

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040348.D
 Acq On : 12 Apr 2023 22:43
 Operator : SY/MD
 Sample : 02213-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

Quant Time: Apr 13 07:48:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	935047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2444441	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2172544	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.790 95 1844176 10.137 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.719	85	93039	0.507	ppbv	93
3) Chlorodifluoromethane	2.665	51	58862	0.501	ppbv	100
4) Chloromethane	2.803	50	38530	0.531	ppbv	91
5) Vinyl Chloride	2.909	62	30193	0.514	ppbv	90
6) Bromomethane	3.115	94	11114m	0.545	ppbv	
7) Chloroethane	3.189	64	11440	0.507	ppbv #	88
8) Dichlorotetrafluoroethane	2.845	85	82961	0.528	ppbv	98
9) Propene	2.684	41	23396	0.519	ppbv	95
10) Heptane	7.581	43	42372	0.391	ppbv	93
11) Trichlorofluoromethane	3.555	101	82186	0.494	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.060	101	58428	0.468	ppbv	94
13) Ethanol	3.253	45	2658m	0.805	ppbv	
14) Bromoethene	3.359	108	21480	0.461	ppbv #	91
15) Acetone	3.475	43	77508	0.681	ppbv	92
16) 1,3-Butadiene	2.976	39	26218m	0.507	ppbv	
17) tert-Butyl alcohol	3.886	59	50530	0.467	ppbv	96
18) 1,1-Dichloroethene	3.877	96	26118	0.488	ppbv	97
19) Isopropyl Alcohol	3.584	45	26519	0.486	ppbv #	90
20) Methylene Chloride	3.928	84	26433	0.552	ppbv	86
21) Allyl Chloride	3.996	41	31079	0.421	ppbv	87
22) trans-1,2-Dichloroethene	4.439	96	22697	0.416	ppbv	94
23) Vinyl Acetate	4.626	43	16510	0.521	ppbv #	94
24) 1,1-Dichloroethane	4.562	63	54224	0.480	ppbv	99
25) Ethyl Acetate	5.208	43	93570	0.439	ppbv	97
26) Hexane	5.214	57	37549m	0.429	ppbv	
27) Carbon Disulfide	4.124	76	51703m	0.423	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	42203	0.420	ppbv	100
29) Chloroform	5.269	83	79448	0.514	ppbv	90
30) Cyclohexane	6.603	84	29308m	0.425	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	38429m	0.451	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	73550	0.497	ppbv	99
34) 2-Butanone	4.800	43	61276m	0.508	ppbv	
35) Carbon Tetrachloride	6.494	117	71433m	0.466	ppbv	
36) Benzene	6.372	78	78050	0.419	ppbv #	95
37) 1,2-Dichloroethane	5.809	62	56492	0.466	ppbv	98
38) Trichloroethene	7.295	130	44979	0.442	ppbv	96
39) 1,2-Dichloropropane	7.079	63	32535	0.445	ppbv #	88
40) 1,4-Dioxane	7.324	88	11415m	0.395	ppbv	
41) Tetrahydrofuran	5.584	42	25874m	0.372	ppbv	
42) Bromodichloromethane	7.253	83	72990	0.441	ppbv #	93
43) Methyl Methacrylate	7.488	69	24187m	0.349	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	128076m	0.412	ppbv	
45) t-1,3-Dichloropropene	8.725	75	19702m	0.326	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 07:48:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

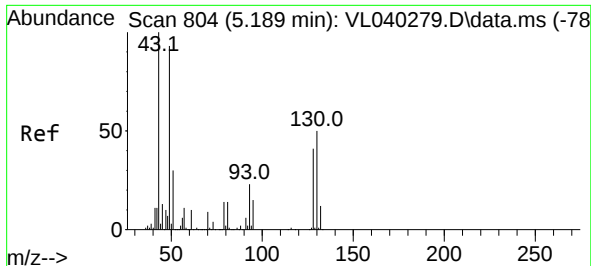
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

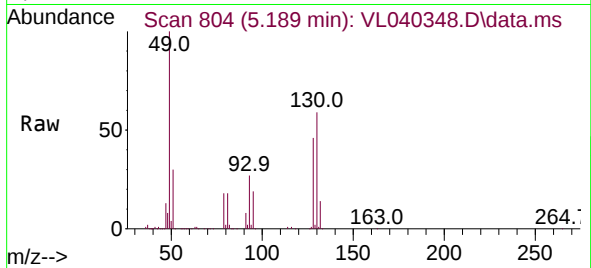
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	26343m	0.307	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	35887m	0.460	ppbv	
48) Dibromochloromethane	9.719	129	48278	0.376	ppbv	90
49) Bromoform	12.420	173	35824m	0.372	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	74557m	0.399	ppbv	
51) 2-Hexanone	9.577	43	45495m	0.315	ppbv	
52) Tetrachloroethene	10.629	164	26884m	0.477	ppbv	
53) Toluene	9.227	91	64415m	0.330	ppbv	
54) 1,2-Dibromoethane	10.012	107	35665m	0.444	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.526	131	44626m	0.488	ppbv	
57) Chlorobenzene	11.536	112	73445	0.475	ppbv	97
58) Ethyl Benzene	12.102	91	88988	0.360	ppbv	96
59) m/p-Xylene	12.375	91	177505m	0.783	ppbv	
60) o-Xylene	13.073	91	82664	0.382	ppbv	97
61) Styrene	12.915	104	32663m	0.297	ppbv	
62) Isopropylbenzene	14.044	105	128307	0.416	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	37116	0.487	ppbv	97
64) n-propylbenzene	14.931	120	28906m	0.383	ppbv	
65) tert-Butylbenzene	16.105	119	109441m	0.412	ppbv	
66) Benzyl Chloride	16.355	91	6760m	0.391	ppbv	
67) sec-Butylbenzene	16.654	105	152553	0.401	ppbv	97
69) p-Isopropyltoluene	17.008	119	109537	0.370	ppbv	95
70) n-Butylbenzene	17.902	91	122030	0.374	ppbv	96
71) 2-Chlorotoluene	14.815	91	87665	0.373	ppbv	100
72) 4-Ethyltoluene	15.214	105	86235	0.364	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.368	105	80117	0.373	ppbv	96
74) 1,2,4-Trimethylbenzene	16.121	105	100451	0.411	ppbv	93
75) 1,3-Dichlorobenzene	16.346	146	58240m	0.439	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	56713m	0.449	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	58053m	0.456	ppbv	
78) Hexachloro-1,3-Butadiene	22.661	225	48328m	0.517	ppbv	
79) Naphthalene	21.410	128	42677m	0.295	ppbv	
80) Naphthalene,2-methyl-	24.423	142	7328m	0.200	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	33108m	0.371	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

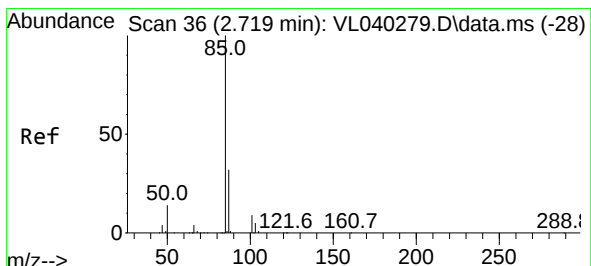
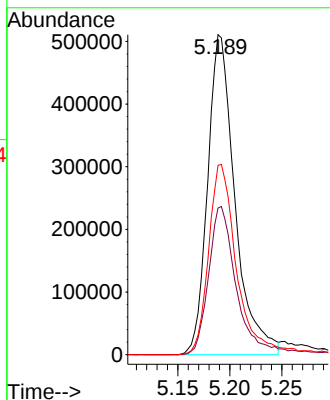
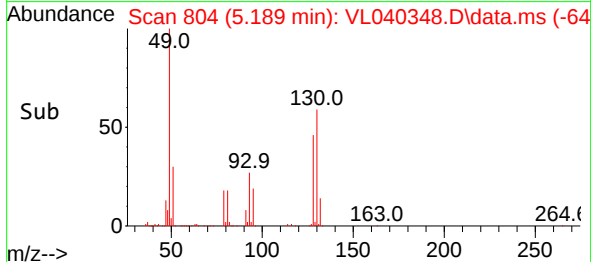
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



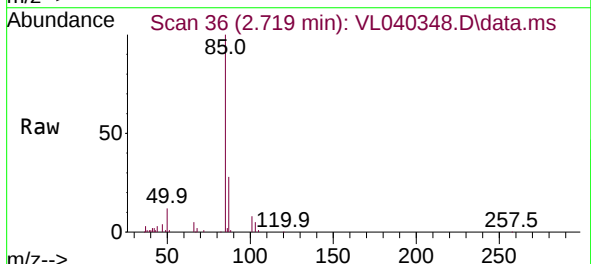
Tgt Ion: 49 Resp: 93504
Ion Ratio Lower Upper
49 100
128 48.5 22.4 67.3
130 63.3 28.7 86.1

Manual Integrations
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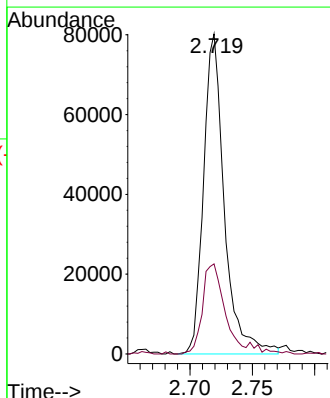
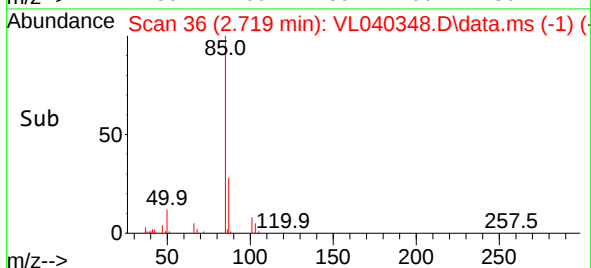
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#2
Dichlorodifluoromethane
Concen: 0.507 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



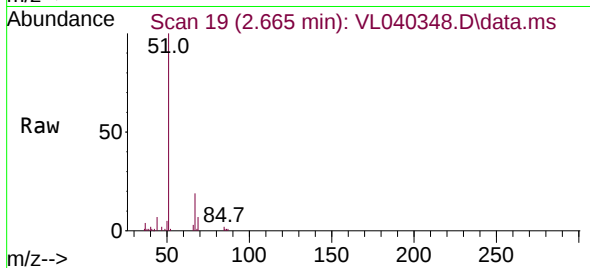
Tgt Ion: 85 Resp: 93039
Ion Ratio Lower Upper
85 100
87 28.1 25.5 38.3





#3
Chlorodifluoromethane
Concen: 0.501 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

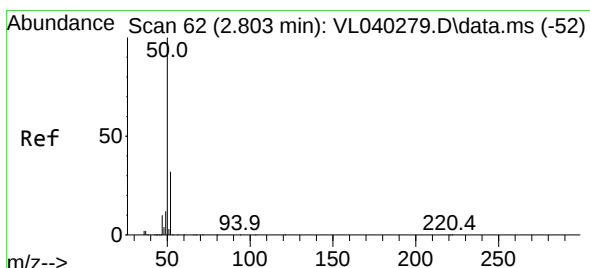
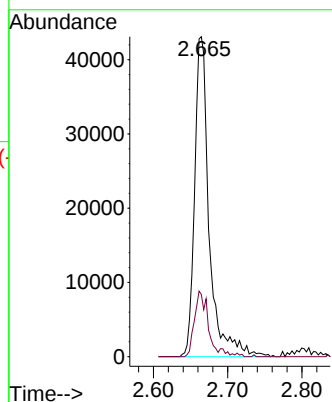
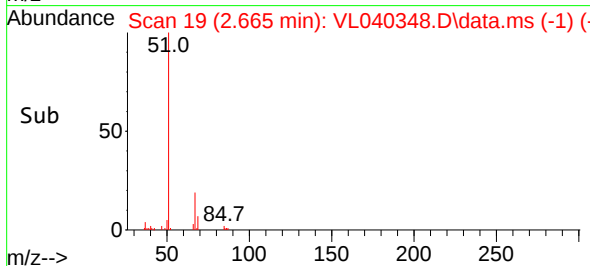
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



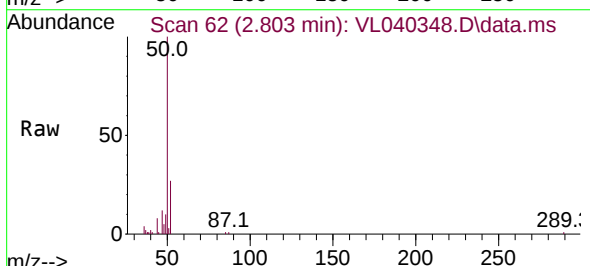
Tgt Ion: 51 Resp: 5886
Ion Ratio Lower Upper
51 100
67 20.1 16.0 24.0

Manual Integrations
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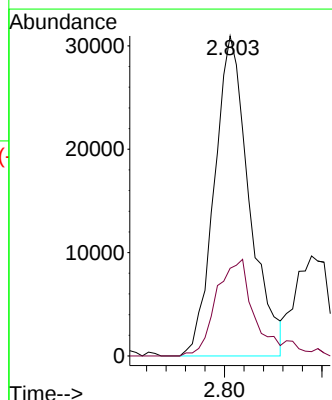
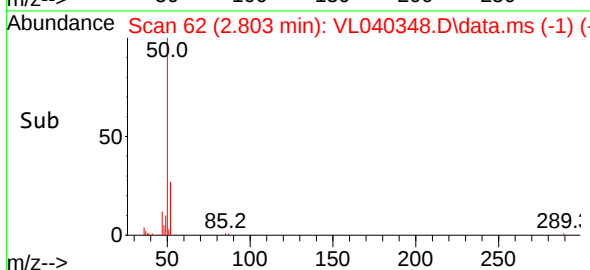
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

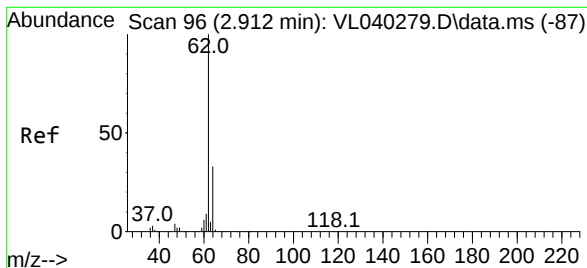


#4
Chloromethane
Concen: 0.531 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



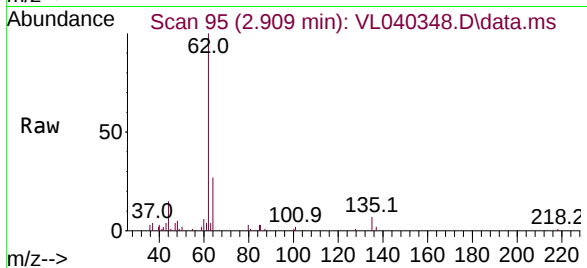
Tgt Ion: 50 Resp: 38530
Ion Ratio Lower Upper
50 100
52 27.4 25.9 38.9





#5
 Vinyl Chloride
 Concen: 0.514 ppbv
 RT: 2.909 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

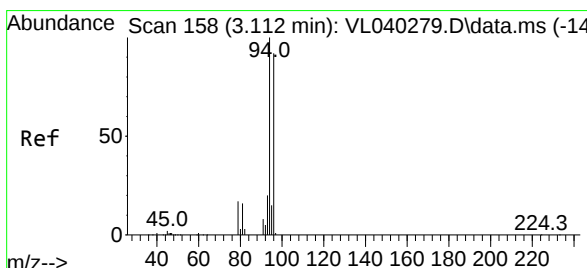
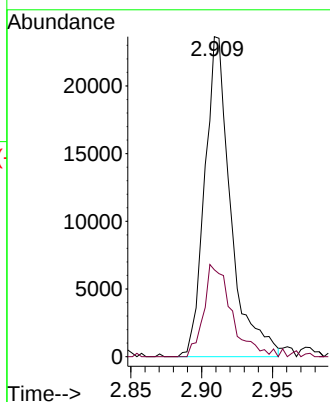
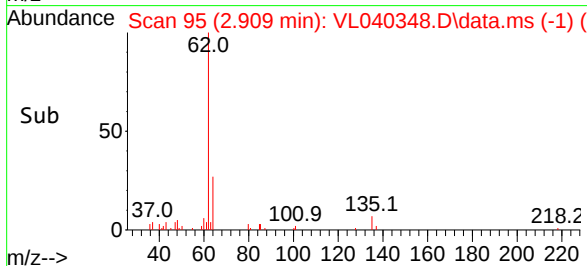
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



Tgt Ion: 62 Resp: 3019
 Ion Ratio Lower Upper
 62 100
 64 27.2 26.4 39.6

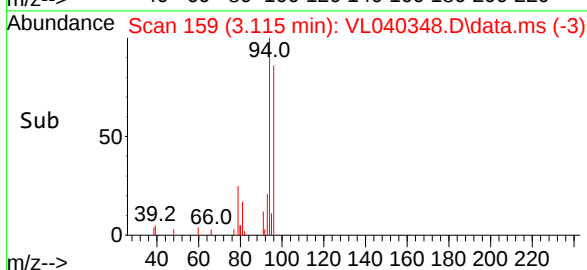
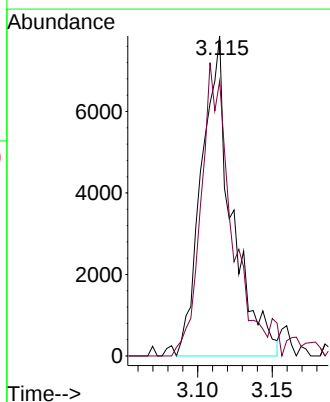
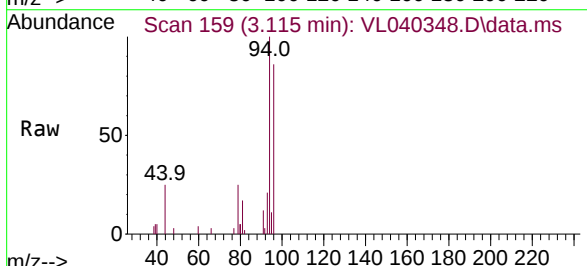
Manual Integrations
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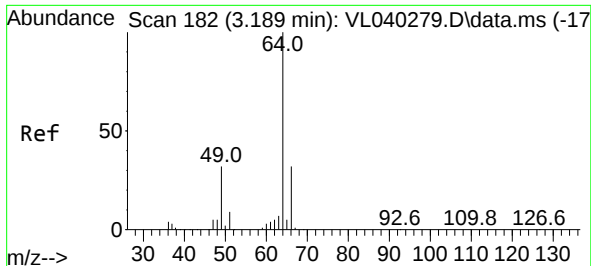
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#6
 Bromomethane
 Concen: 0.545 ppbv m
 RT: 3.115 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

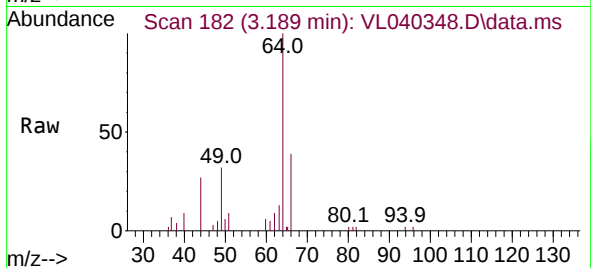
Tgt Ion: 94 Resp: 11114
 Ion Ratio Lower Upper
 94 100
 96 85.9 73.7 110.5





#7
Chloroethane
Concen: 0.507 ppbv
RT: 3.189 min Scan# 11440
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

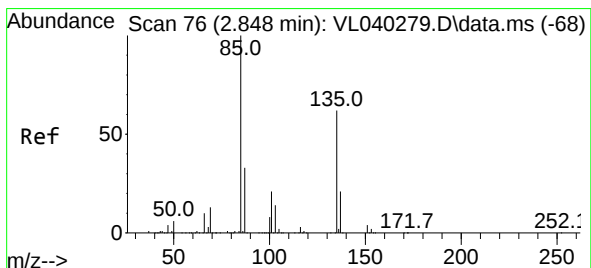
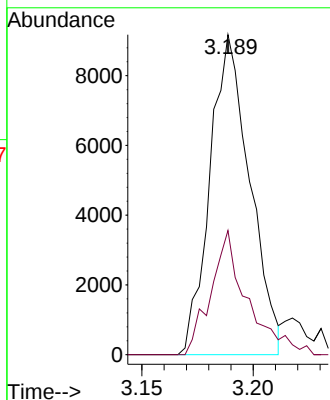
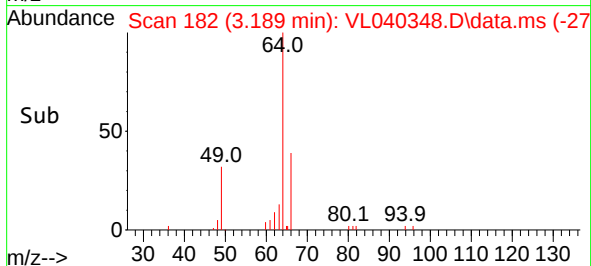
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2023



