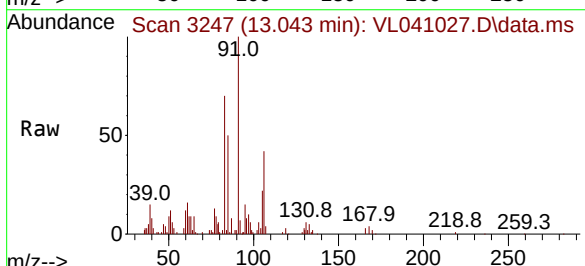
Manual Integrations
APPROVED

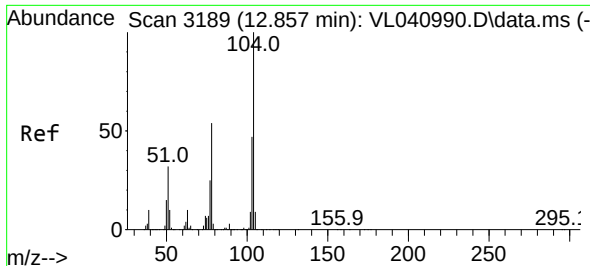
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#60
o-Xylene
Concen: 0.426 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

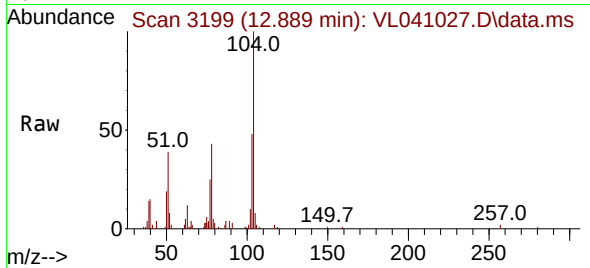
Tgt Ion: 91 Resp: 118784
Ion Ratio Lower Upper
91 100
106 42.4 22.6 67.7





#61
Styrene
Concen: 0.373 ppbv m
RT: 12.889 min Scan# 3189
Delta R.T. 0.006 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

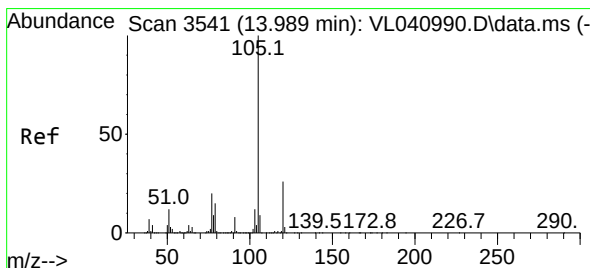
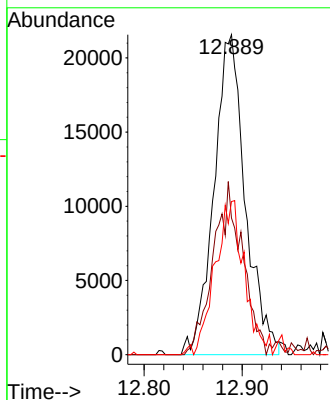
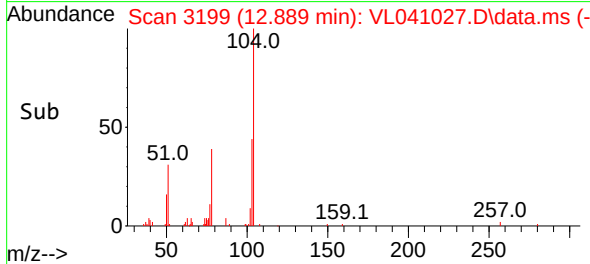
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



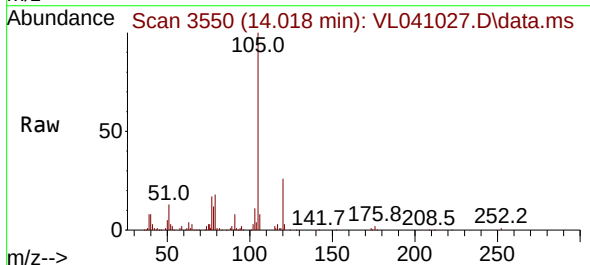
Tgt Ion:104 Resp: 4782
Ion Ratio Lower Upper
104 100
78 51.9 42.7 64.1
103 46.9 37.6 56.4

Manual Integrations
APPROVED

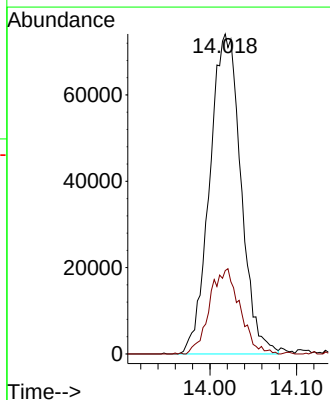
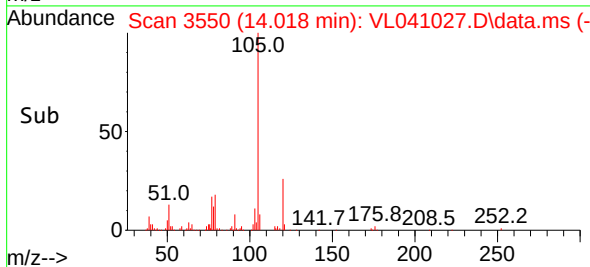
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

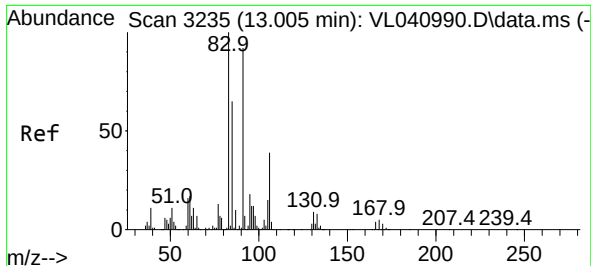


#62
Isopropylbenzene
Concen: 0.450 ppbv
RT: 14.018 min Scan# 3550
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