Tgt Ion: 64 Resp: 11440
Ion Ratio Lower Upper
64 100
66 38.8 25.5 38.3

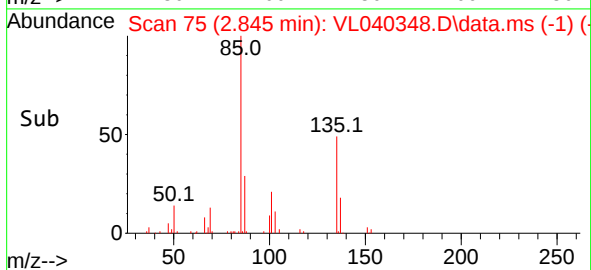
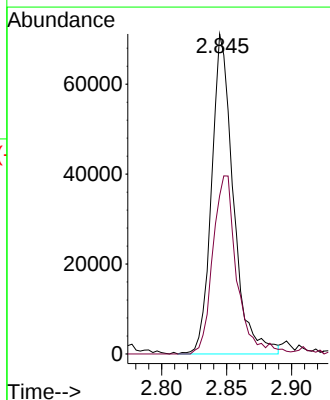
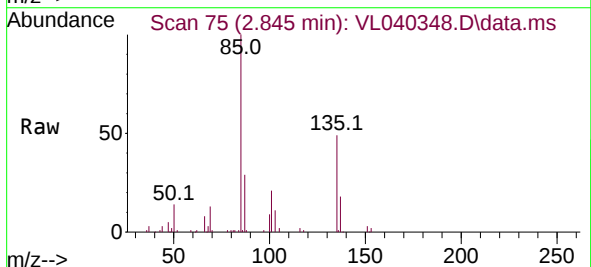
Manual Integrations
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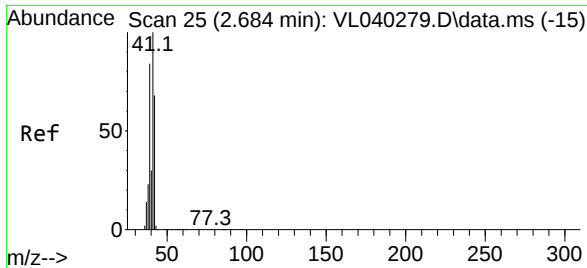
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#8
Dichlorotetrafluoroethane
Concen: 0.528 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

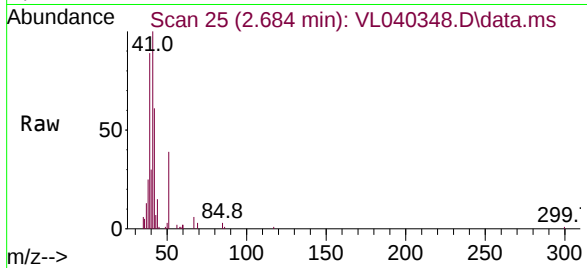
Tgt Ion: 85 Resp: 82961
Ion Ratio Lower Upper
85 100
135 63.3 52.0 78.0





#9
 Propene
 Concen: 0.519 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

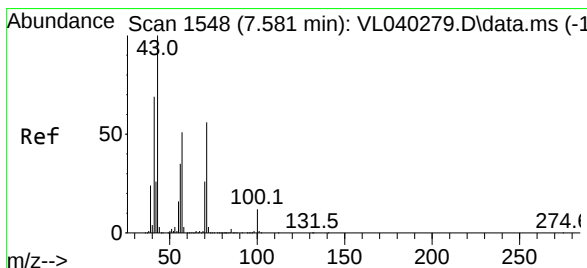
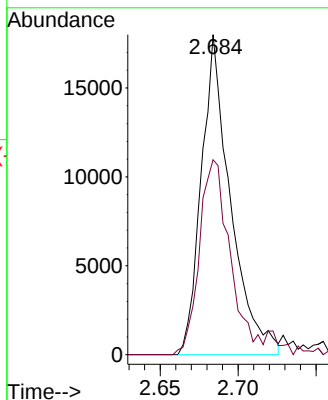
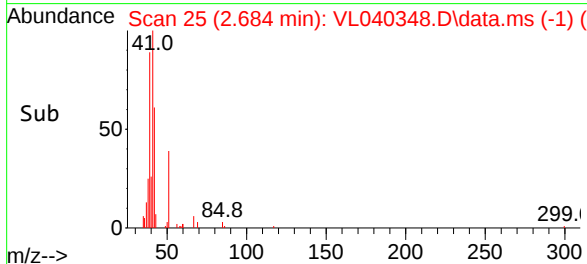
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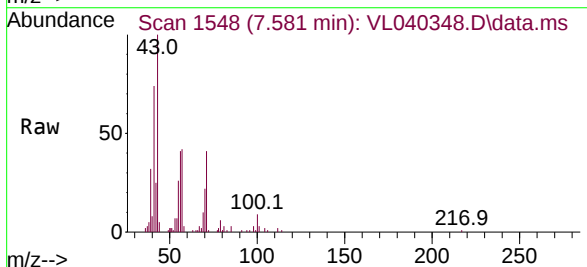
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 Ion Ratio Lower Upper
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 42 69.3 59.0 88.4

Manual Integrations
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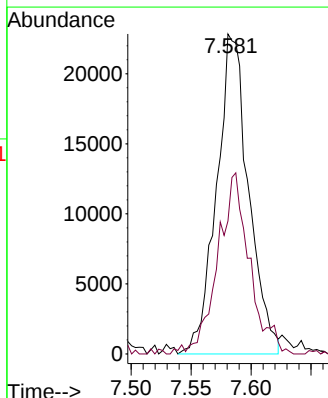
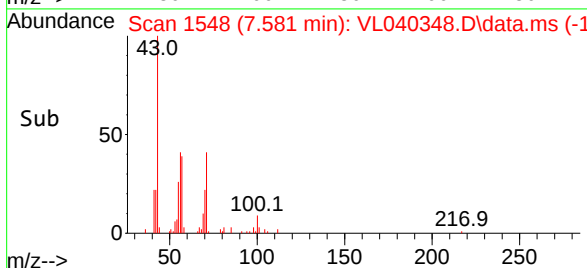
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#10
 Heptane
 Concen: 0.391 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43



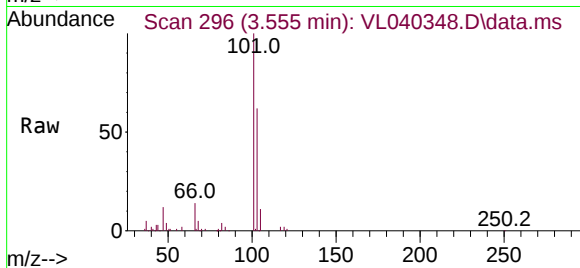
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 Ion Ratio Lower Upper
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 57 57.1 41.7 62.5





#11
 Trichlorofluoromethane
 Concen: 0.494 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. 0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

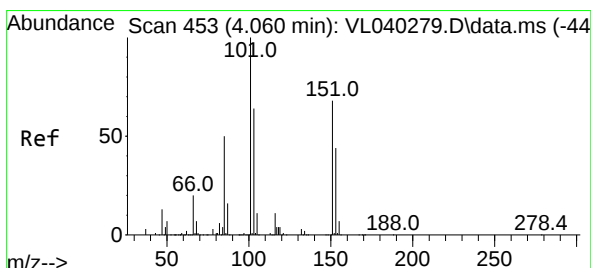
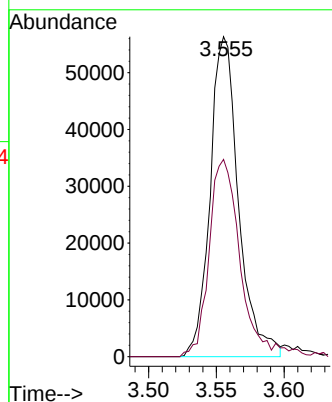
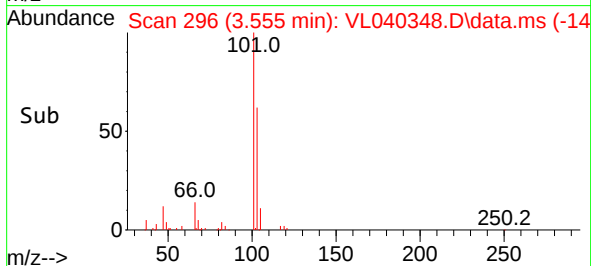
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



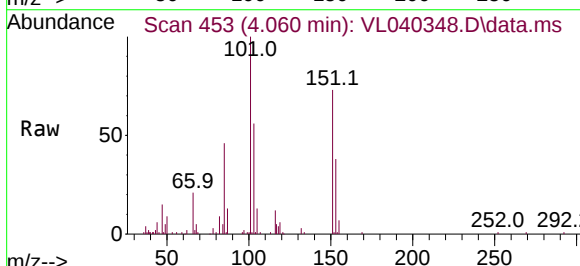
Tgt Ion:101 Resp: 82180
 Ion Ratio Lower Upper
 101 100
 103 61.6 53.1 79.7

Manual Integrations
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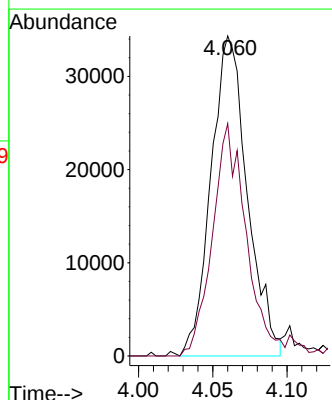
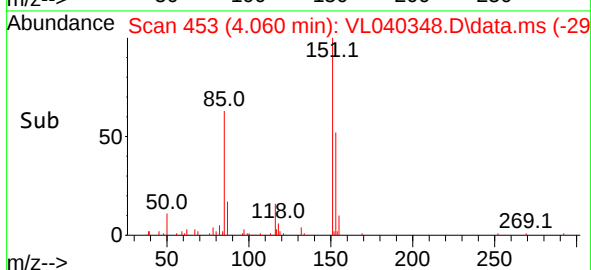
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

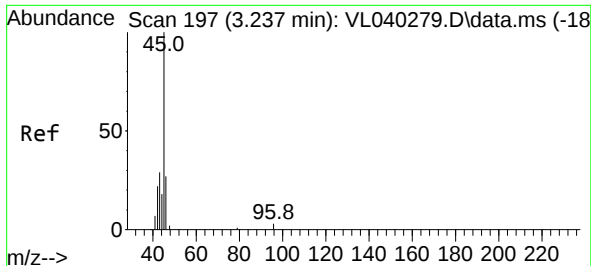


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.468 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43



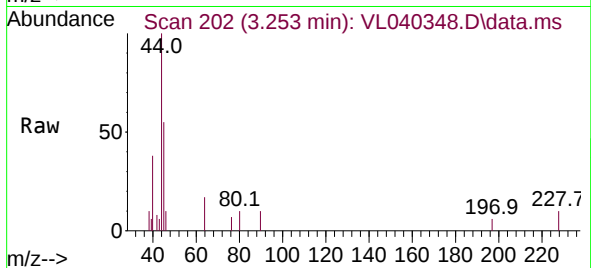
Tgt Ion:101 Resp: 58428
 Ion Ratio Lower Upper
 101 100
 151 71.0 53.2 79.8





#13
Ethanol
Concen: 0.805 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.016 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

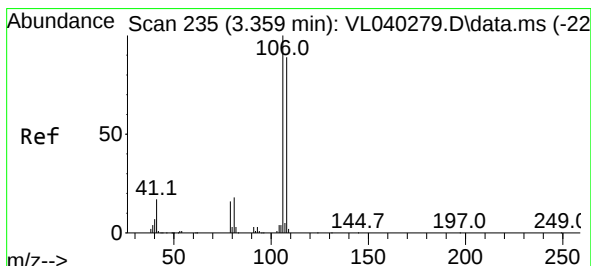
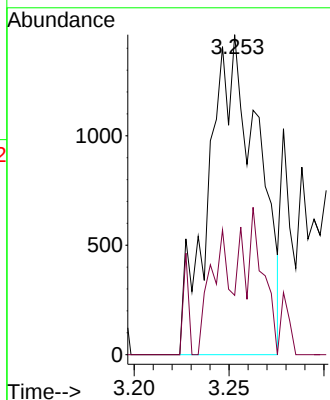
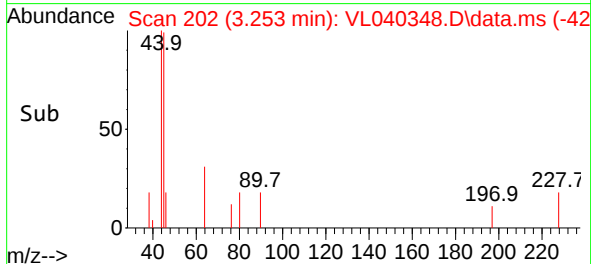
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 45 Resp: 2658
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.2

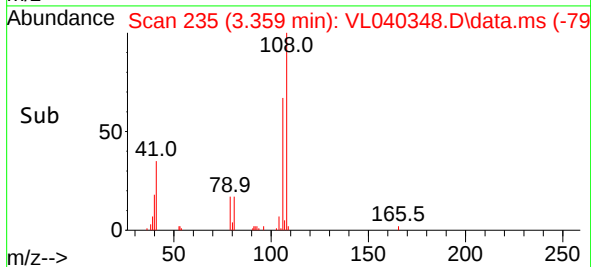
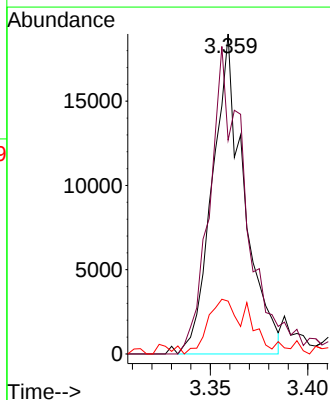
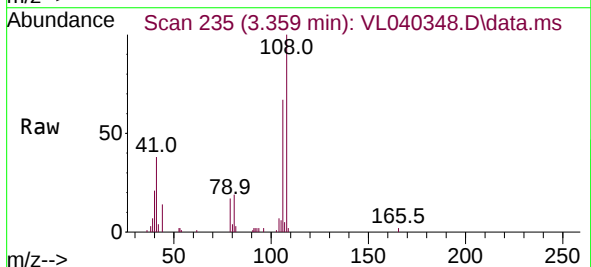
Manual Integrations
APPROVED

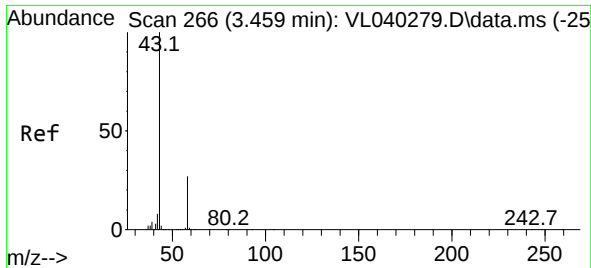
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#14
Bromoethene
Concen: 0.461 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion:108 Resp: 21480
Ion Ratio Lower Upper
108 100
106 116.1 85.8 128.8
79 25.0 15.8 23.6





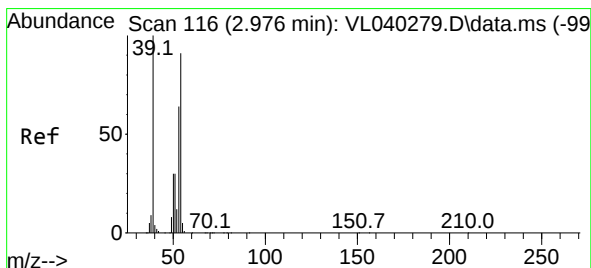
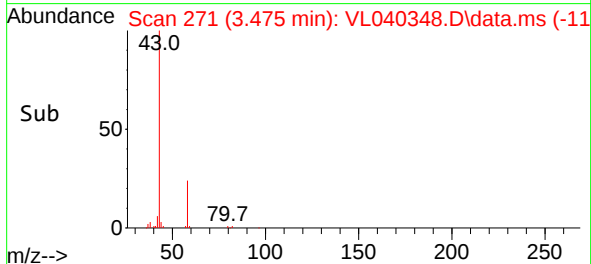
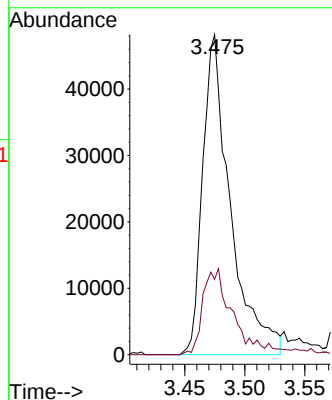
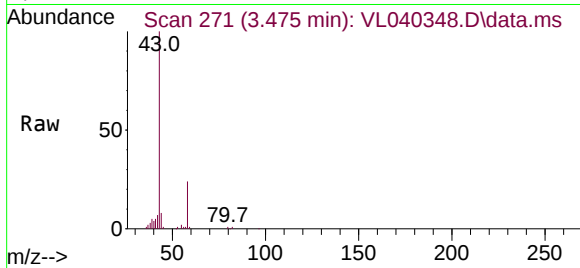
#15
Acetone
Concen: 0.681 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 43 Resp: 77508
Ion Ratio Lower Upper
43 100
58 31.3 21.8 32.8

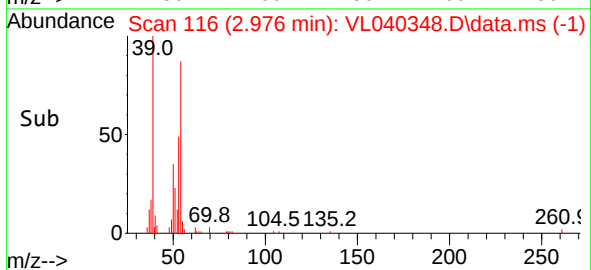
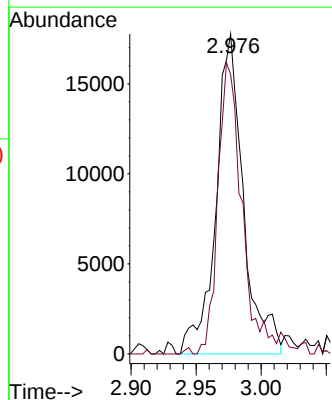
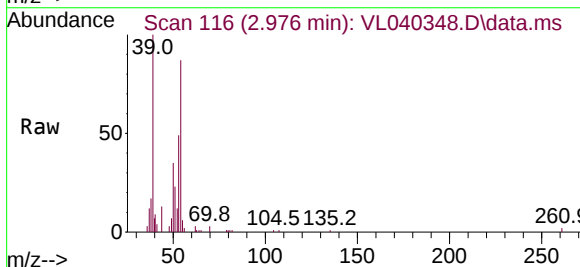
Manual Integrations
APPROVED

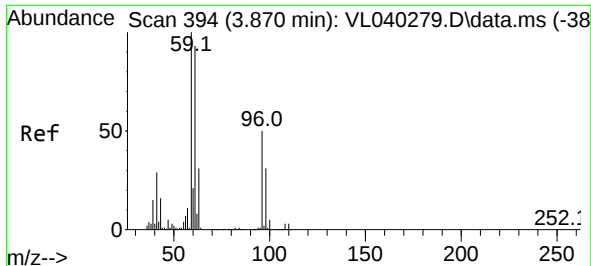
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#16
1,3-Butadiene
Concen: 0.507 ppbv m
RT: 2.976 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion: 39 Resp: 26218
Ion Ratio Lower Upper
39 100
54 83.2 68.4 102.6





#17

tert-Butyl alcohol

Concen: 0.467 ppbv

RT: 3.886 min Scan# 394

Delta R.T. 0.016 min

Lab File: VL040348.D

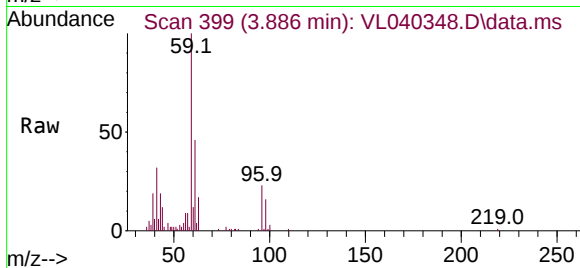
Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023



Tgt Ion: 59 Resp: 50530

Ion Ratio Lower Upper

59 100

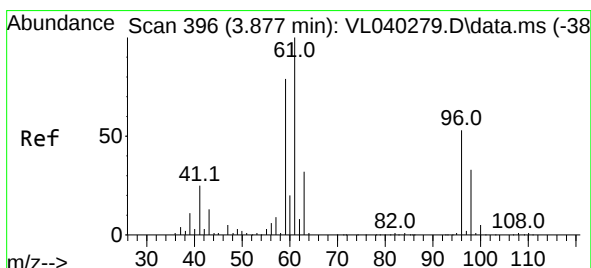
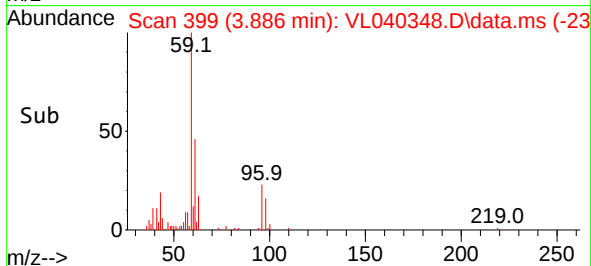
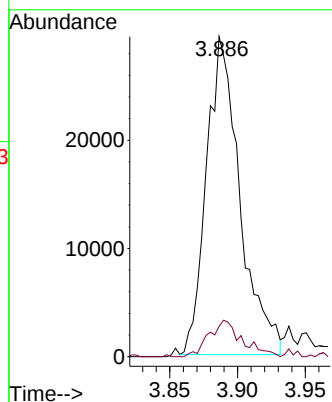
57 11.9 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#18

1,1-Dichloroethene

Concen: 0.488 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

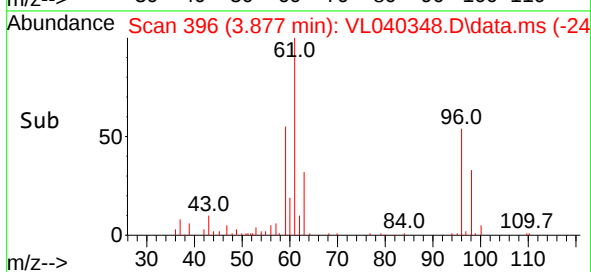
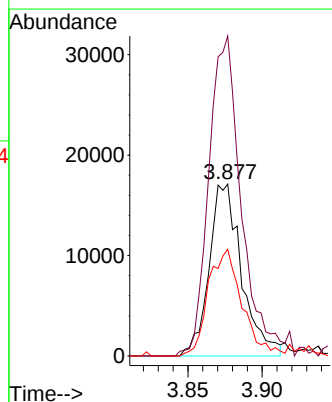
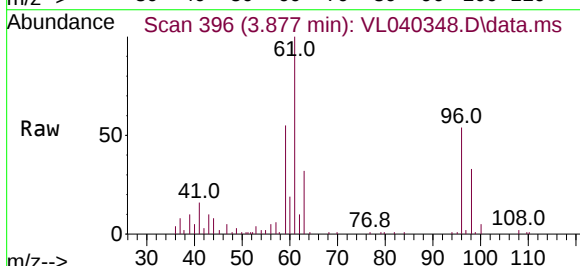
Tgt Ion: 96 Resp: 26118

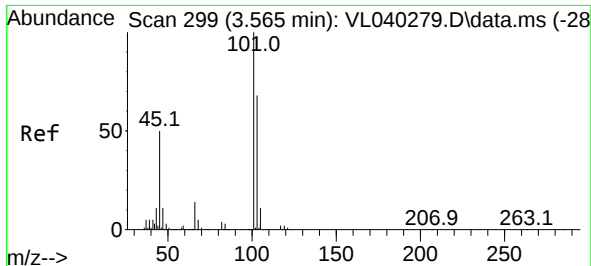
Ion Ratio Lower Upper

96 100

61 183.5 150.6 226.0

98 62.1 50.3 75.5





#19

Isopropyl Alcohol

Concen: 0.486 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.019 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

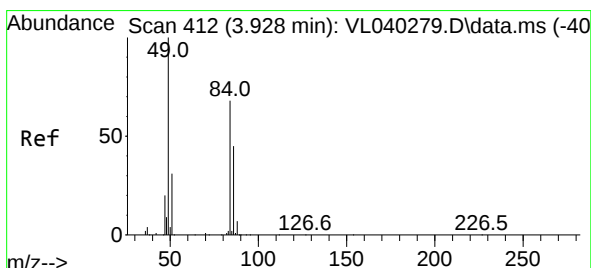
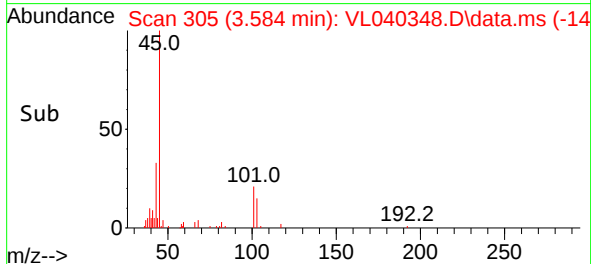
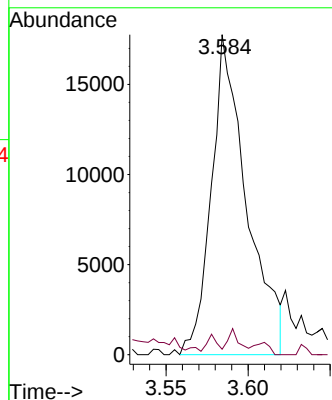
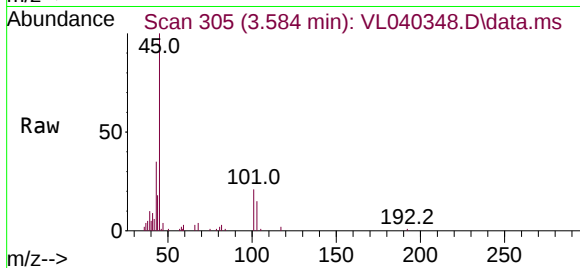
MDL-AIR-03-QT2-2023

Tgt Ion: 45 Resp: 26519
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.7 4.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#20

Methylene Chloride

Concen: 0.552 ppbv

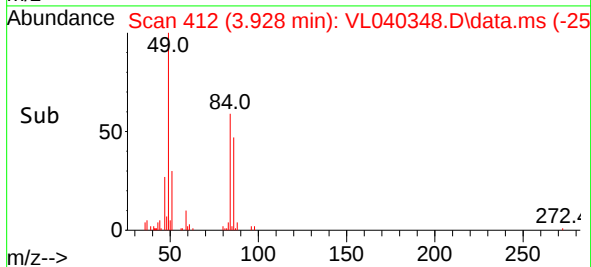
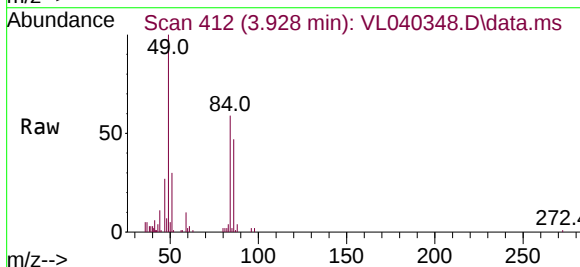
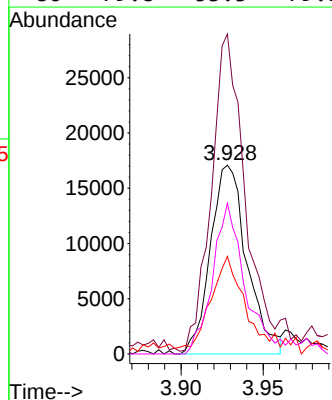
RT: 3.928 min Scan# 412

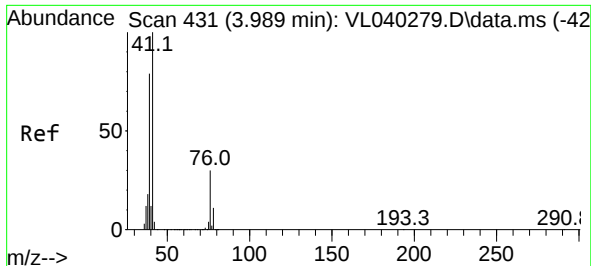
Delta R.T. 0.000 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

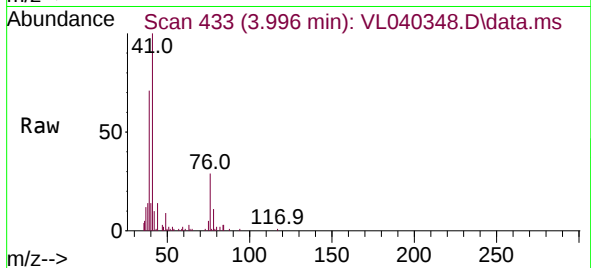
Tgt Ion: 84 Resp: 26433
 Ion Ratio Lower Upper
 84 100
 49 168.0 117.5 176.3
 51 48.1 36.9 55.3
 86 79.8 53.3 79.9





#21
 Allyl Chloride
 Concen: 0.421 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

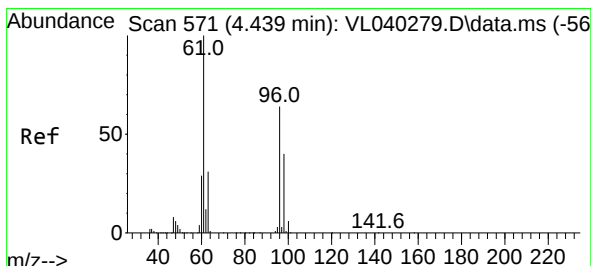
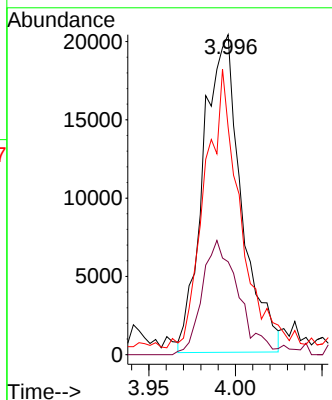
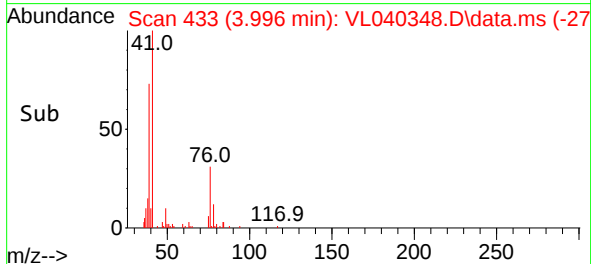
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



Tgt Ion: 41 Resp: 31079
 Ion Ratio Lower Upper
 41 100
 76 36.2 25.4 38.0
 39 94.8 65.4 98.2

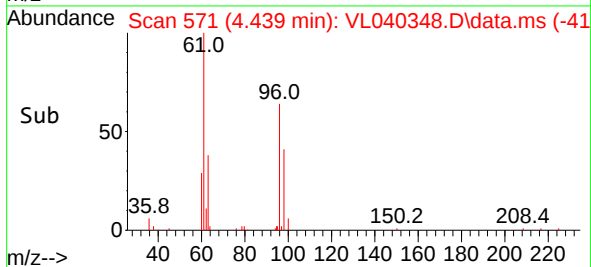
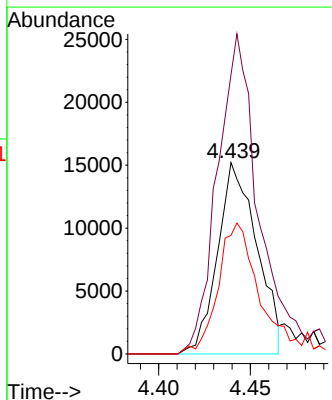
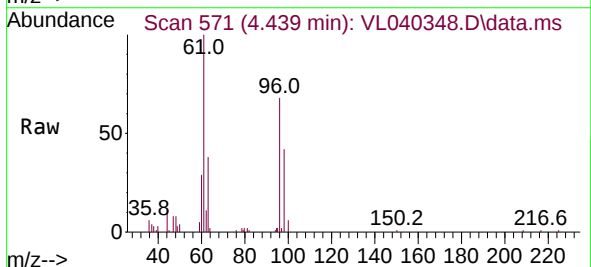
Manual Integrations
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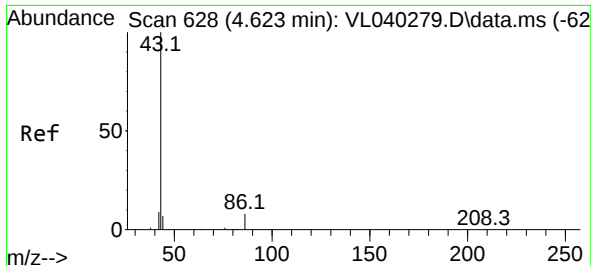
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.416 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

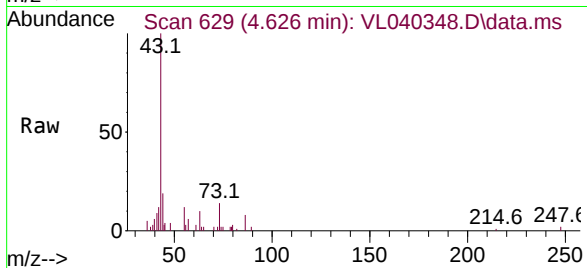
Tgt Ion: 96 Resp: 22697
 Ion Ratio Lower Upper
 96 100
 61 146.0 125.4 188.2
 98 62.0 49.8 74.6





#23
 Vinyl Acetate
 Concen: 0.521 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

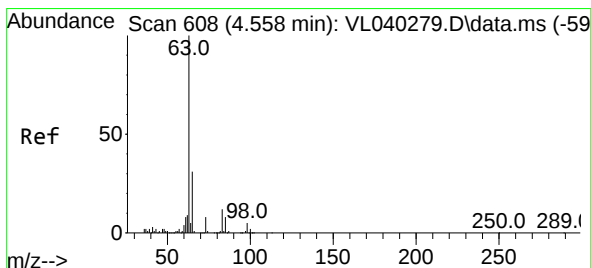
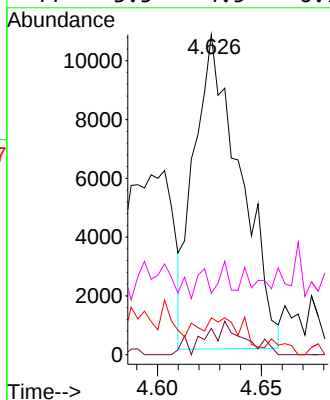
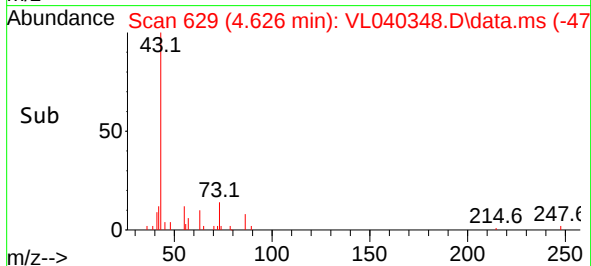
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



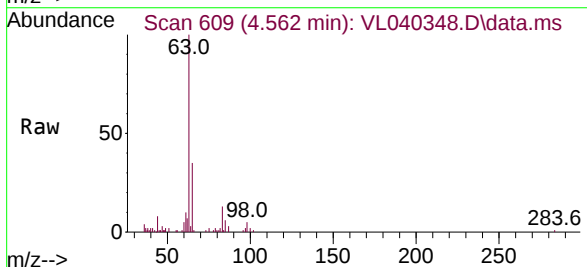
Tgt Ion: 43 Resp: 16510
 Ion Ratio Lower Upper
 43 100
 86 9.1 5.0 7.4
 42 9.4 9.1 13.7
 44 3.5 4.5 6.7

Manual Integrations
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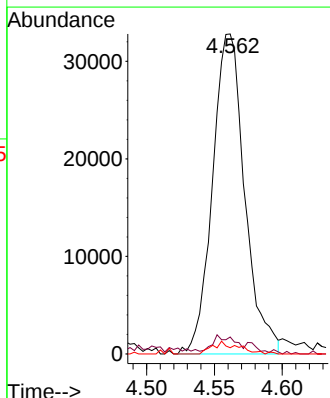
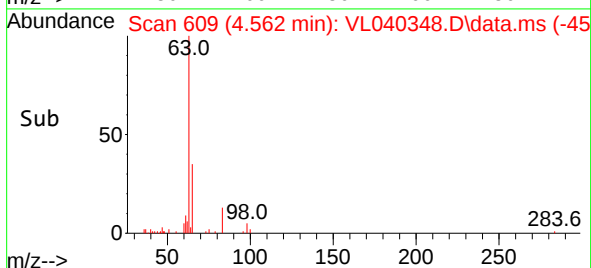
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

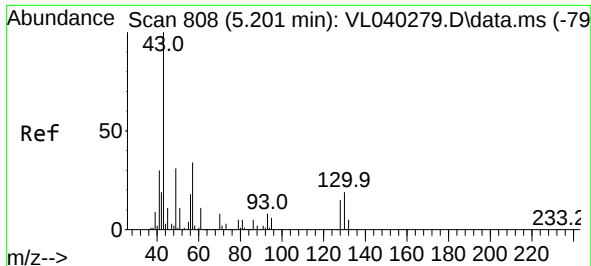


#24
 1,1-Dichloroethane
 Concen: 0.480 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.004 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43



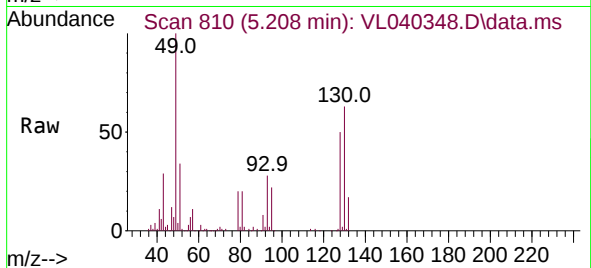
Tgt Ion: 63 Resp: 54224
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.4 7.2
 100 2.0 1.2 3.6





#25
Ethyl Acetate
Concen: 0.439 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

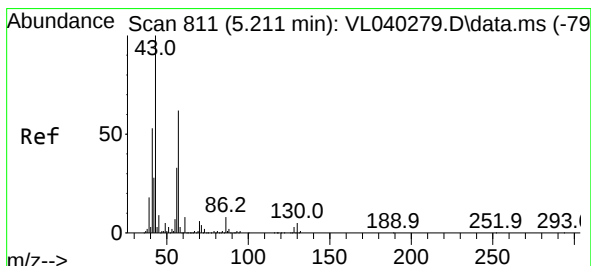
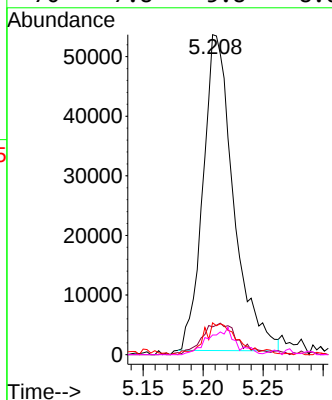
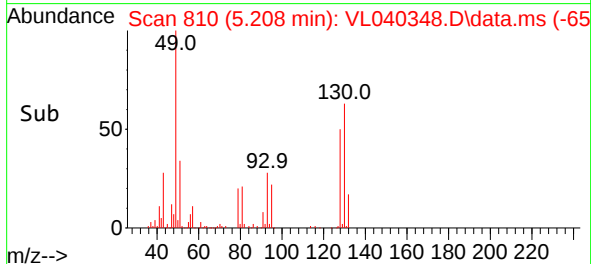
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 43 Resp: 93570
Ion Ratio Lower Upper
43 100
45 12.8 8.6 12.8
61 11.4 8.4 12.6
70 7.8 5.8 8.6

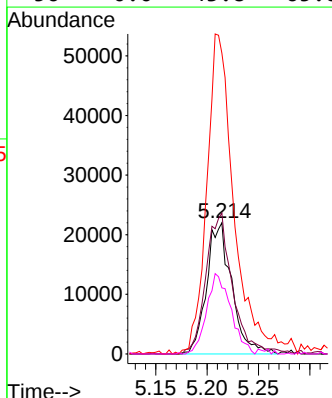
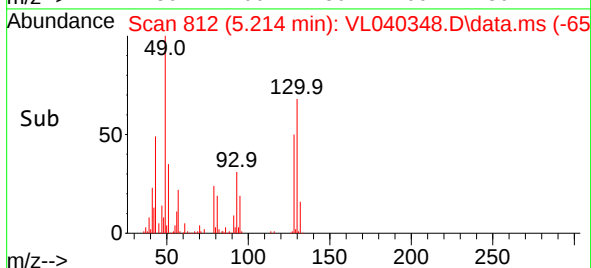
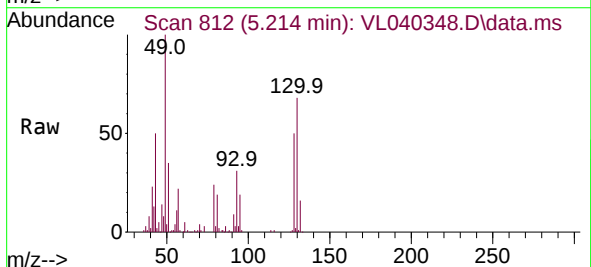
Manual Integrations
APPROVED

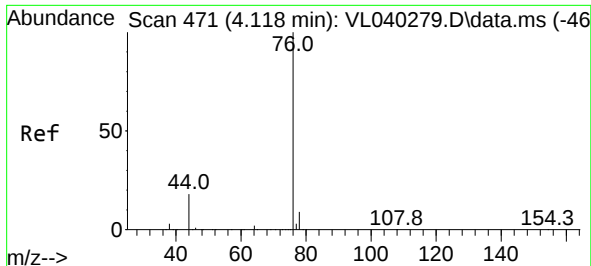
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#26
Hexane
Concen: 0.429 ppbv m
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