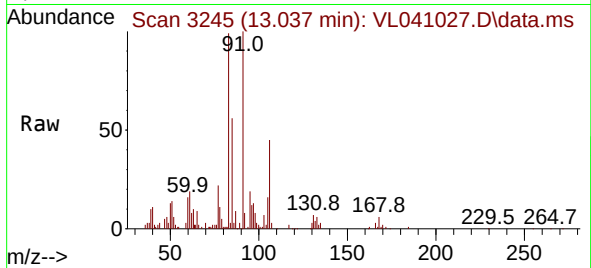
Tgt Ion:105 Resp: 185704
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.479 ppbv m
RT: 13.037 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

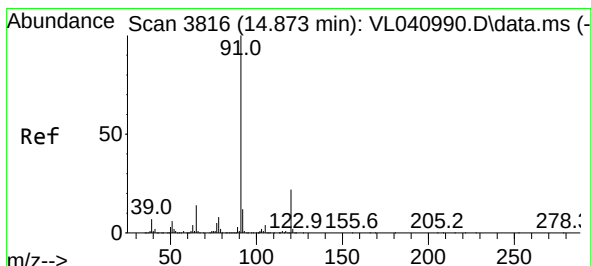
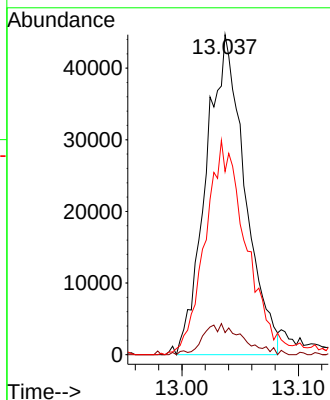
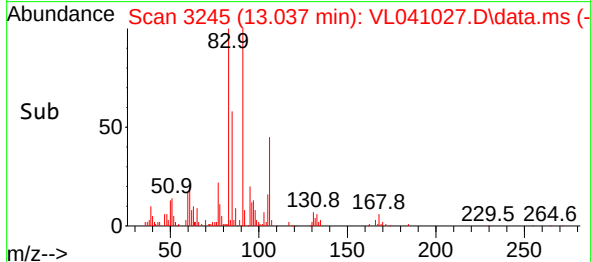
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



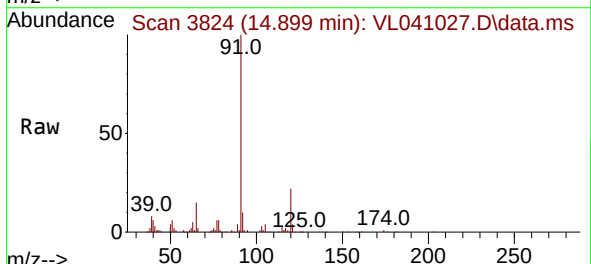
Tgt Ion: 83 Resp: 10378
Ion Ratio Lower Upper
83 100
131 10.0 4.6 13.8
85 71.8 33.0 99.0

Manual Integrations
APPROVED

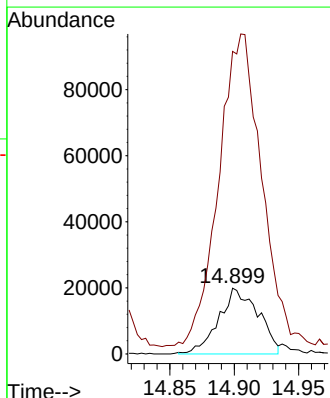
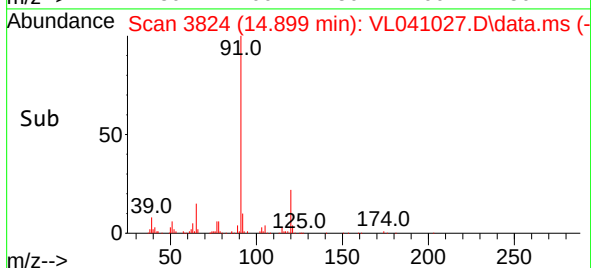
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

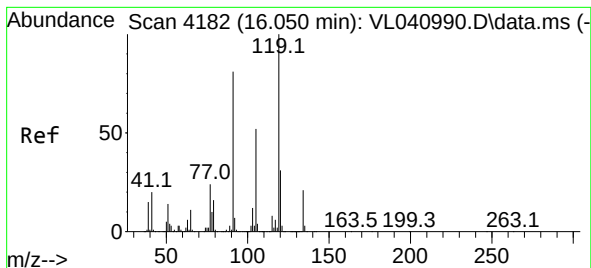


#64
n-propylbenzene
Concen: 0.407 ppbv m
RT: 14.899 min Scan# 3824
Delta R.T. -0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



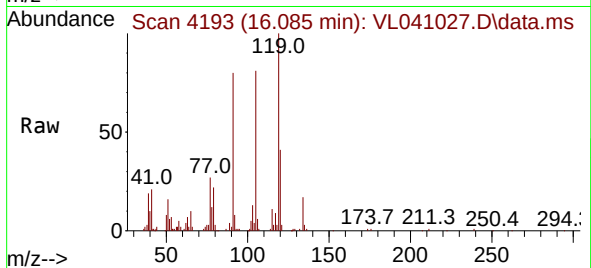
Tgt Ion:120 Resp: 42456
Ion Ratio Lower Upper
120 100
91 338.6 390.6 585.8#





#65
tert-Butylbenzene
Concen: 0.426 ppbv m
RT: 16.085 min Scan# 4182
Delta R.T. 0.009 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

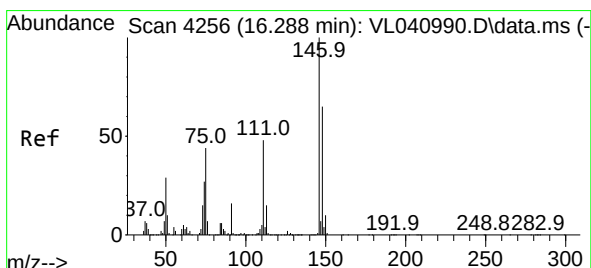
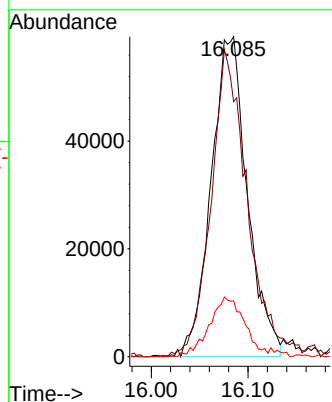
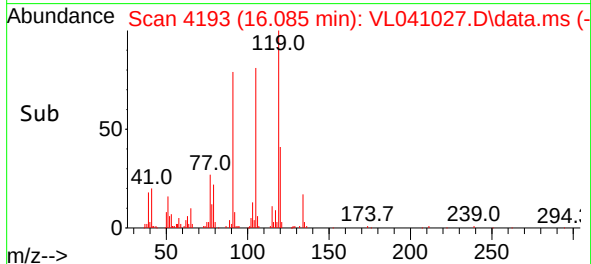
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion: 119 Resp: 15362
Ion Ratio Lower Upper
119 100
91 98.4 67.6 101.4
134 19.0 16.1 24.1