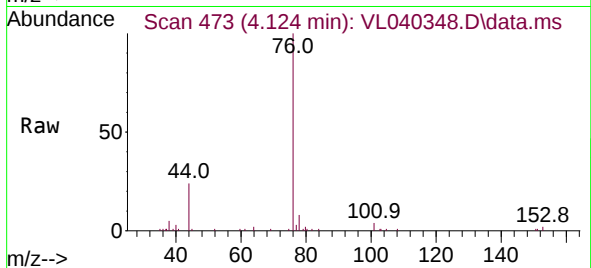
Tgt Ion: 57 Resp: 37549
Ion Ratio Lower Upper
57 100
41 115.5 73.5 110.3#
43 0.0 196.3 294.5#
56 0.0 43.8 65.8#





#27
Carbon Disulfide
Concen: 0.423 ppbv m
RT: 4.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

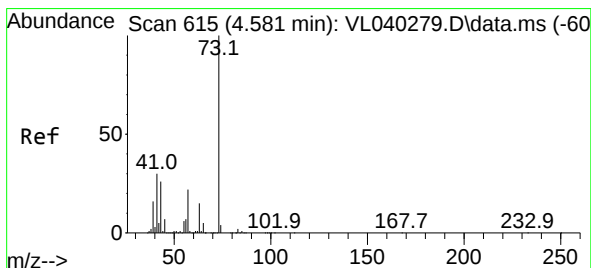
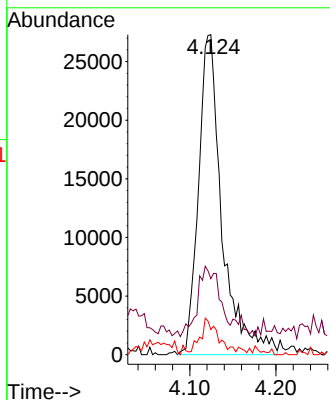
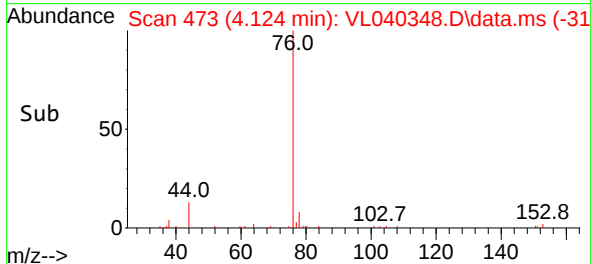
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 76 Resp: 5170
Ion Ratio Lower Upper
76 100
44 23.3 15.2 22.8
78 9.8 7.6 11.4

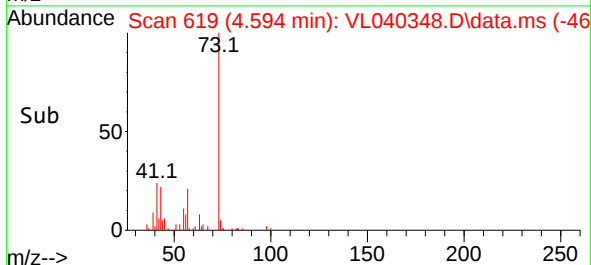
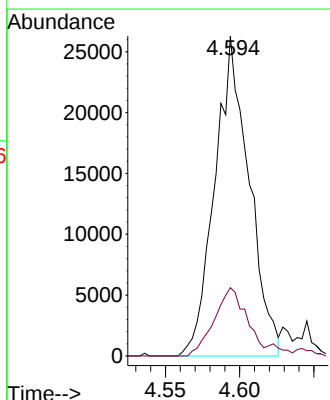
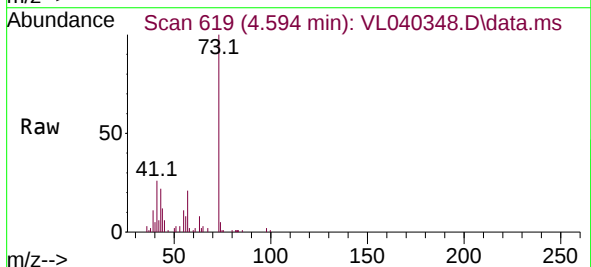
Manual Integrations
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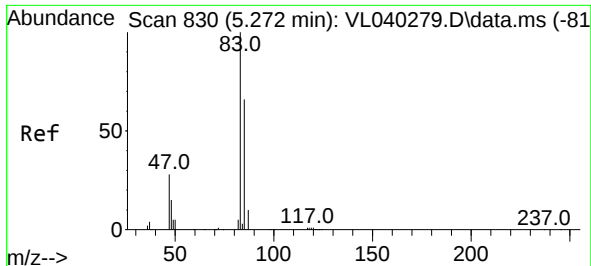
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#28
Methyl tert-Butyl Ether
Concen: 0.420 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion: 73 Resp: 42203
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6





#29

Chloroform

Concen: 0.514 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040348.D

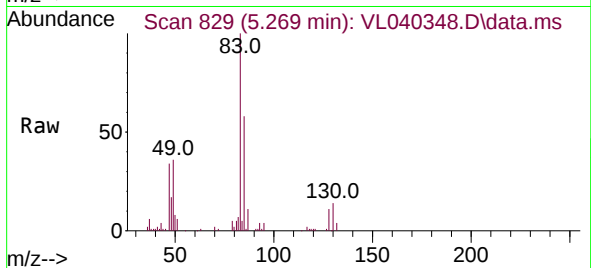
Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023



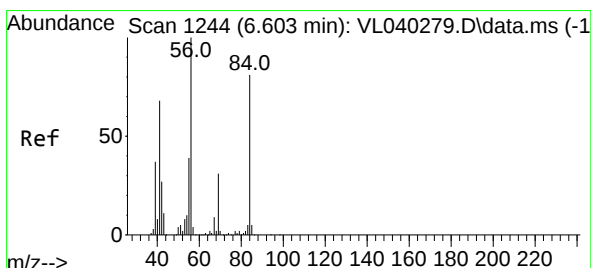
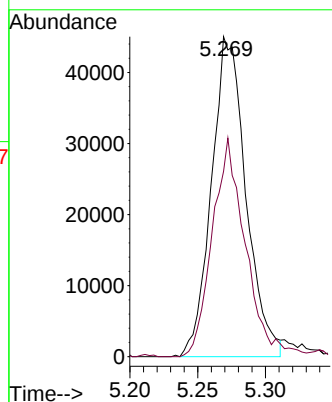
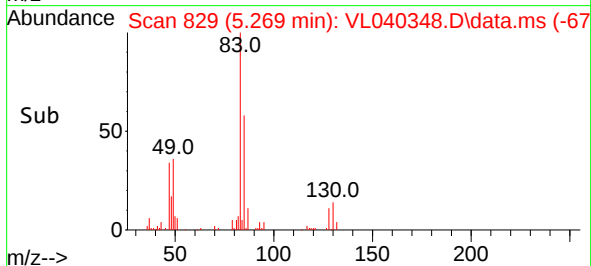
Tgt Ion: 83 Resp: 7944

Ion	Ratio	Lower	Upper
83	100		
85	57.9	52.8	79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#30

Cyclohexane

Concen: 0.425 ppbv m

RT: 6.603 min Scan# 1244

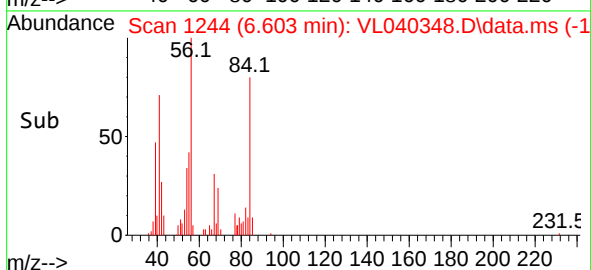
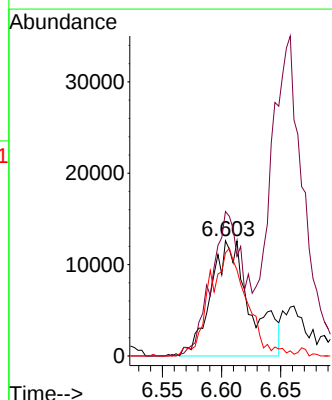
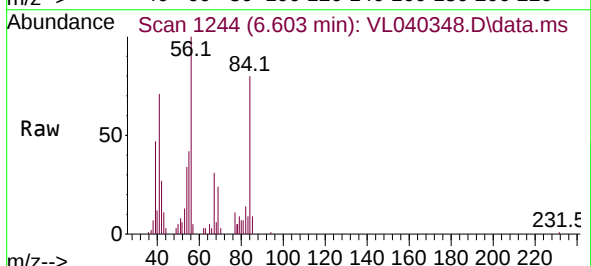
Delta R.T. 0.000 min

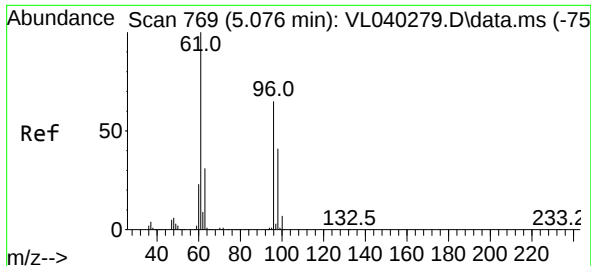
Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Tgt Ion: 84 Resp: 29308

Ion	Ratio	Lower	Upper
84	100		
56	110.9	109.0	163.4
41	88.3	67.9	101.9





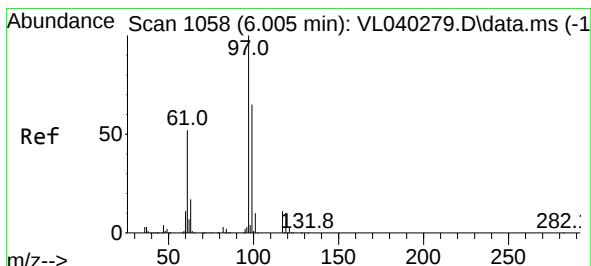
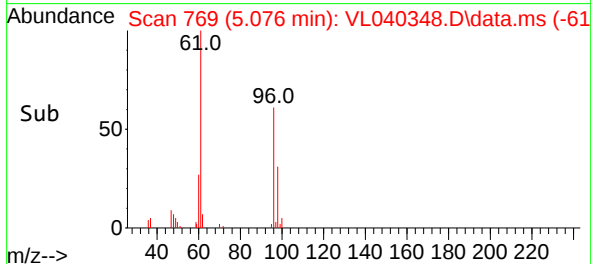
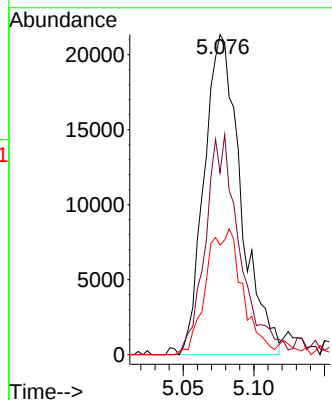
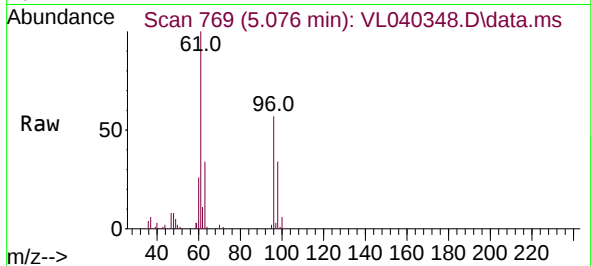
#31
 cis-1,2-Dichloroethene
 Concen: 0.451 ppbv m
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023

Tgt Ion: 61 Resp: 38429
 Ion Ratio Lower Upper
 61 100
 96 56.9 51.8 77.8
 98 34.3 32.5 48.7

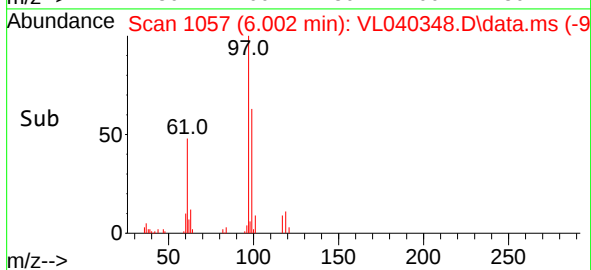
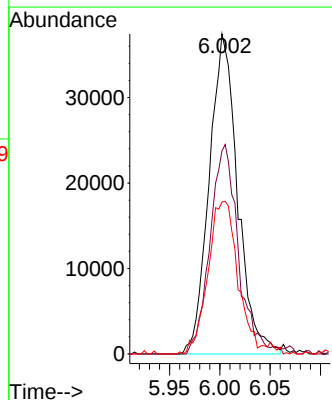
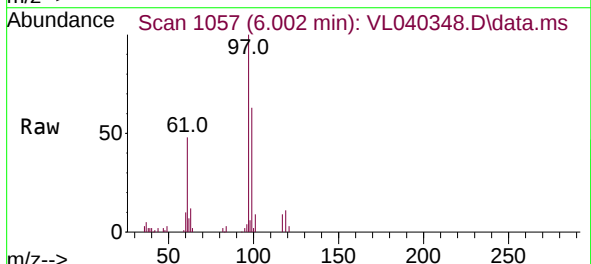
Manual Integrations
 APPROVED

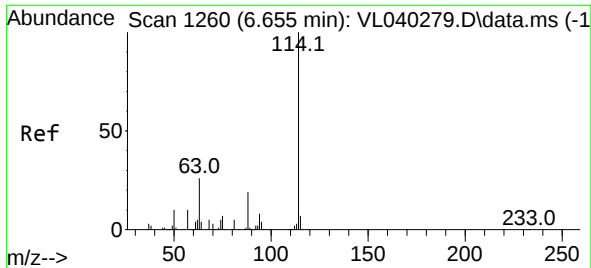
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.497 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.003 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

Tgt Ion: 97 Resp: 73550
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.2 78.2
 61 51.6 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion:114 Resp: 244444

Ion Ratio Lower Upper

114 100

63 26.7 21.2 31.8

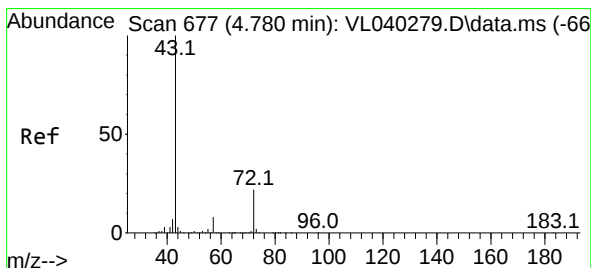
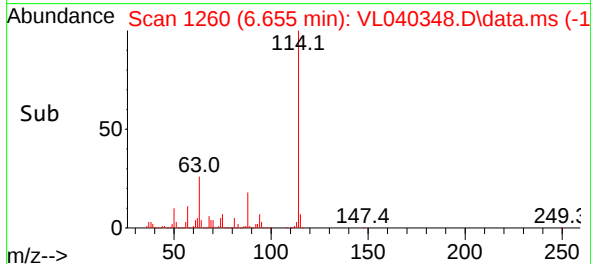
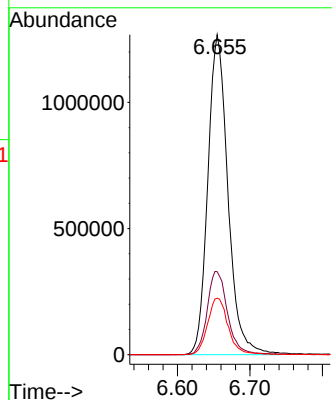
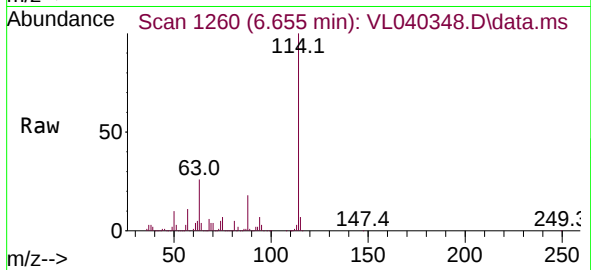
88 18.2 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#34

2-Butanone

Concen: 0.508 ppbv m

RT: 4.800 min Scan# 683

Delta R.T. 0.020 min

Lab File: VL040348.D

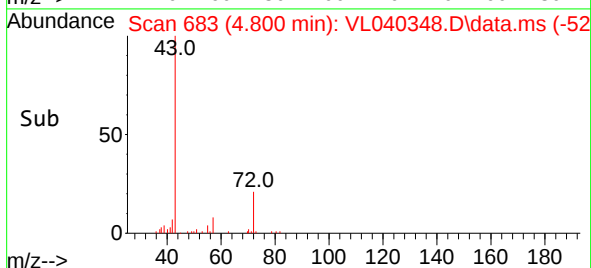
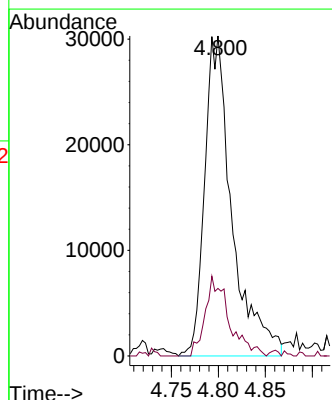
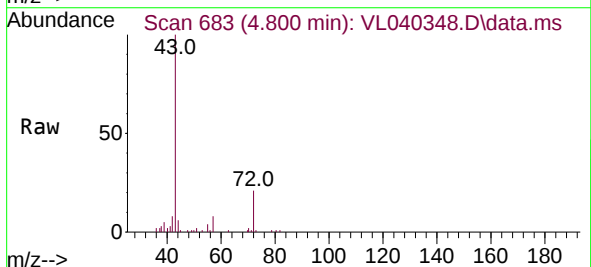
Acq: 12 Apr 2023 22:43

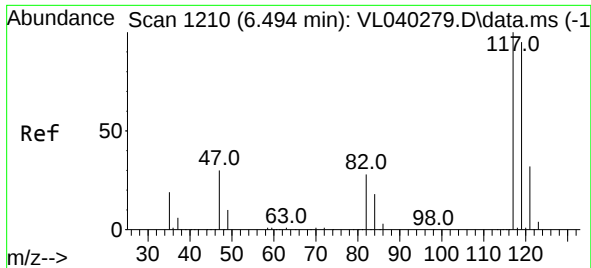
Tgt Ion: 43 Resp: 61276

Ion Ratio Lower Upper

43 100

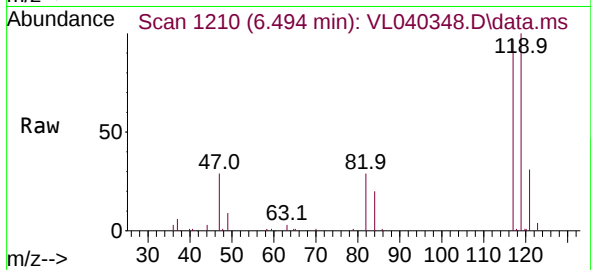
72 22.2 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.466 ppbv m
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

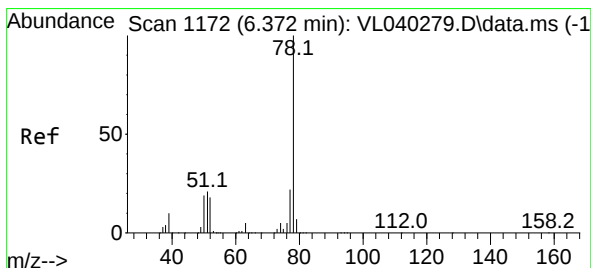
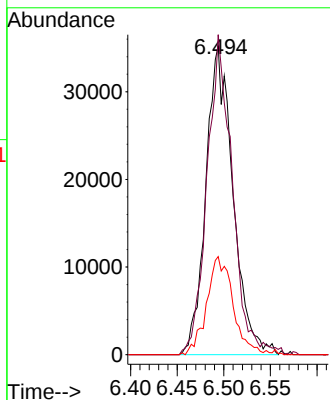
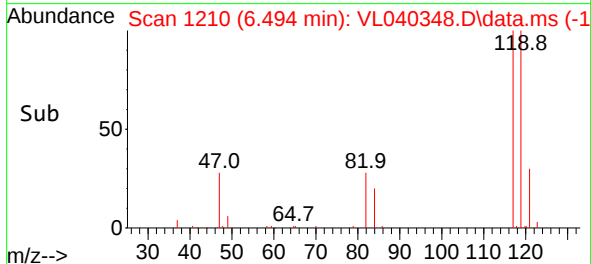
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 117 Resp: 7143
Ion Ratio Lower Upper
117 100
119 103.6 76.4 114.6
121 31.8 25.6 38.4