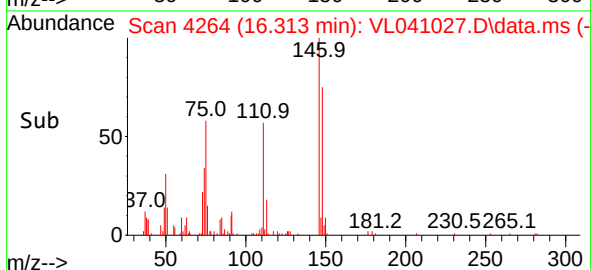
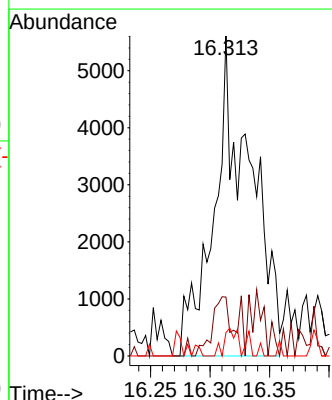
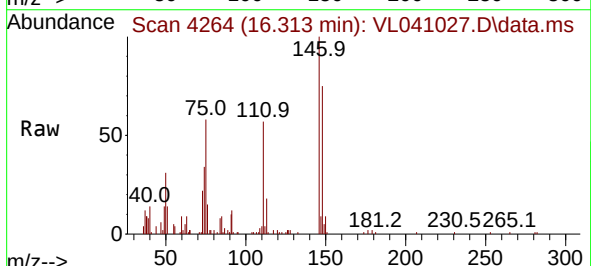
Manual Integrations
APPROVED

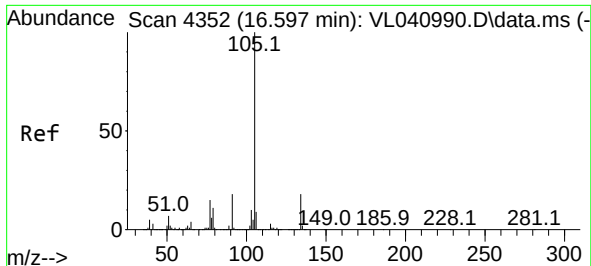
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#66
Benzyl Chloride
Concen: 0.507 ppbv m
RT: 16.313 min Scan# 4264
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Tgt Ion: 91 Resp: 11969
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 3.7 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.441 ppbv

RT: 16.622 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

Tgt Ion:105 Resp: 23177

Ion Ratio Lower Upper

105 100

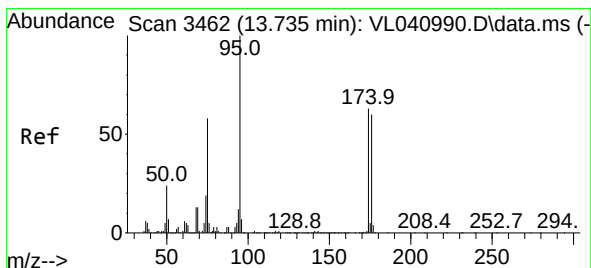
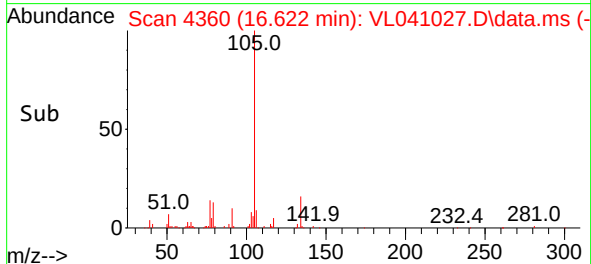
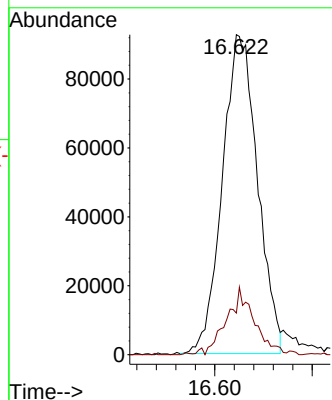
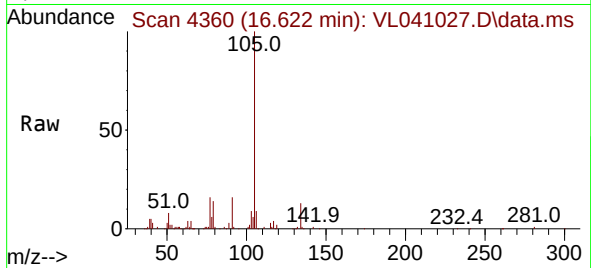
134 17.0 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.955 ppbv

RT: 13.760 min Scan# 3470

Delta R.T. -0.003 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

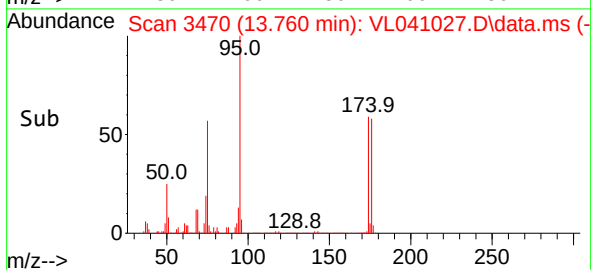
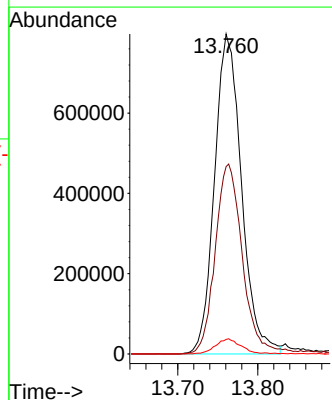
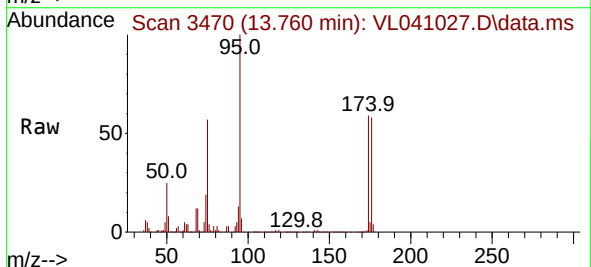
Tgt Ion: 95 Resp: 1868080

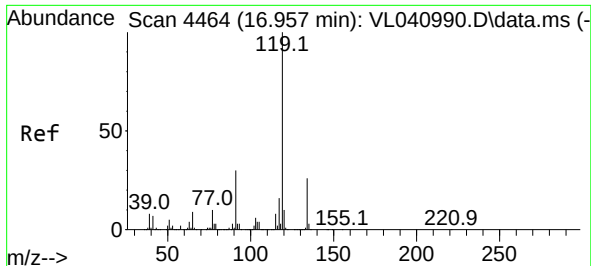
Ion Ratio Lower Upper

95 100

174 60.9 49.1 73.7

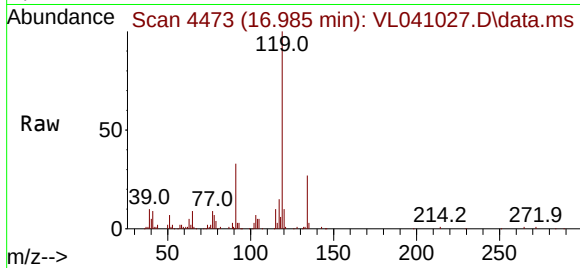
175 4.6 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.420 ppbv m
RT: 16.985 min Scan# 4464
Delta R.T. 0.006 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

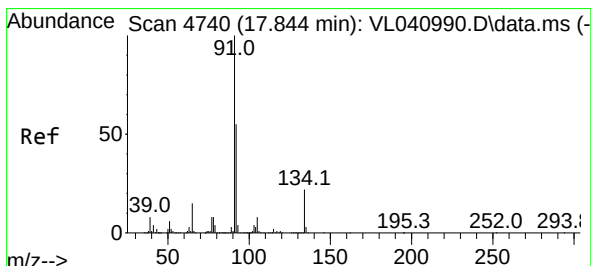
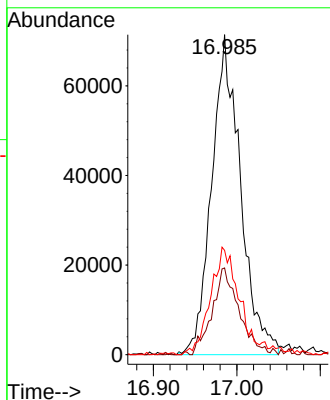
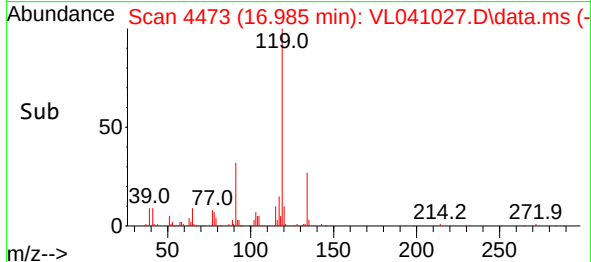
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



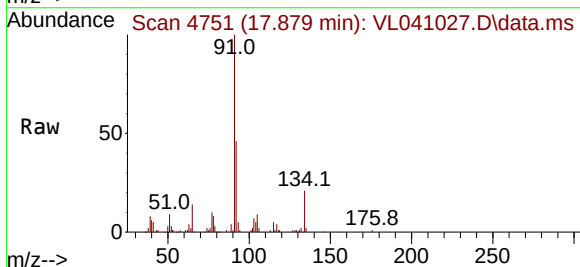
Tgt Ion:119 Resp: 170940
Ion Ratio Lower Upper
119 100
134 26.2 20.6 30.8
91 35.6 24.5 36.7

Manual Integrations
APPROVED

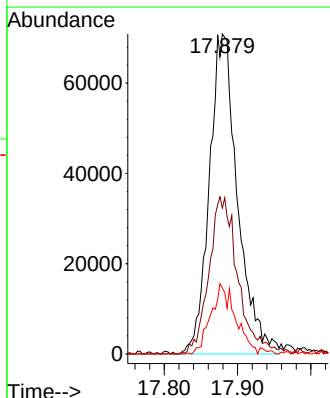
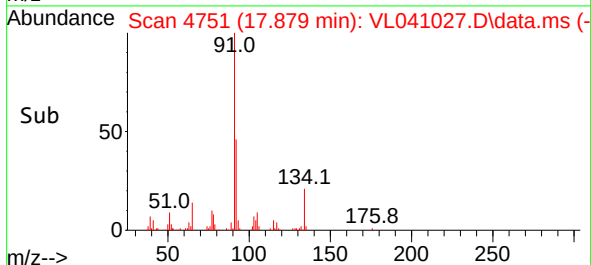
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

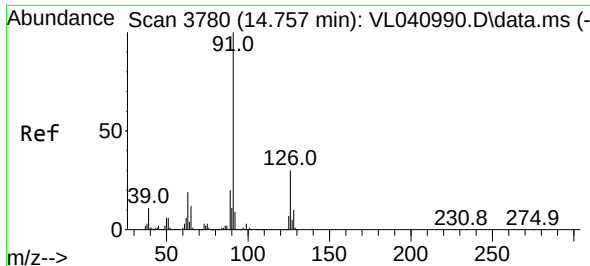


#70
n-Butylbenzene
Concen: 0.433 ppbv m
RT: 17.879 min Scan# 4751
Delta R.T. 0.009 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