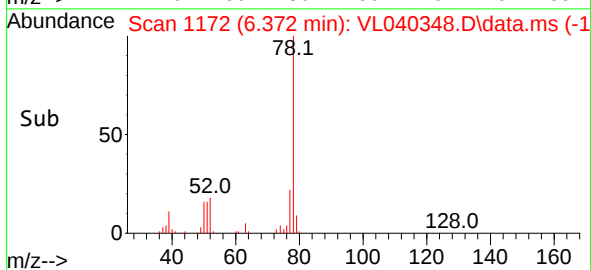
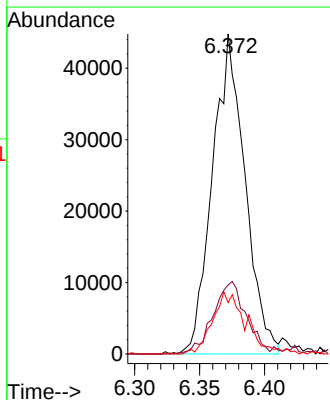
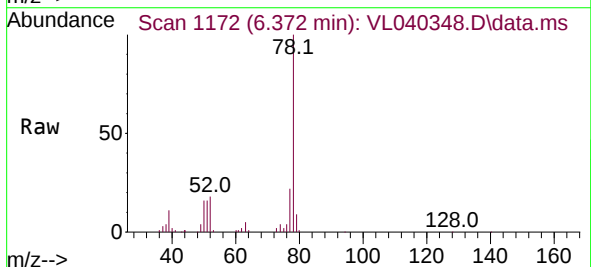
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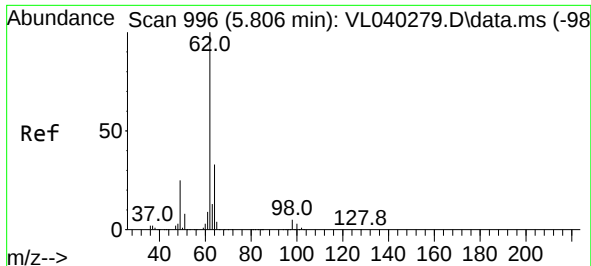
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#36
Benzene
Concen: 0.419 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion: 78 Resp: 78050
Ion Ratio Lower Upper
78 100
77 21.2 17.8 26.8
50 15.2 15.4 23.2#





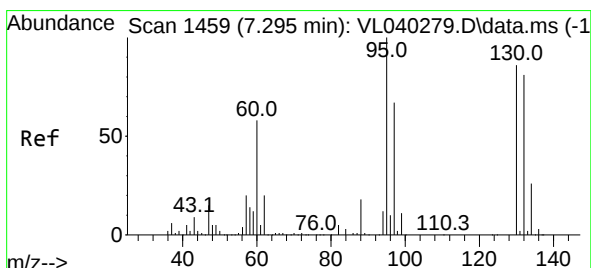
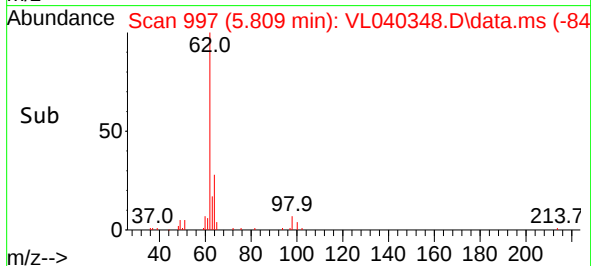
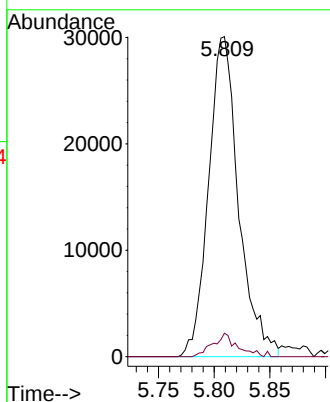
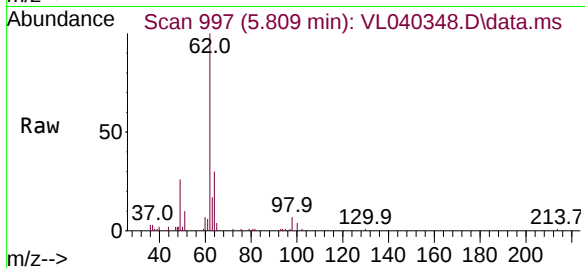
#37
1,2-Dichloroethane
Concen: 0.466 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 62 Resp: 56492
Ion Ratio Lower Upper
62 100
98 6.0 4.3 6.5

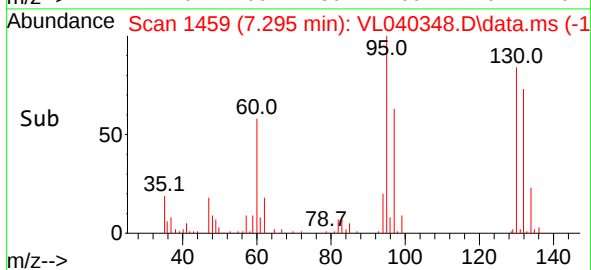
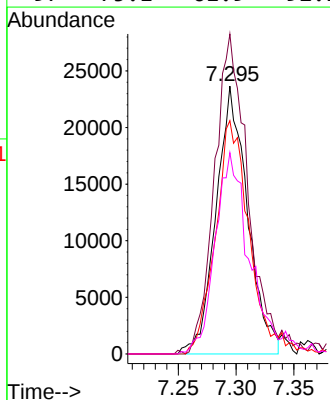
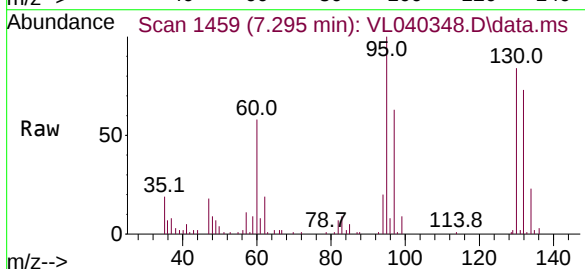
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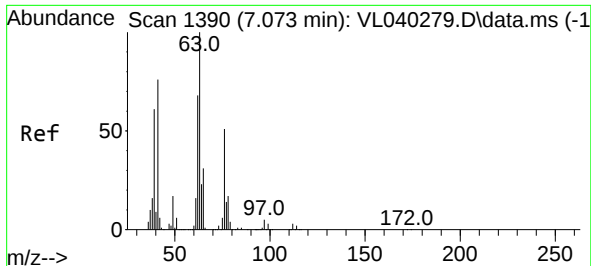
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#38
Trichloroethene
Concen: 0.442 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion:130 Resp: 44979
Ion Ratio Lower Upper
130 100
95 118.1 93.0 139.4
132 87.1 75.3 112.9
97 75.1 61.9 92.9





#39

1,2-Dichloropropane

Concen: 0.445 ppbv

RT: 7.079 min Scan# 1390

Delta R.T. 0.006 min

Lab File: VL040348.D

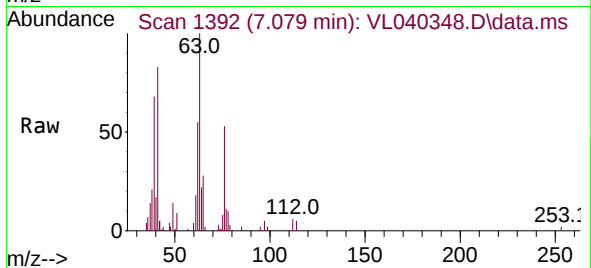
Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

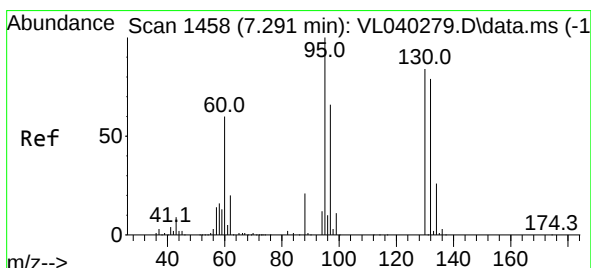
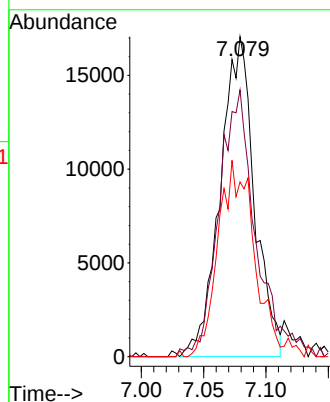
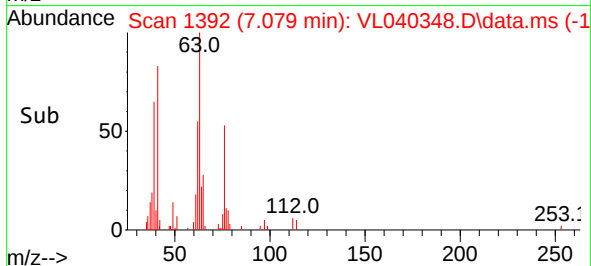


Tgt Ion:	63	Resp:	3253
Ion Ratio	100	Lower	Upper
63	100		
41	80.9	60.8	91.2
62	52.8	54.1	81.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#40

1,4-Dioxane

Concen: 0.395 ppbv m

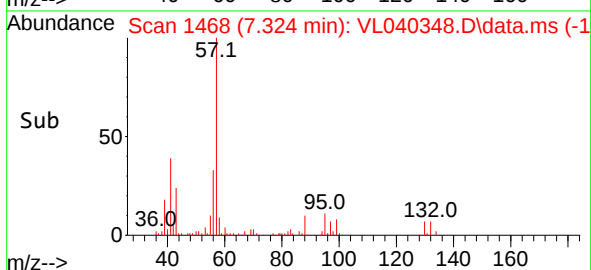
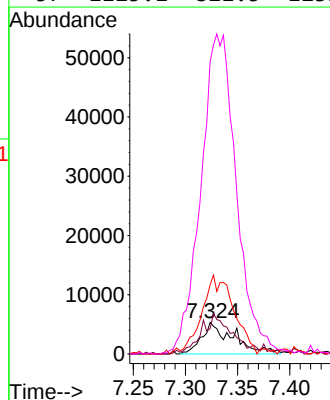
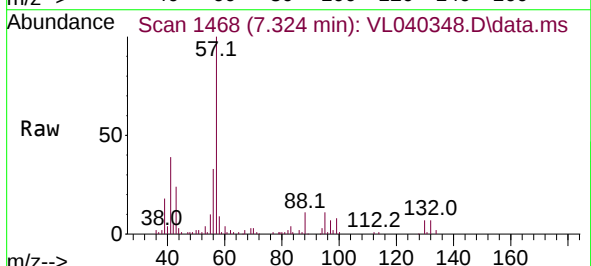
RT: 7.324 min Scan# 1468

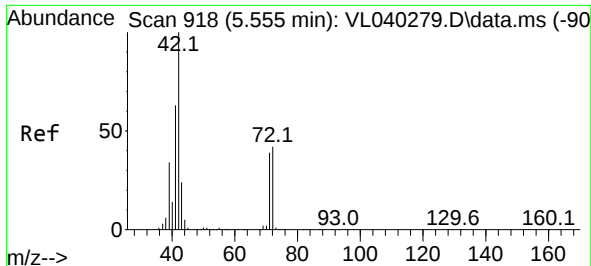
Delta R.T. 0.033 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

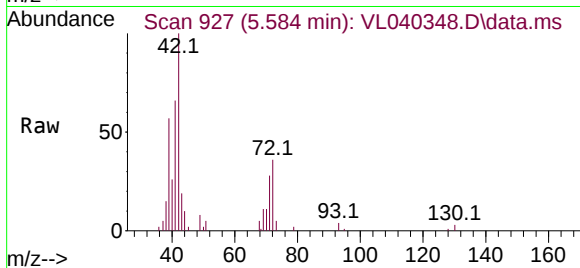
Tgt Ion:	88	Resp:	11415
Ion Ratio	100	Lower	Upper
88	100		
58	132.9	96.0	144.0
43	257.9	187.6	281.4
57	1125.1	821.5	1232.3





#41
Tetrahydrofuran
Concen: 0.372 ppbv m
RT: 5.584 min Scan# 918
Delta R.T. 0.029 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

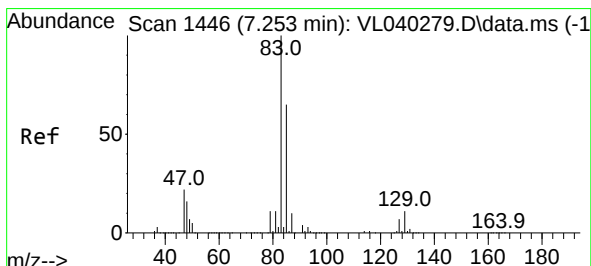
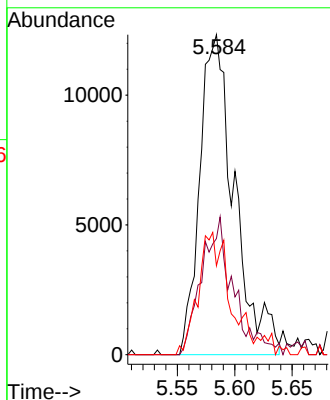
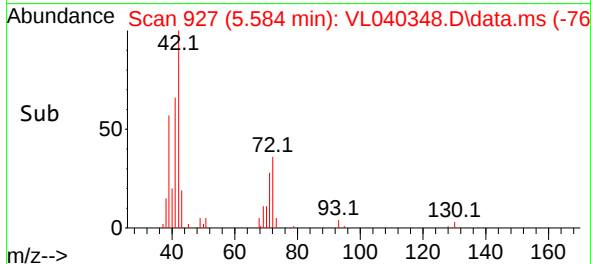
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 42 Resp: 25874
Ion Ratio Lower Upper
42 100
72 39.6 32.6 49.0
71 37.5 31.0 46.4

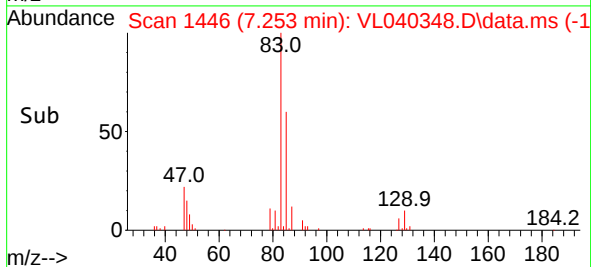
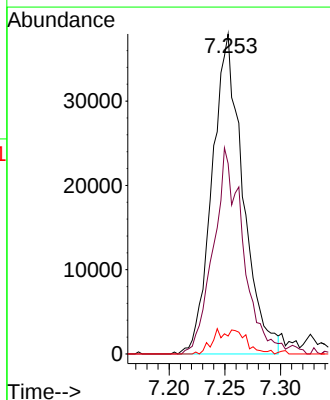
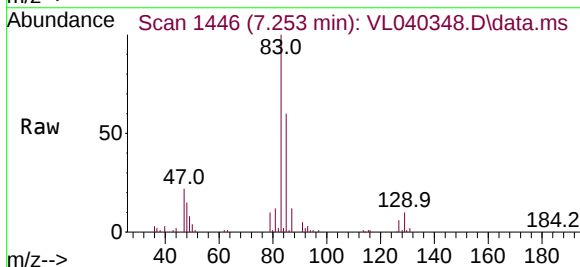
Manual Integrations
APPROVED

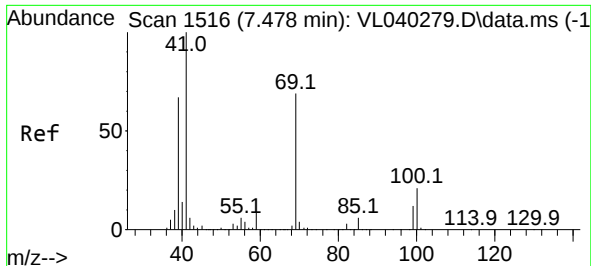
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#42
Bromodichloromethane
Concen: 0.441 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

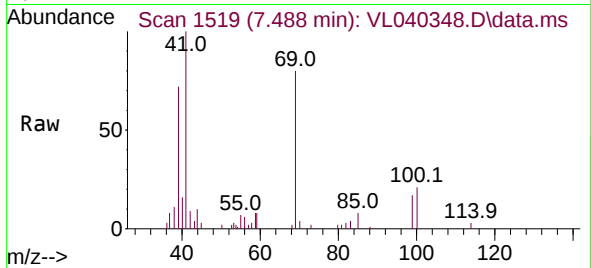
Tgt Ion: 83 Resp: 72990
Ion Ratio Lower Upper
83 100
85 59.5 52.1 78.1
127 5.6 5.8 8.6#





#43
Methyl Methacrylate
Concen: 0.349 ppbv m
RT: 7.488 min Scan# 1516
Delta R.T. 0.010 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

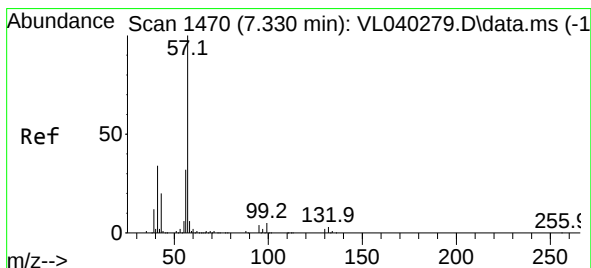
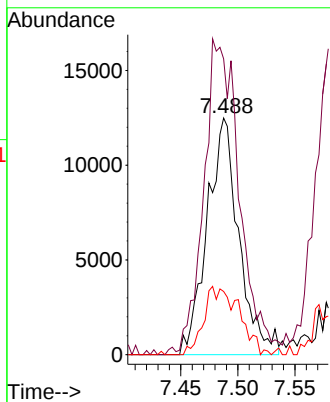
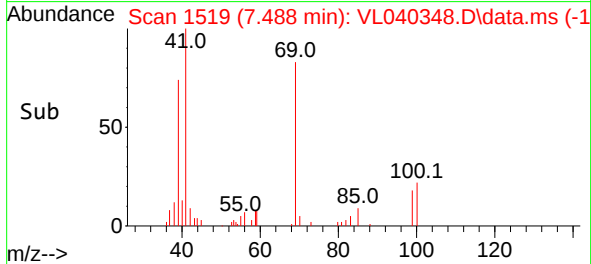
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2023



Tgt Ion: 69 Resp: 2418
Ion Ratio Lower Upper
69 100
41 150.7 116.9 175.3
100 32.5 24.2 36.4

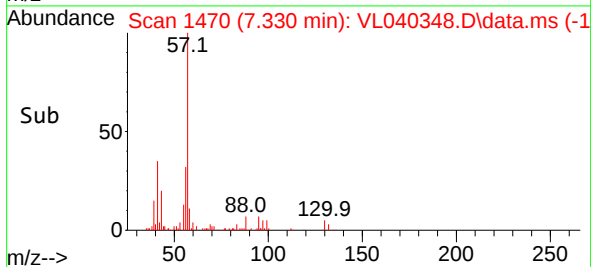
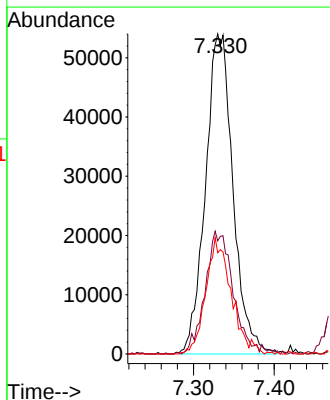
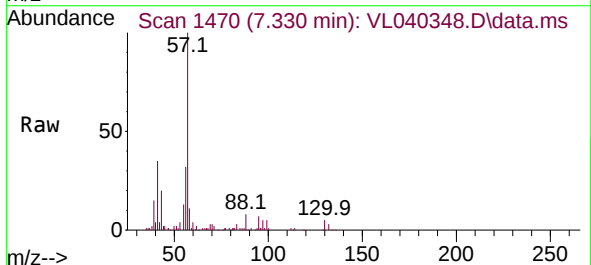
Manual Integrations
APPROVED

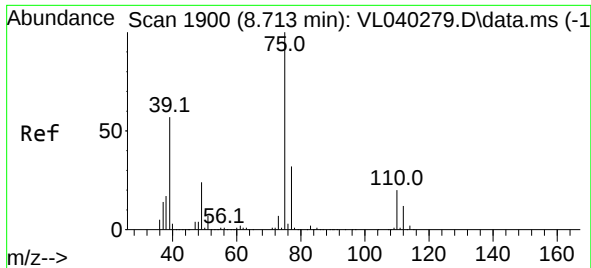
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#44
2,2,4-Trimethylpentane
Concen: 0.412 ppbv m
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

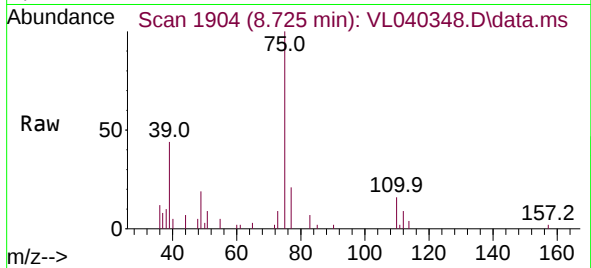
Tgt Ion: 57 Resp: 128076
Ion Ratio Lower Upper
57 100
41 39.3 26.8 40.2
56 33.6 25.0 37.6