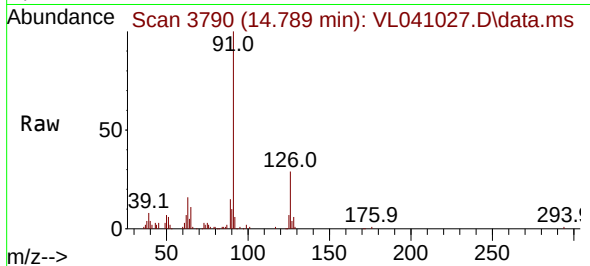
Tgt Ion: 91 Resp: 190507
Ion Ratio Lower Upper
91 100
92 0.0 43.4 65.0#
134 0.0 17.4 26.0#





#71
2-Chlorotoluene
Concen: 0.448 ppbv
RT: 14.789 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

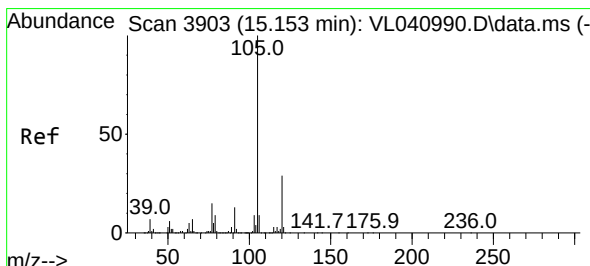
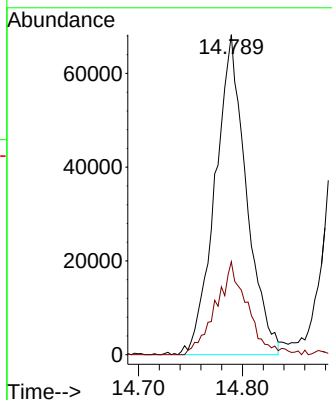
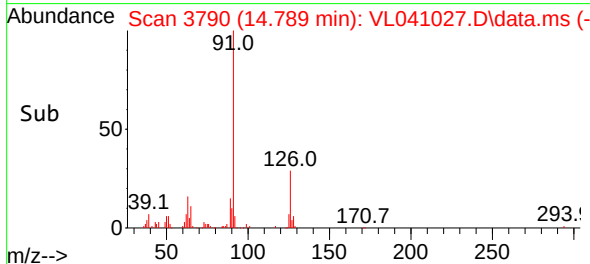
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



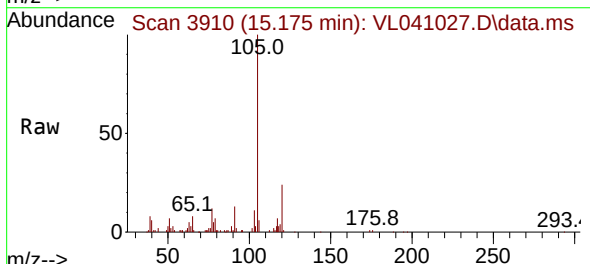
Tgt Ion: 91 Resp: 142568
Ion Ratio Lower Upper
91 100
126 30.4 12.3 49.1

Manual Integrations
APPROVED

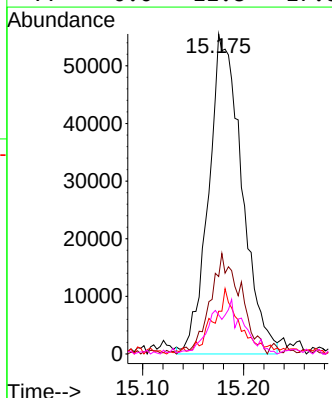
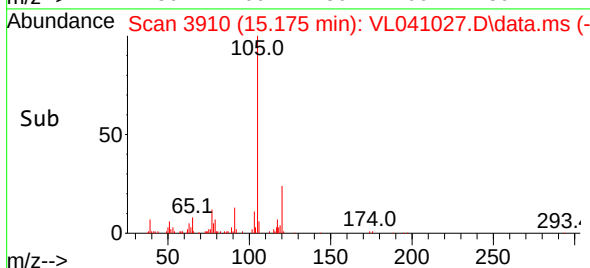
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

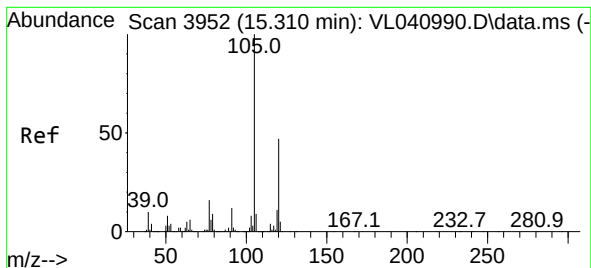


#72
4-Ethyltoluene
Concen: 0.407 ppbv m
RT: 15.175 min Scan# 3910
Delta R.T. -0.000 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



Tgt Ion:105 Resp: 126794
Ion Ratio Lower Upper
105 100
120 0.0 24.3 36.5#
91 0.0 11.0 16.4#
77 0.0 11.8 17.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.405 ppbv

RT: 15.336 min Scan# 3952

Delta R.T. -0.003 min

Lab File: VL041027.D

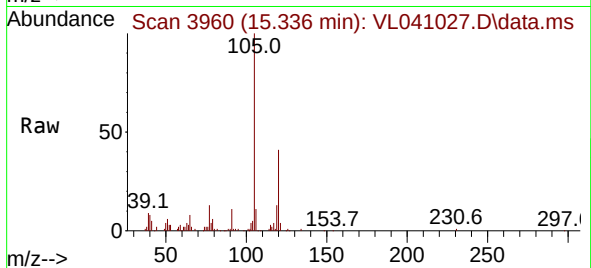
Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL



Tgt Ion:105 Resp: 11211

Ion Ratio Lower Upper

105 100

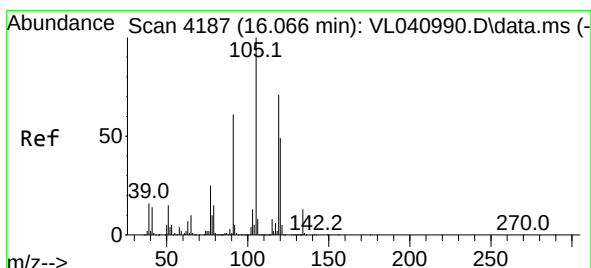
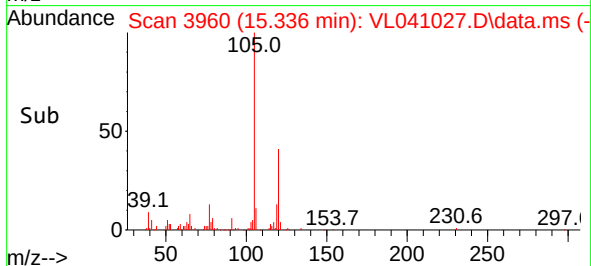
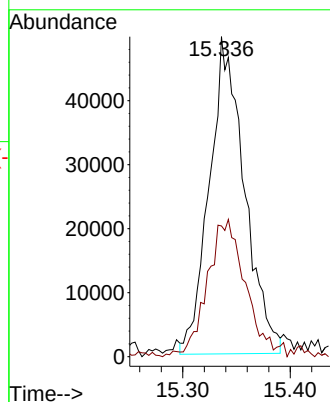
120 41.1 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024