#45
 t-1,3-Dichloropropene
 Concen: 0.326 ppbv m
 RT: 8.725 min Scan# 1900
 Delta R.T. 0.012 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

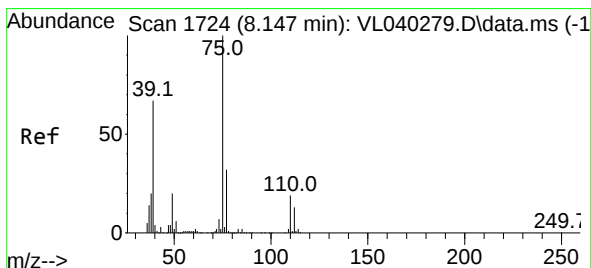
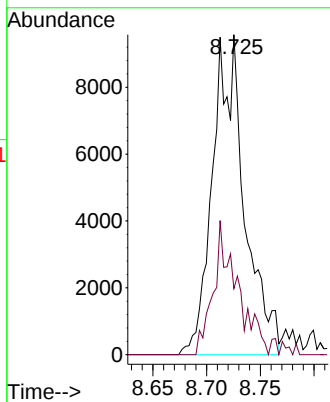
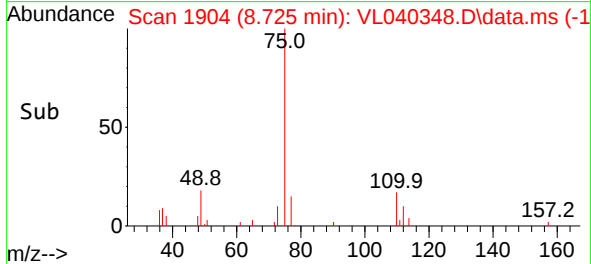
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



Tgt Ion: 75 Resp: 1970
 Ion Ratio Lower Upper
 75 100
 77 20.6 25.4 38.0

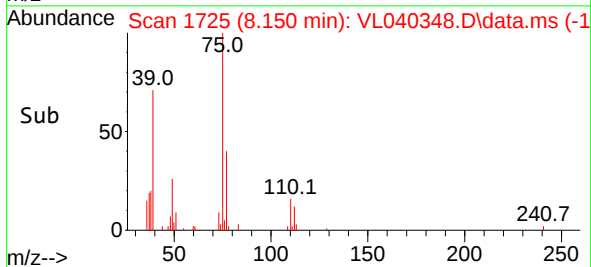
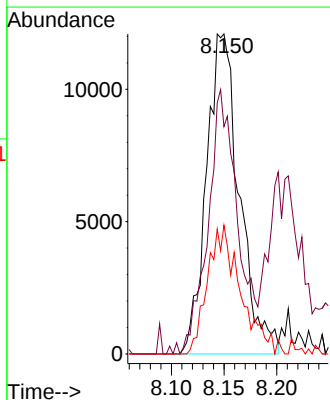
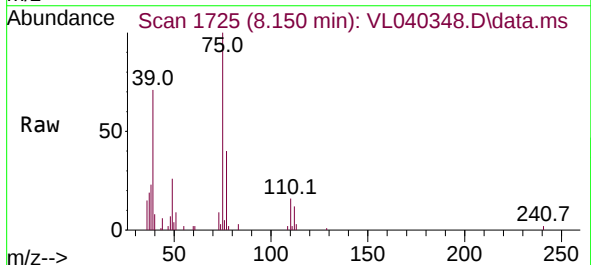
Manual Integrations
 APPROVED

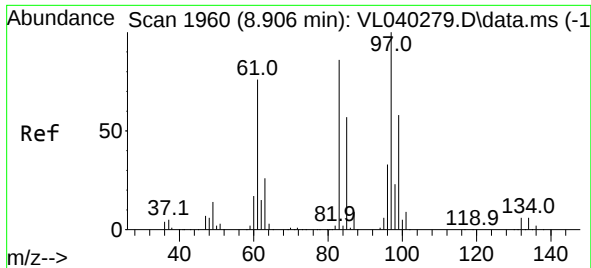
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.307 ppbv m
 RT: 8.150 min Scan# 1725
 Delta R.T. 0.003 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

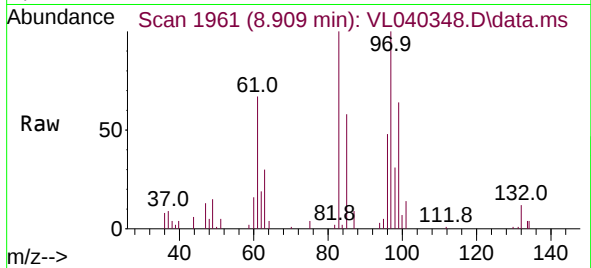
Tgt Ion: 75 Resp: 26343
 Ion Ratio Lower Upper
 75 100
 39 71.0 53.9 80.9
 77 40.2 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 0.460 ppbv m
RT: 8.909 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

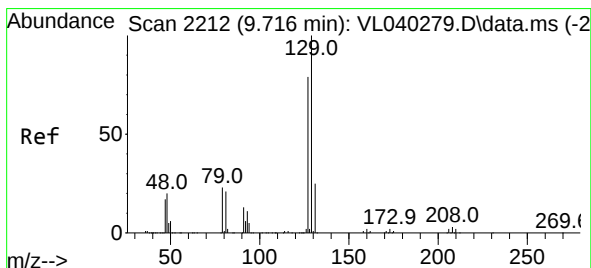
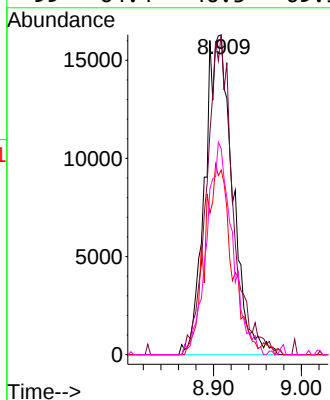
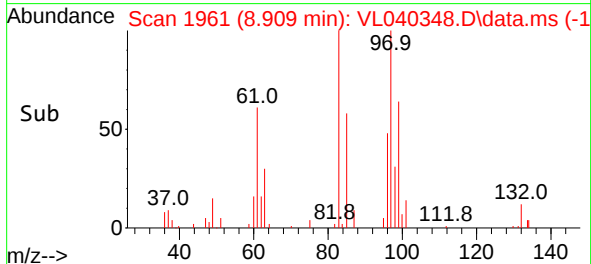
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	100.1	68.6	103.0
85	57.7	46.0	69.0
99	64.4	46.3	69.5

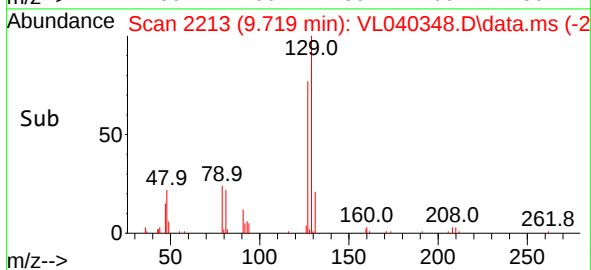
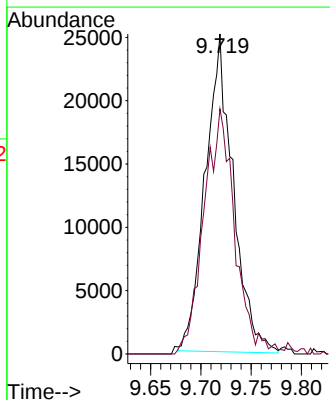
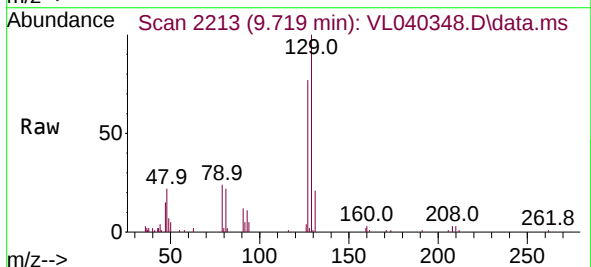
Manual Integrations
APPROVED

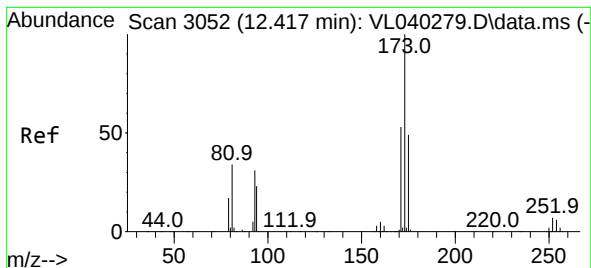
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#48
Dibromochloromethane
Concen: 0.376 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	86.7	39.1	117.5





#49

Bromoform

Concen: 0.372 ppbv m

RT: 12.420 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

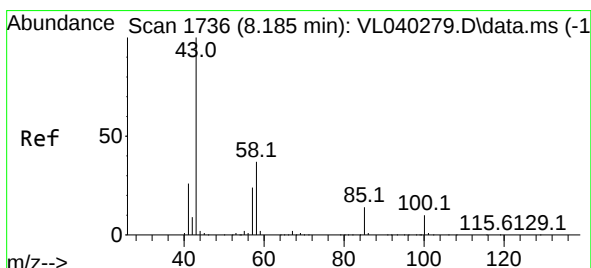
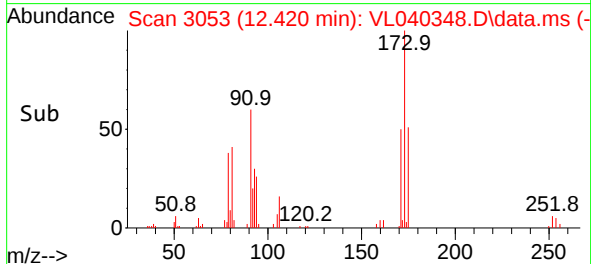
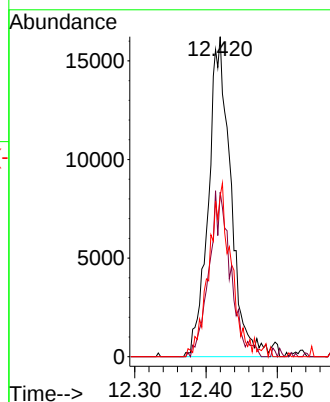
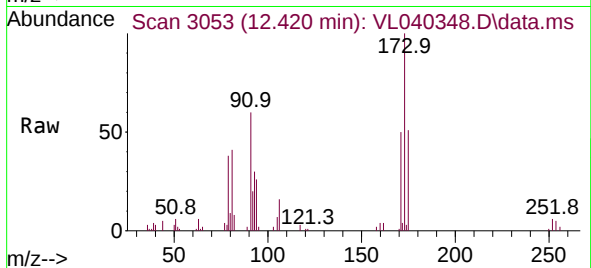
MDL-AIR-03-QT2-2023

Tgt Ion:	173	Resp:	35824
Ion Ratio	Lower	Upper	
173	100		
175	49.5	39.8	59.8
171	0.0	42.2	63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#50

4-Methyl-2-Pentanone

Concen: 0.399 ppbv m

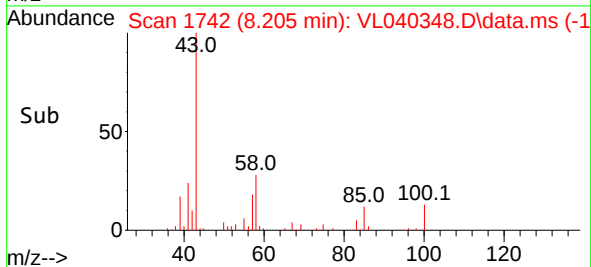
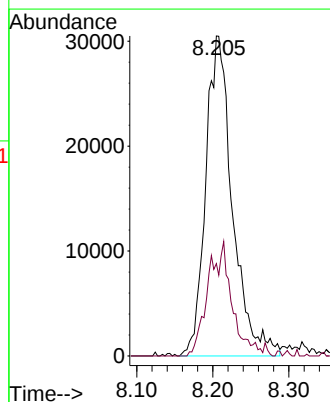
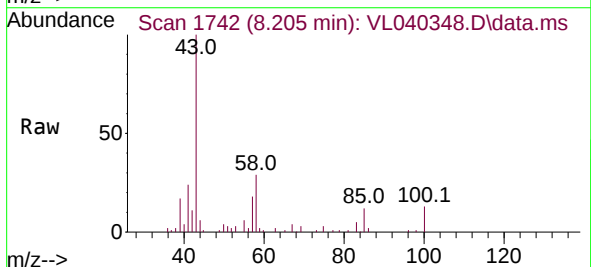
RT: 8.205 min Scan# 1742

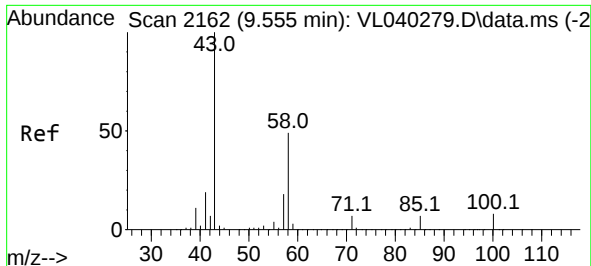
Delta R.T. 0.020 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

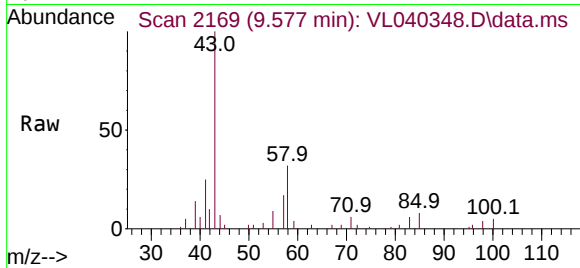
Tgt Ion:	43	Resp:	74557
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.2	43.8





#51
2-Hexanone
Concen: 0.315 ppbv m
RT: 9.577 min Scan# 2162
Delta R.T. 0.022 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

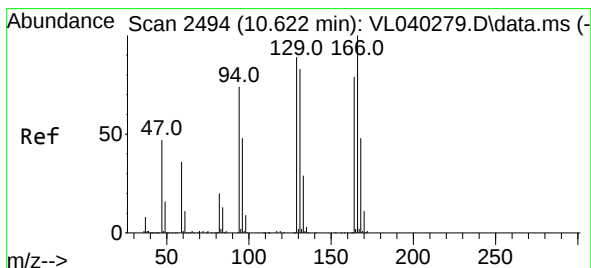
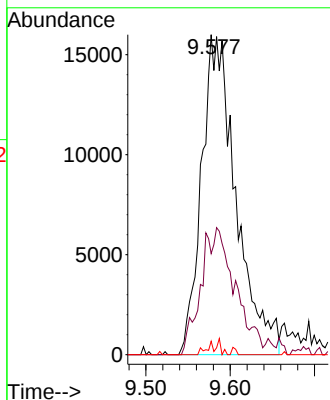
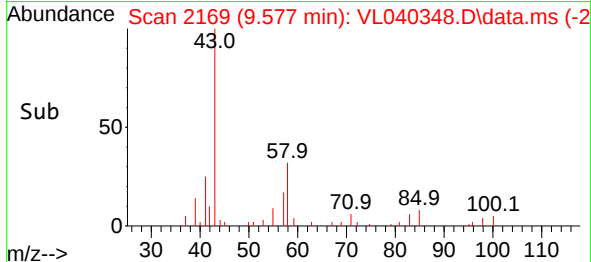
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion: 43 Resp: 4549
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0
98 0.1 0.5 0.7

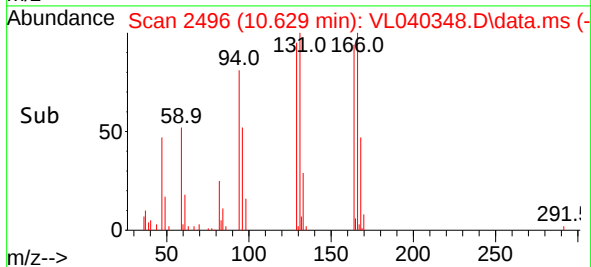
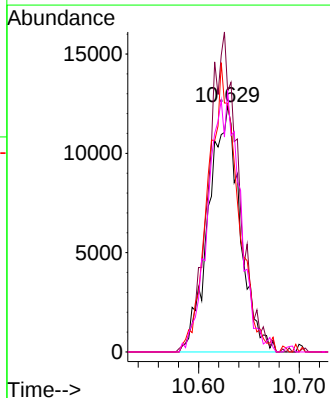
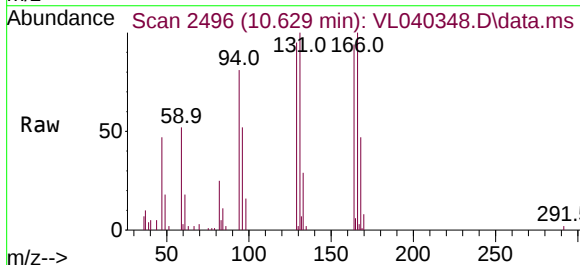
Manual Integrations
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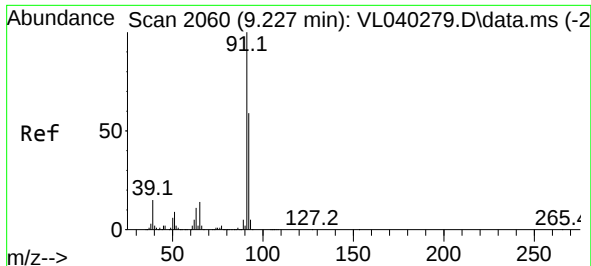
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#52
Tetrachloroethene
Concen: 0.477 ppbv m
RT: 10.629 min Scan# 2496
Delta R.T. 0.007 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

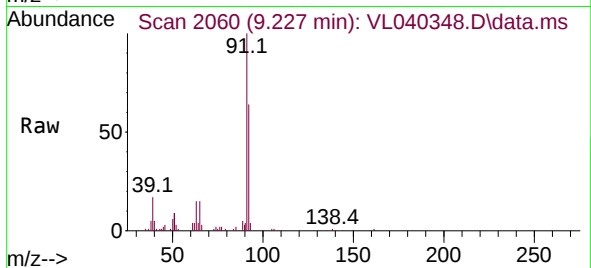
Tgt Ion:164 Resp: 26884
Ion Ratio Lower Upper
164 100
166 106.3 101.8 152.6
129 101.3 90.2 135.2
131 106.5 84.7 127.1





#53
Toluene
Concen: 0.330 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

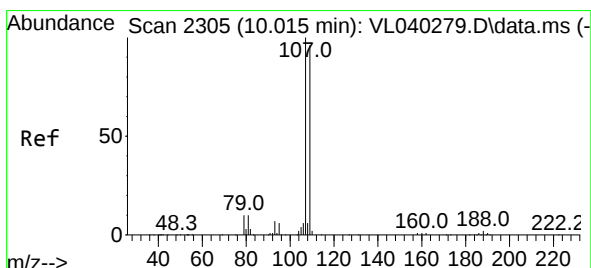
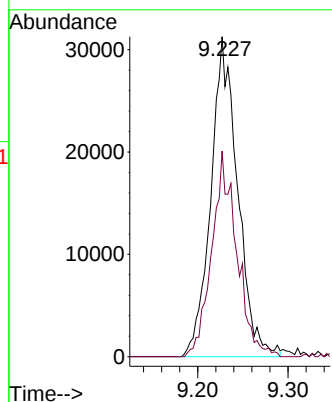
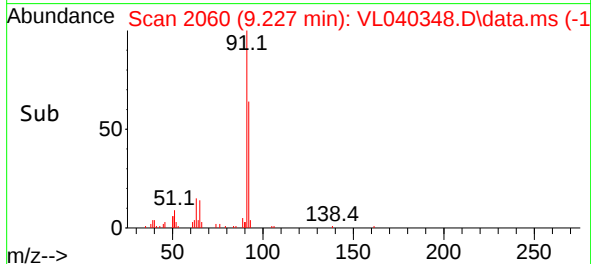
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



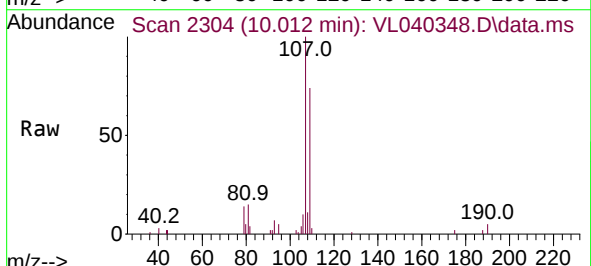
Tgt Ion: 91 Resp: 64415
Ion Ratio Lower Upper
91 100
92 59.8 48.0 72.0