Supervised By :Mahesh Dadoda 01/26/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.434 ppbv m

RT: 16.088 min Scan# 4194

Delta R.T. -0.007 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Tgt Ion:105 Resp: 136091

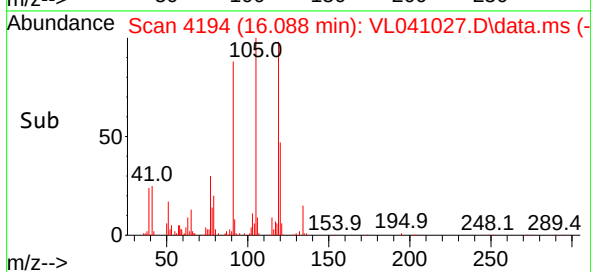
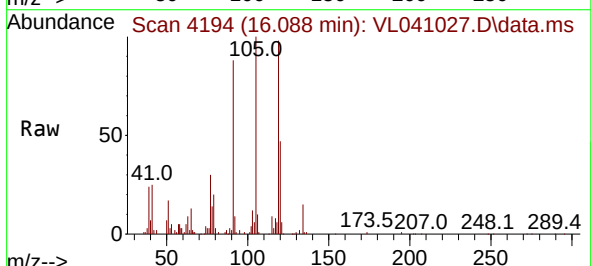
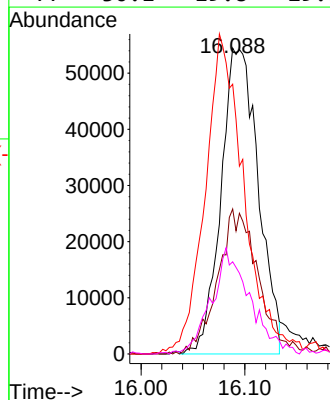
Ion Ratio Lower Upper

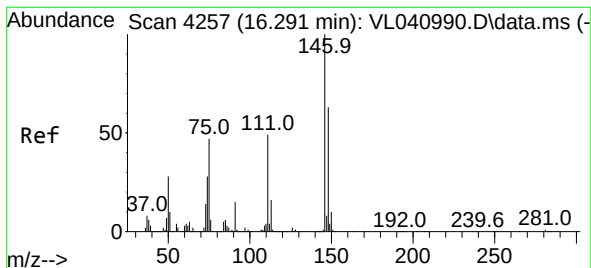
105 100

120 47.4 39.3 58.9

91 88.2 48.7 73.1#

77 30.1 19.8 29.8#





#75

1,3-Dichlorobenzene

Concen: 0.444 ppbv m

RT: 16.317 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2024DL

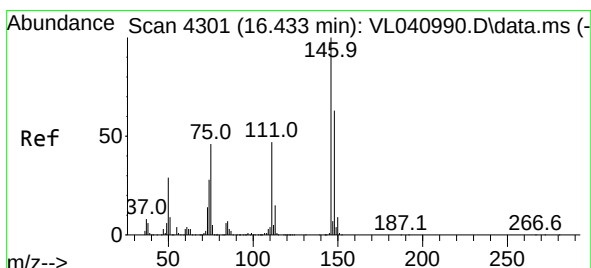
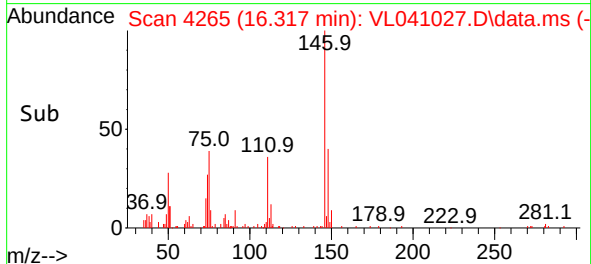
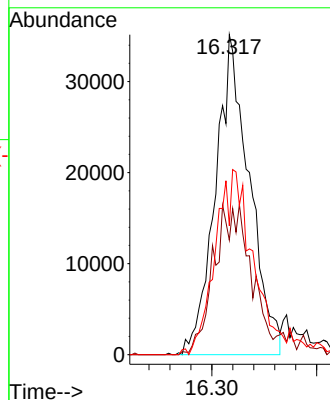
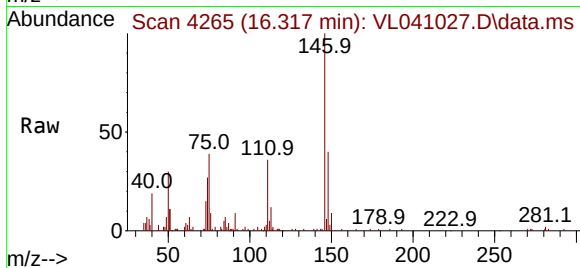
Tgt Ion:146 Resp: 79170

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.4	73.2
148	0.0	32.5	97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#76

1,4-Dichlorobenzene

Concen: 0.487 ppbv m

RT: 16.458 min Scan# 4309

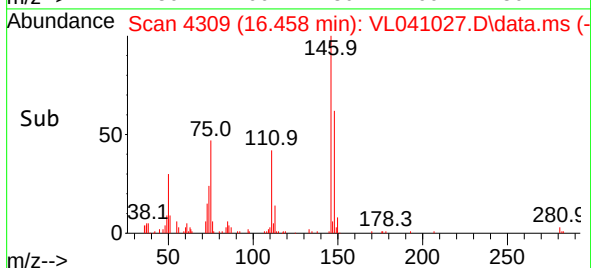
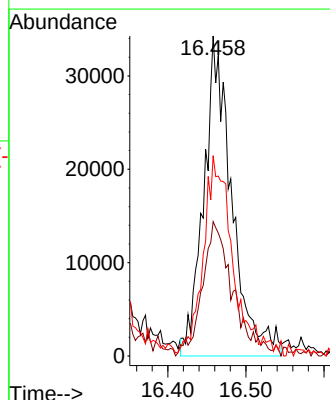
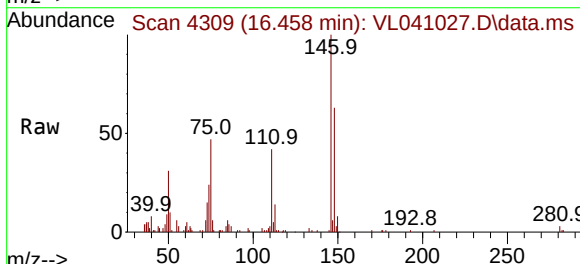
Delta R.T. -0.000 min

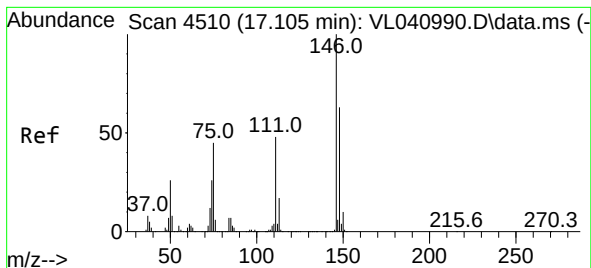
Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Tgt Ion:146 Resp: 85800

Ion	Ratio	Lower	Upper
146	100		
111	46.7	24.0	72.0
148	66.6	32.9	98.7





#77

1,2-Dichlorobenzene

Concen: 0.485 ppbv m

RT: 17.137 min Scan# 4

Delta R.T. 0.009 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

Instrument :

MSVOA_L

ClientSampleId :

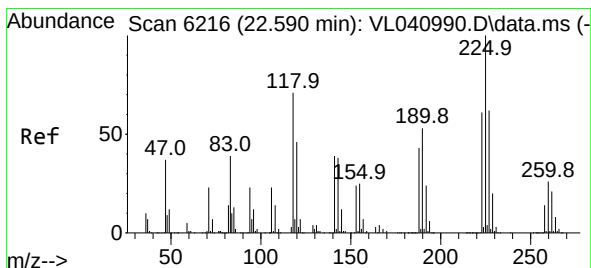
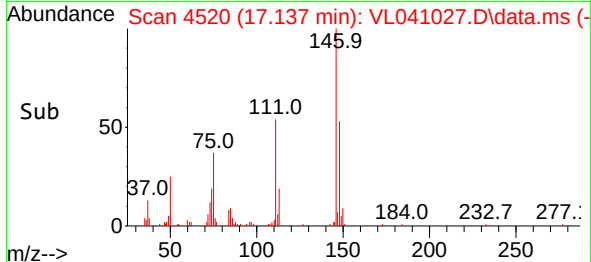
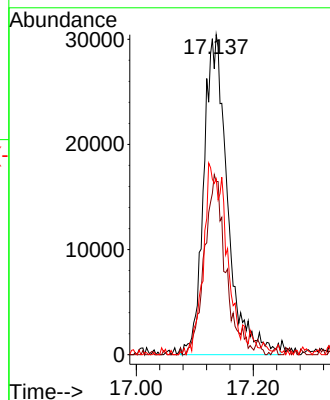
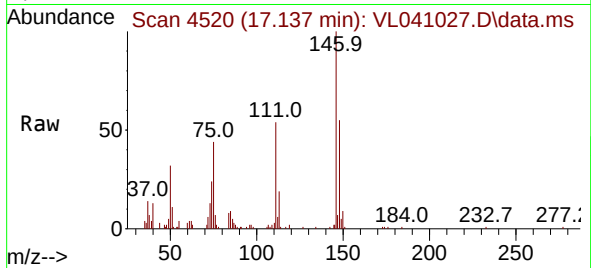
MDL-AIR-03-QT1-2024DL

Tgt Ion:	146	Resp:	8598
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.8	74.3
148	62.0	31.8	95.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.487 ppbv m

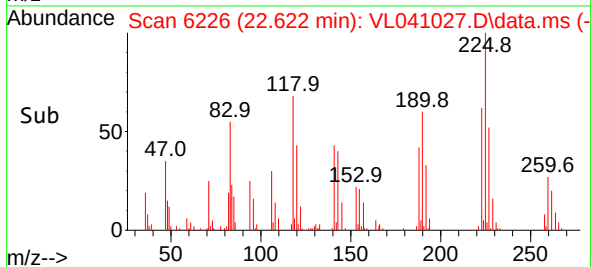
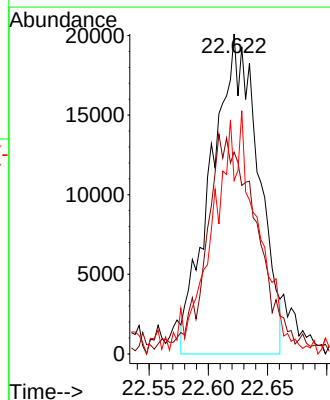
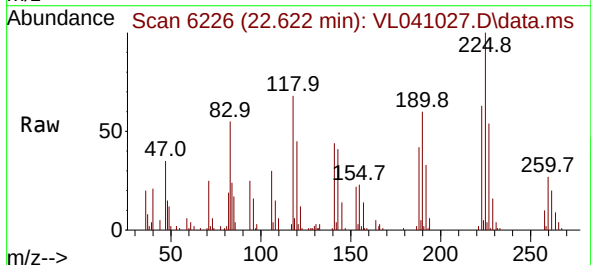
RT: 22.622 min Scan# 6226