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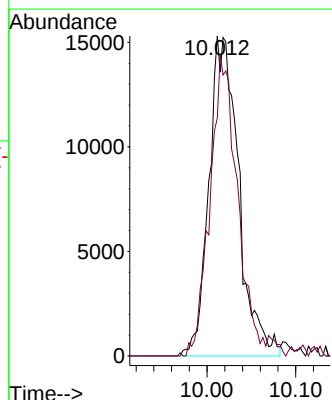
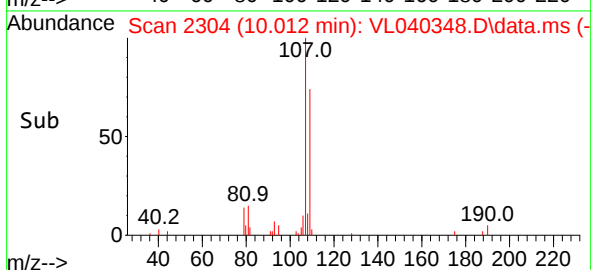
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

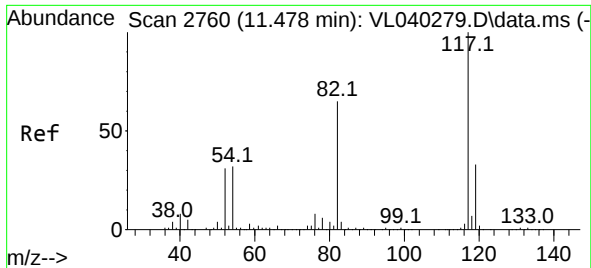


#54
1,2-Dibromoethane
Concen: 0.444 ppbv m
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



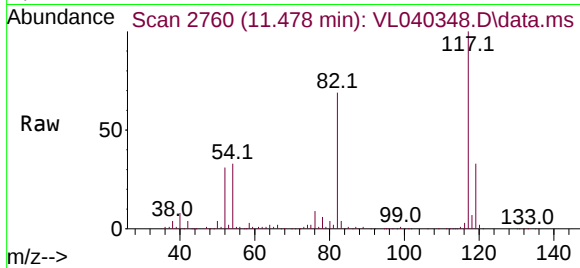
Tgt Ion:107 Resp: 35665
Ion Ratio Lower Upper
107 100
109 74.4 77.0 115.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2172544
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

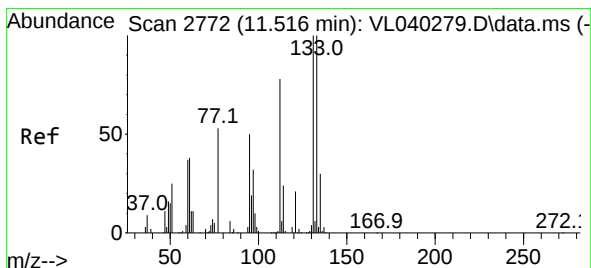
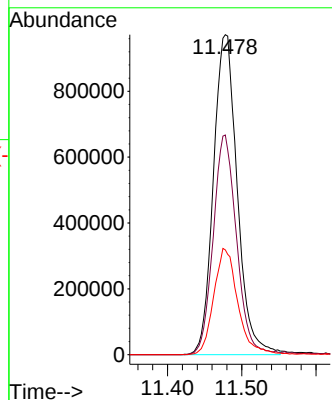
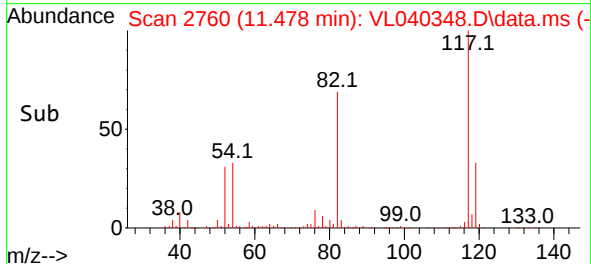
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



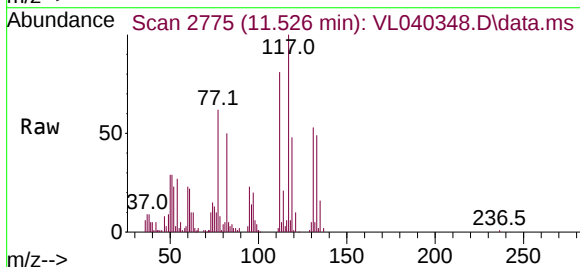
Tgt Ion:117 Resp: 2172544
Ion Ratio Lower Upper
117 100
82 68.1 51.4 77.2
119 33.4 24.0 36.0

Manual Integrations
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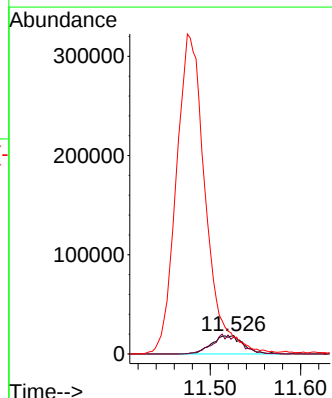
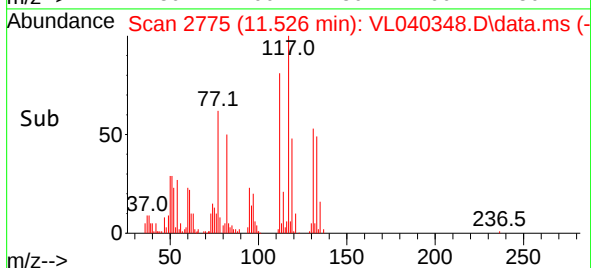
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

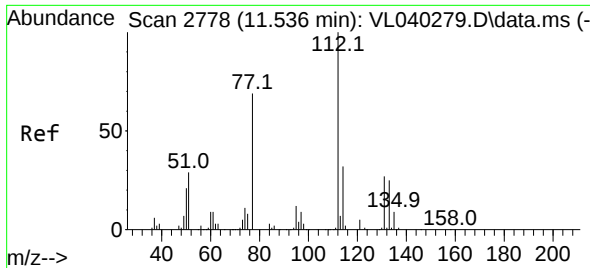


#56
1,1,1,2-Tetrachloroethane
Concen: 0.488 ppbv m
RT: 11.526 min Scan# 2775
Delta R.T. 0.010 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



Tgt Ion:131 Resp: 44626
Ion Ratio Lower Upper
131 100
133 0.0 76.5 114.7#
119 0.0 47.9 71.9#





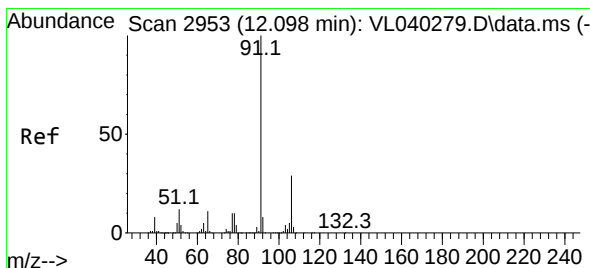
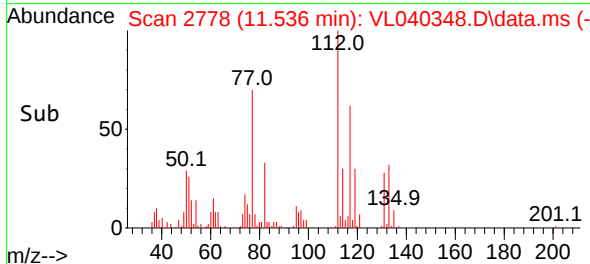
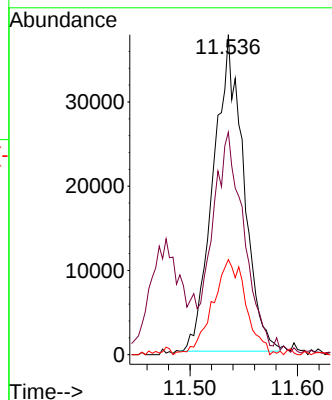
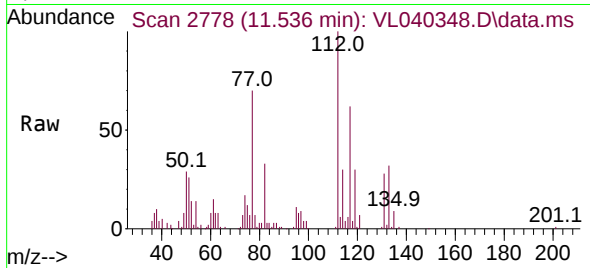
#57
Chlorobenzene
Concen: 0.475 ppbv
RT: 11.536 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 112 Resp: 7344
Ion Ratio Lower Upper
112 100
77 68.8 56.2 84.2
114 29.2 29.0 35.4

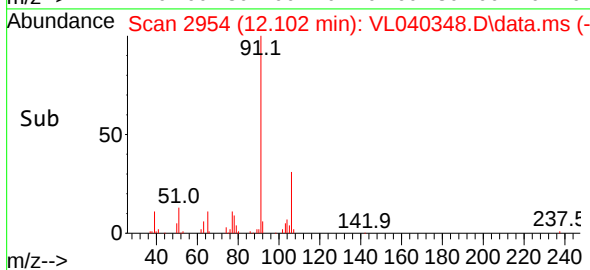
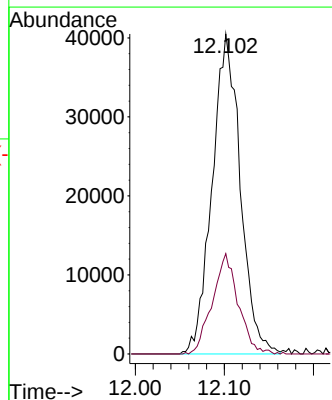
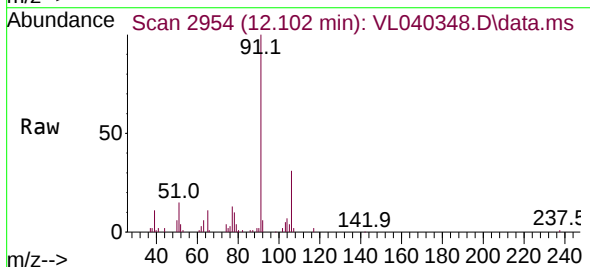
Manual Integrations
APPROVED

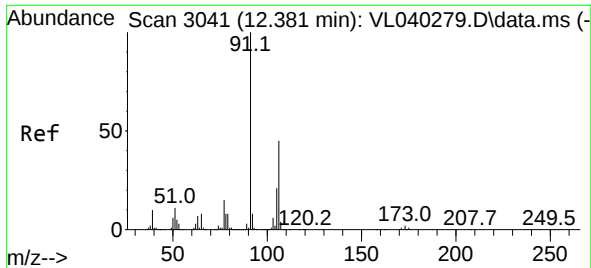
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#58
Ethyl Benzene
Concen: 0.360 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Tgt Ion: 91 Resp: 88988
Ion Ratio Lower Upper
91 100
106 31.4 23.4 35.2





#59

m/p-Xylene

Concen: 0.783 ppbv m

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

Tgt Ion: 91 Resp: 17750

Ion Ratio Lower Upper

91 100

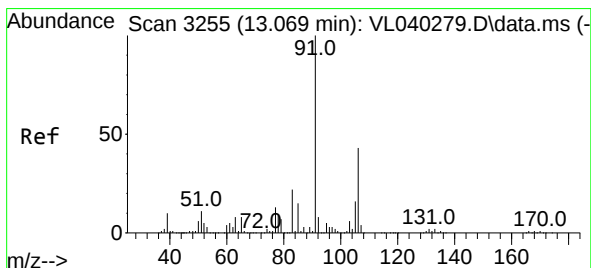
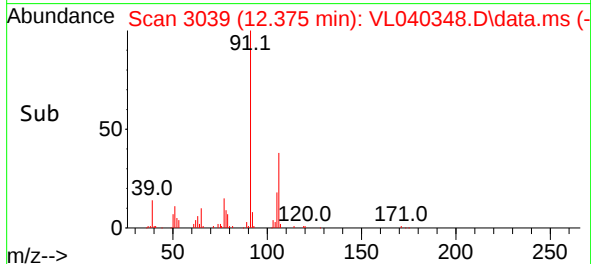
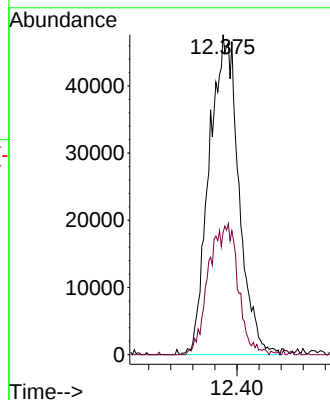
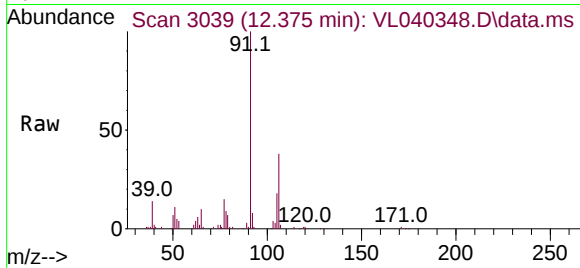
106 40.9 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#60

o-Xylene

Concen: 0.382 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.004 min

Lab File: VL040348.D

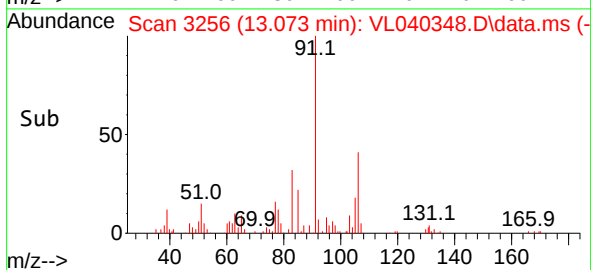
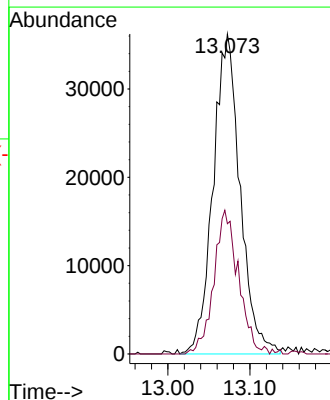
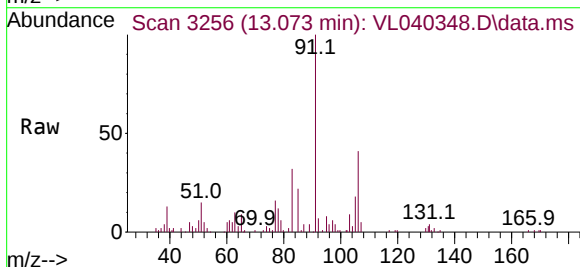
Acq: 12 Apr 2023 22:43

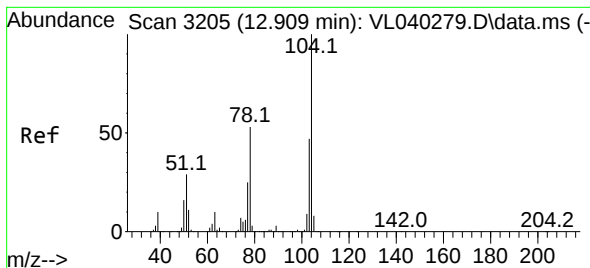
Tgt Ion: 91 Resp: 82664

Ion Ratio Lower Upper

91 100

106 41.8 21.7 65.1





#61

Styrene

Concen: 0.297 ppbv m

RT: 12.915 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

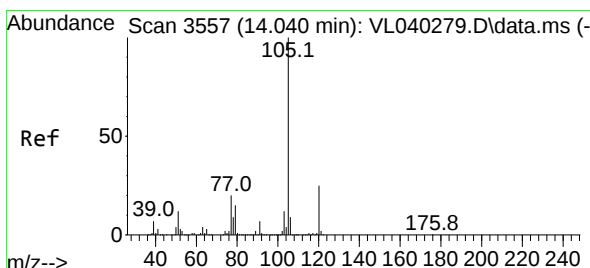
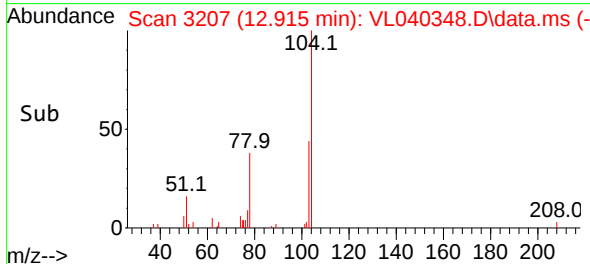
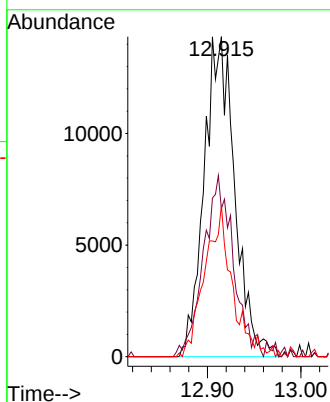
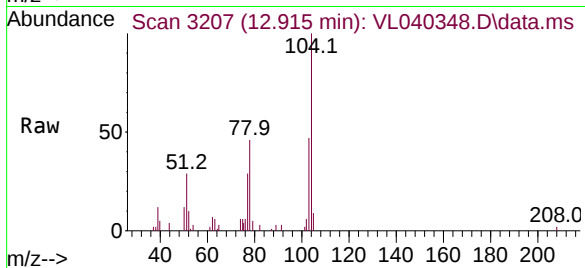
MDL-AIR-03-QT2-2023

Tgt Ion:104 Resp: 3266
 Ion Ratio Lower Upper
 104 100
 78 0.0 43.7 65.5
 103 0.0 37.4 56.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023



#62

Isopropylbenzene

Concen: 0.416 ppbv

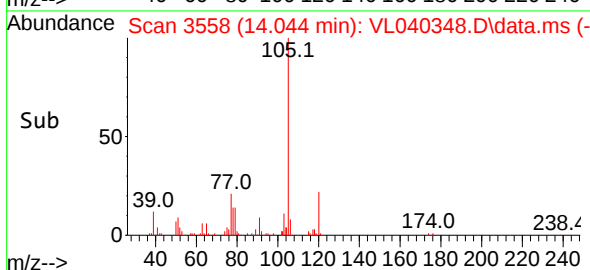
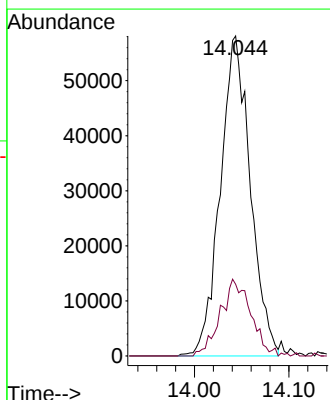
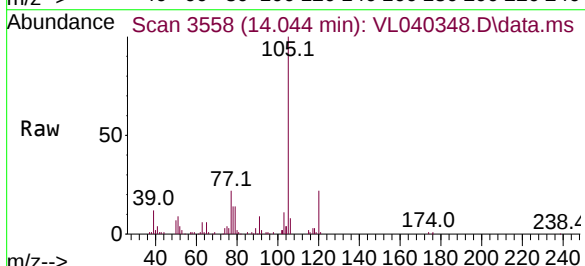
RT: 14.044 min Scan# 3558

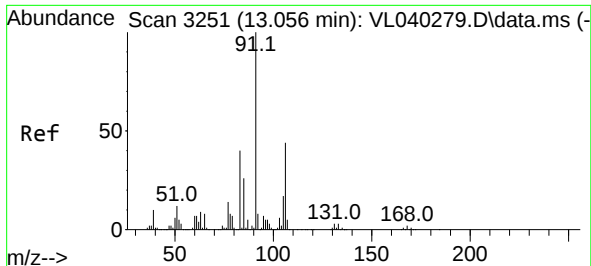
Delta R.T. 0.004 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Tgt Ion:105 Resp: 128307
 Ion Ratio Lower Upper
 105 100
 120 24.2 19.9 29.9





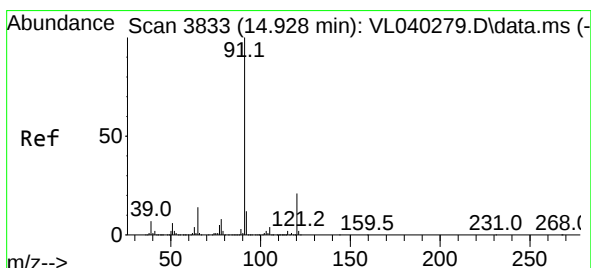
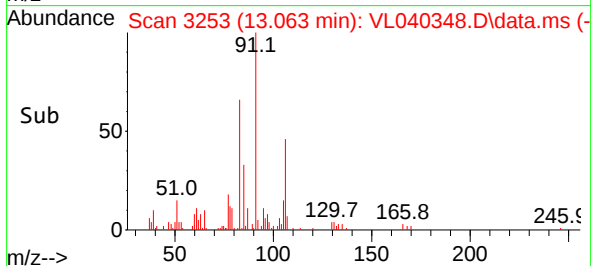
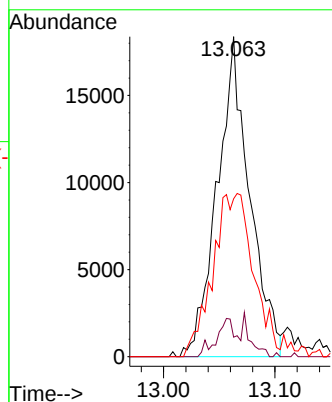
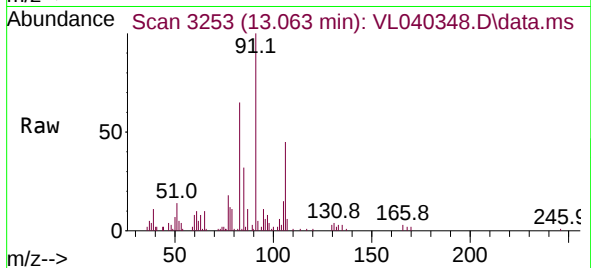
#63
1,1,2,2-Tetrachloroethane
Concen: 0.487 ppbv
RT: 13.063 min Scan# 3110
Delta R.T. 0.007 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 83 Resp: 37110
Ion Ratio Lower Upper
83 100
131 10.5 4.3 12.9
85 67.7 32.7 98.1