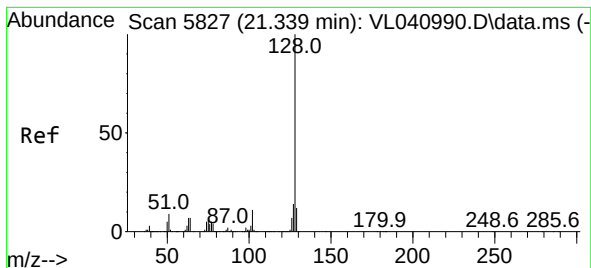
Delta R.T. 0.006 min

Lab File: VL041027.D

Acq: 25 Jan 2024 13:23

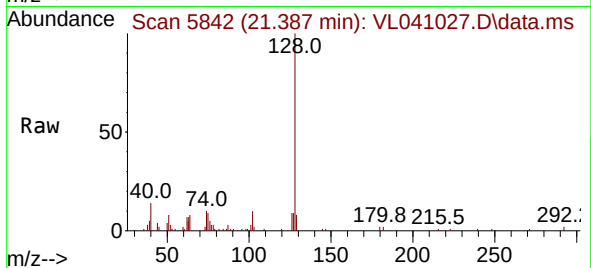
Tgt Ion:	225	Resp:	55744
Ion Ratio	Lower	Upper	
225	100		
223	75.6	51.1	76.7
227	0.0	51.0	76.4





#79
Naphthalene
Concen: 0.458 ppbv m
RT: 21.387 min Scan# 5842
Delta R.T. 0.022 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

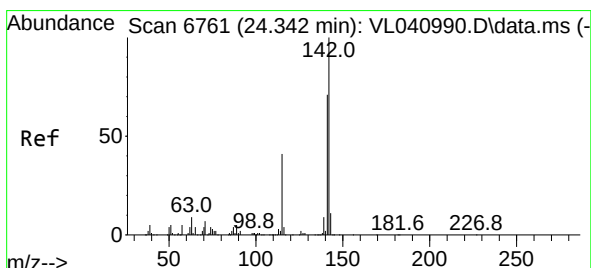
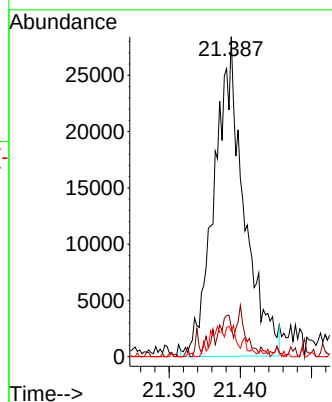
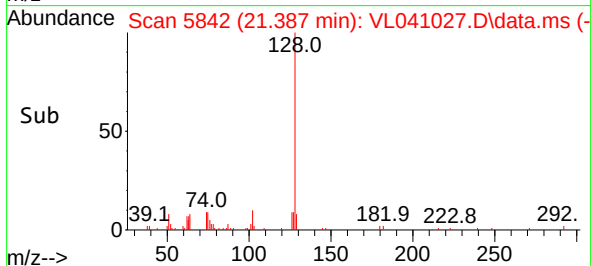
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



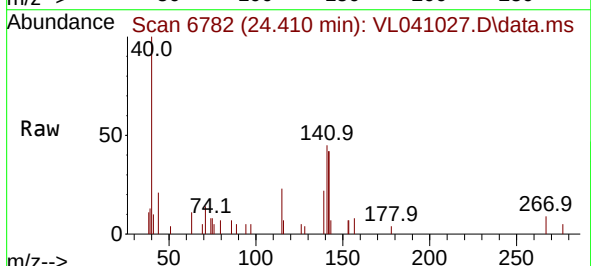
Tgt Ion:128 Resp: 82000
Ion Ratio Lower Upper
128 100
127 9.4 10.9 16.3
129 7.9 9.3 13.9

Manual Integrations
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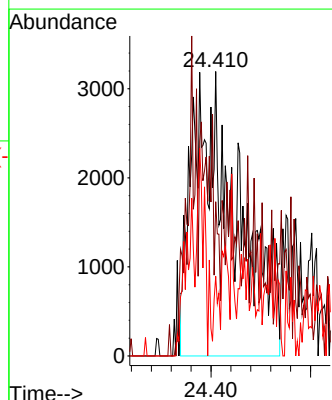
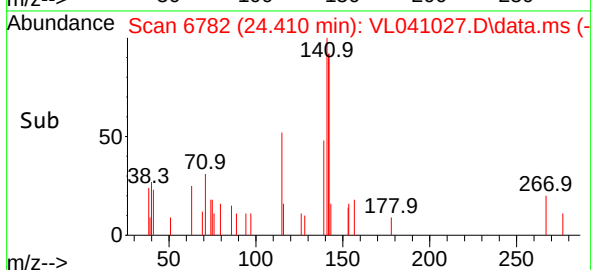
Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

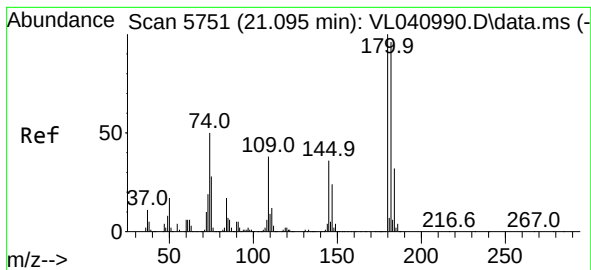


#80
Naphthalene,2-methyl-
Concen: 0.618 ppbv m
RT: 24.410 min Scan# 6782
Delta R.T. 0.048 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23



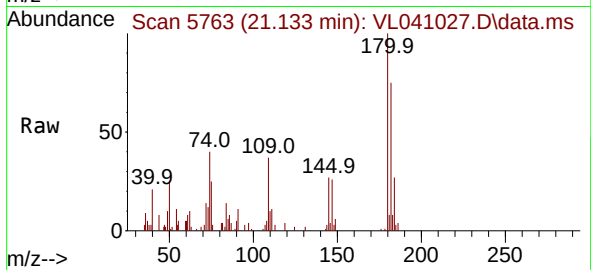
Tgt Ion:142 Resp: 19415
Ion Ratio Lower Upper
142 100
141 23.0 62.7 94.1#
115 11.5 34.0 51.0#





#81
1,2,4-Trichlorobenzene
Concen: 0.456 ppbv m
RT: 21.133 min Scan# 51
Delta R.T. 0.013 min
Lab File: VL041027.D
Acq: 25 Jan 2024 13:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2024DL



Tgt Ion:180 Resp: 4762
Ion Ratio Lower Upper
180 100
182 0.0 78.6 118.0
184 26.5 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
Supervised By :Mahesh Dadoda 01/26/2024