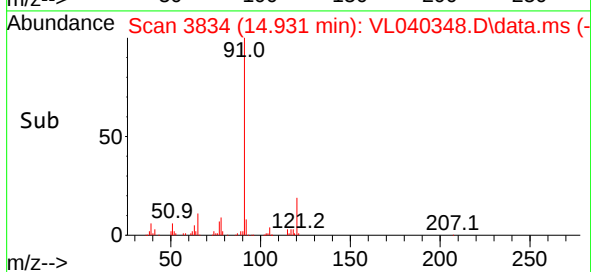
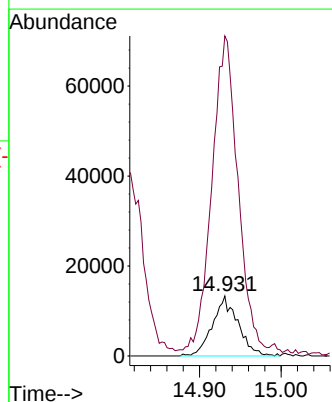
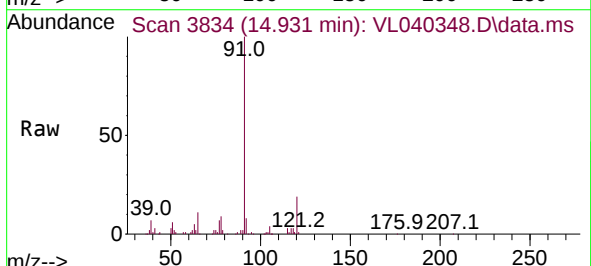
Manual Integrations
APPROVED

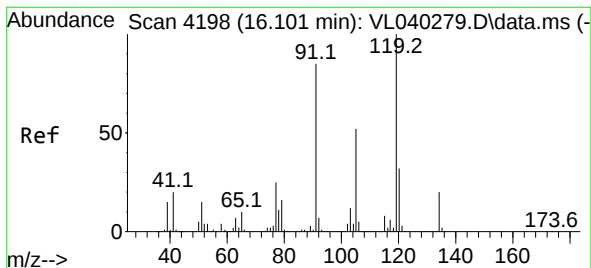
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#64
n-propylbenzene
Concen: 0.383 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

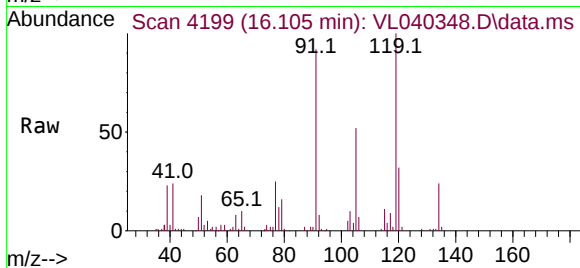
Tgt Ion:120 Resp: 28906
Ion Ratio Lower Upper
120 100
91 576.7 399.0 598.6





#65
tert-Butylbenzene
Concen: 0.412 ppbv m
RT: 16.105 min Scan# 4198
Delta R.T. 0.004 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

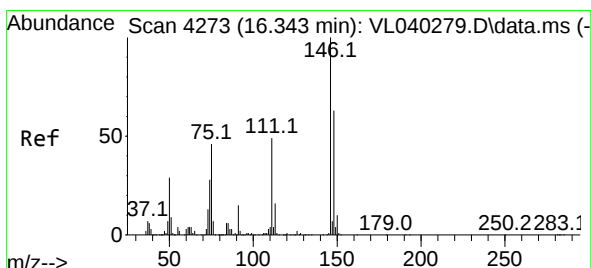
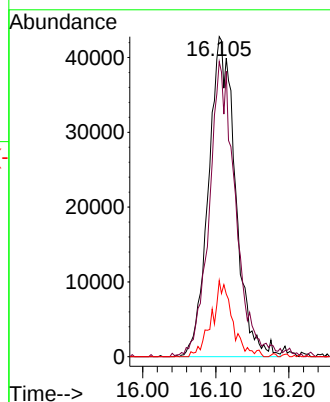
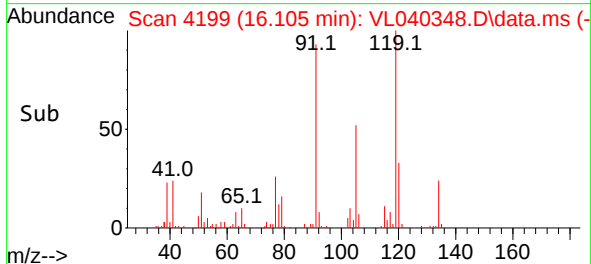
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



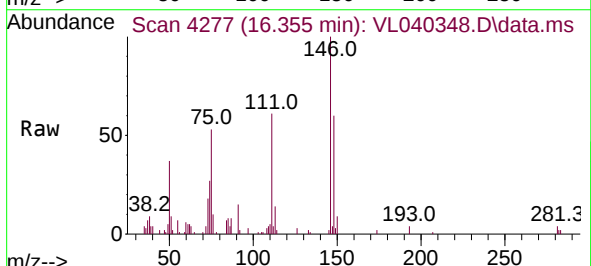
Tgt Ion: 119 Resp: 10944
Ion Ratio Lower Upper
119 100
91 91.3 69.4 104.2
134 18.6 15.8 23.6

Manual Integrations
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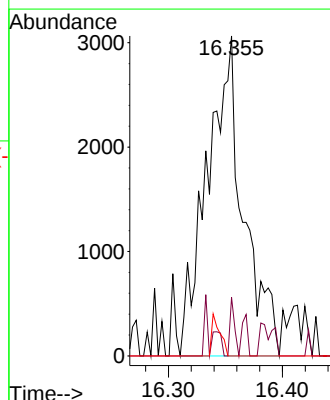
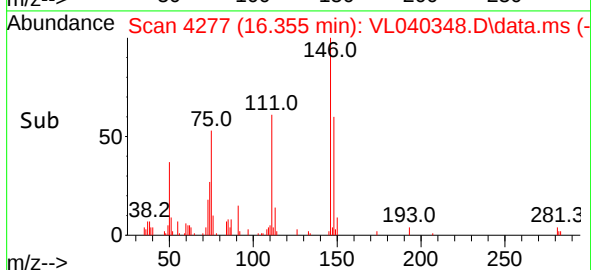
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

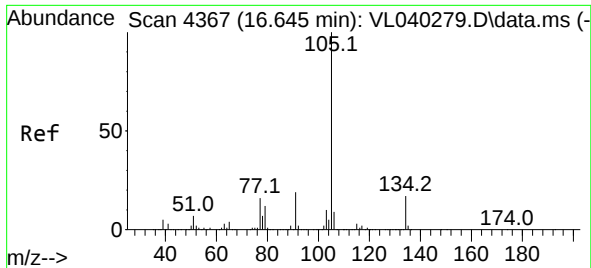


#66
Benzyl Chloride
Concen: 0.391 ppbv m
RT: 16.355 min Scan# 4277
Delta R.T. 0.012 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



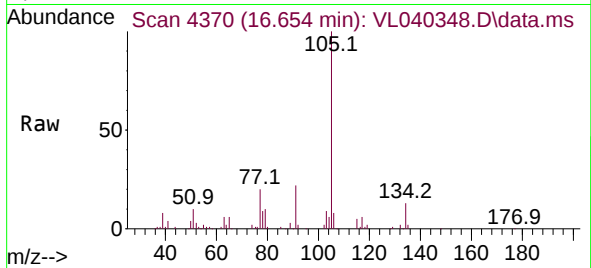
Tgt Ion: 91 Resp: 6760
Ion Ratio Lower Upper
91 100
126 7.9 12.1 18.1#
128 3.0 3.8 5.6#





#67
 sec-Butylbenzene
 Concen: 0.401 ppbv
 RT: 16.654 min Scan# 4367
 Delta R.T. 0.009 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

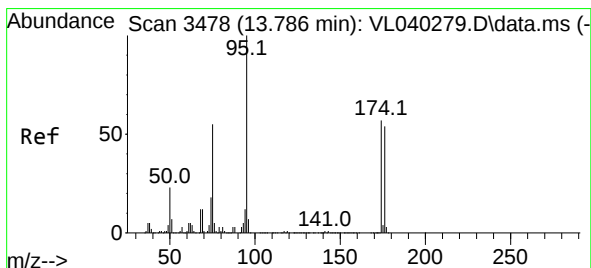
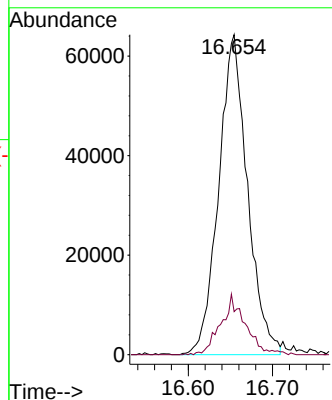
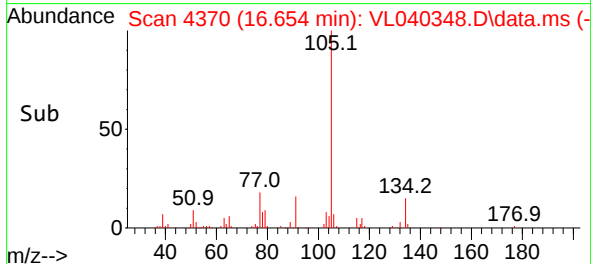
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



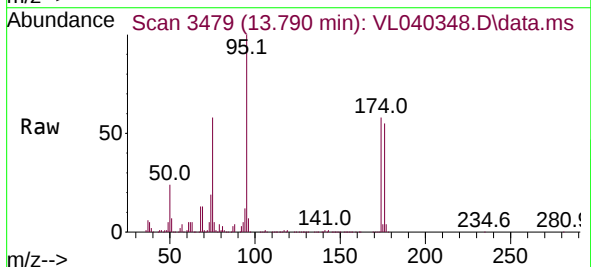
Tgt Ion:105 Resp: 15255
 Ion Ratio Lower Upper
 105 100
 134 16.2 14.0 21.0

Manual Integrations
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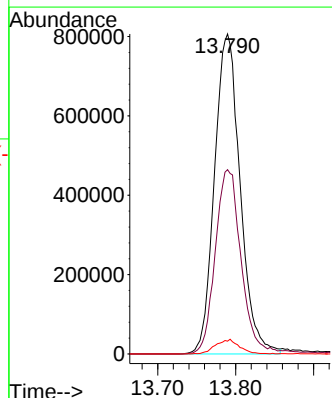
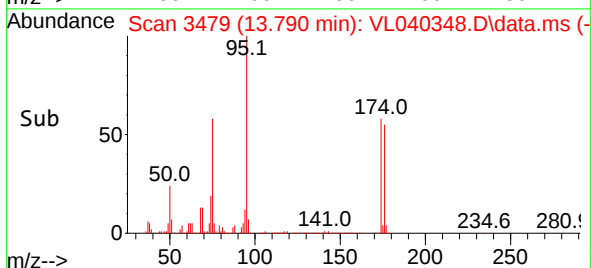
Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

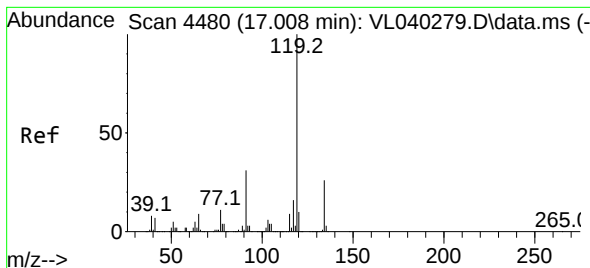


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.137 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.004 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43



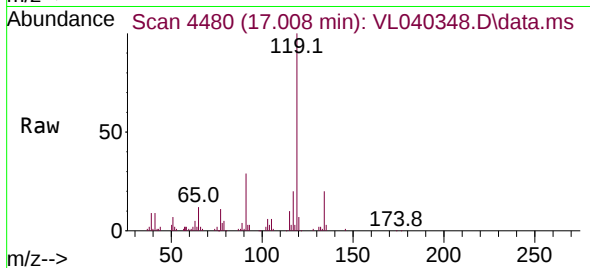
Tgt Ion: 95 Resp: 1844176
 Ion Ratio Lower Upper
 95 100
 174 59.5 47.0 70.6
 175 4.4 3.4 5.2





#69
p-Isopropyltoluene
Concen: 0.370 ppbv
RT: 17.008 min Scan# 4480
Delta R.T. 0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

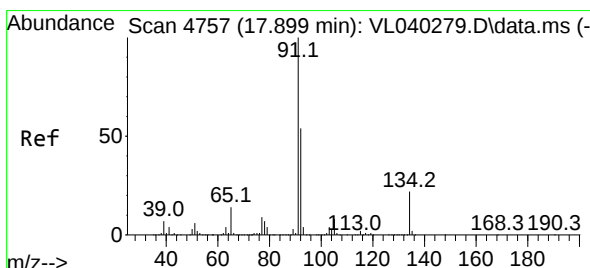
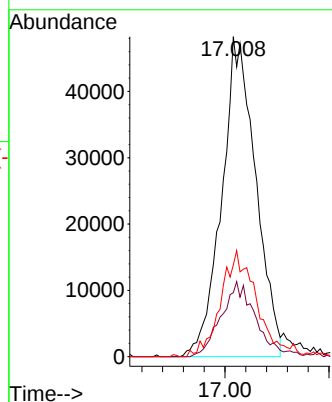
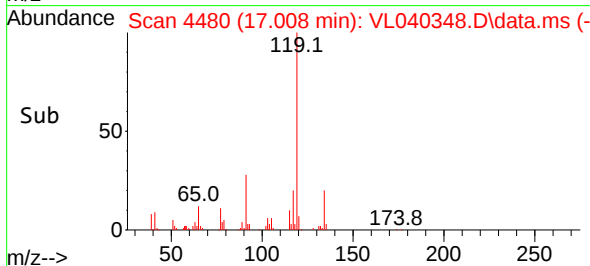
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



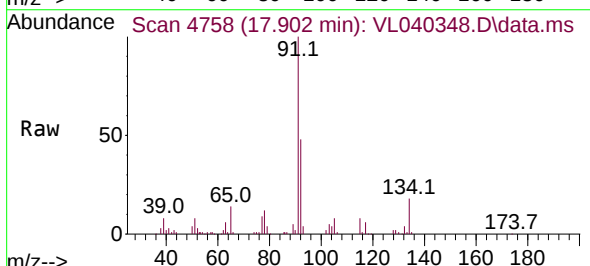
Tgt Ion: 119 Resp: 10953
Ion Ratio Lower Upper
119 100
134 24.2 20.2 30.2
91 35.7 25.1 37.7

Manual Integrations
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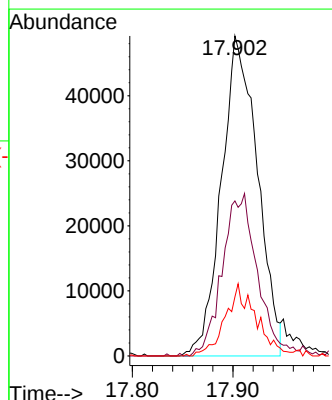
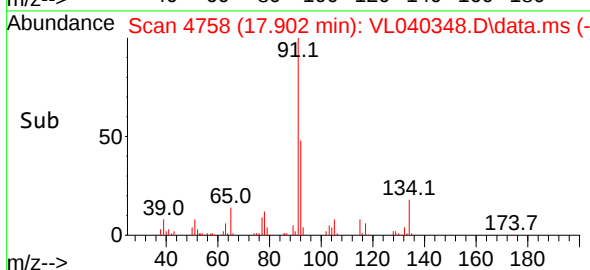
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

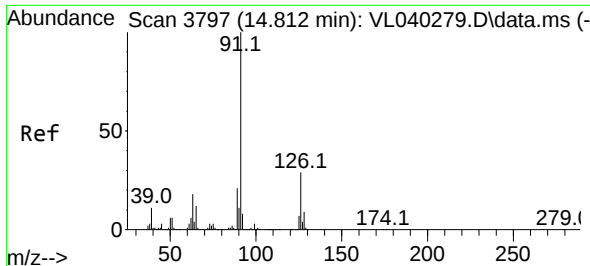


#70
n-Butylbenzene
Concen: 0.374 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



Tgt Ion: 91 Resp: 122030
Ion Ratio Lower Upper
91 100
92 50.6 42.9 64.3
134 19.8 16.8 25.2





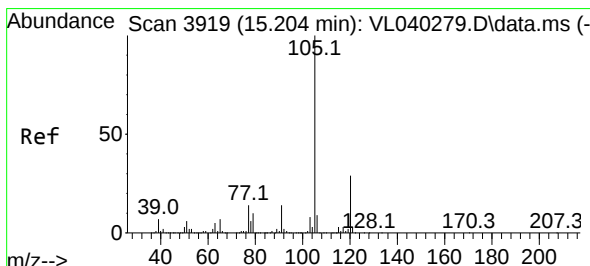
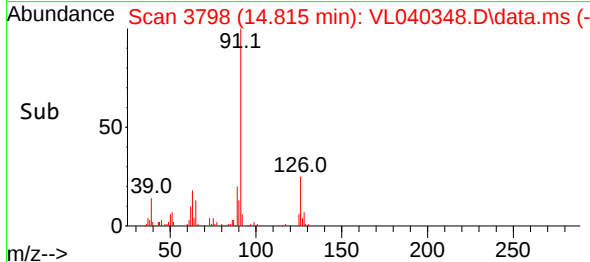
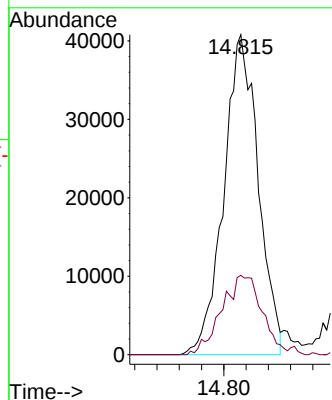
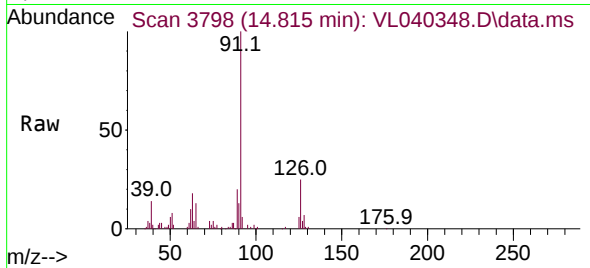
#71
2-Chlorotoluene
Concen: 0.373 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023

Tgt Ion: 91 Resp: 8766
Ion Ratio Lower Upper
91 100
126 29.6 11.8 47.4

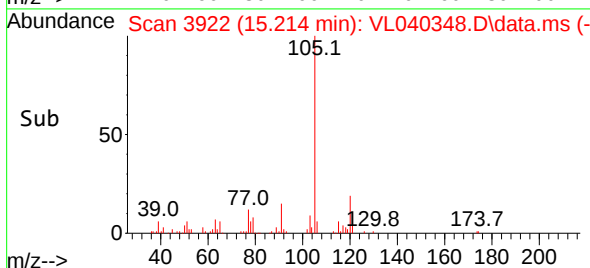
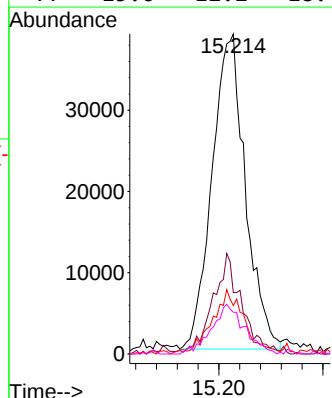
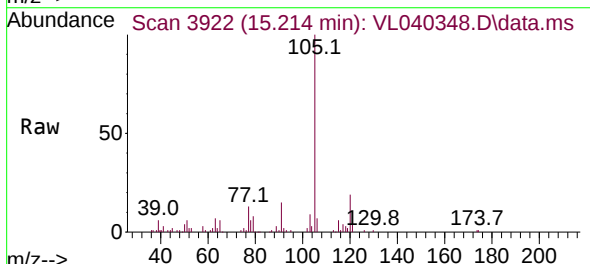
Manual Integrations
APPROVED

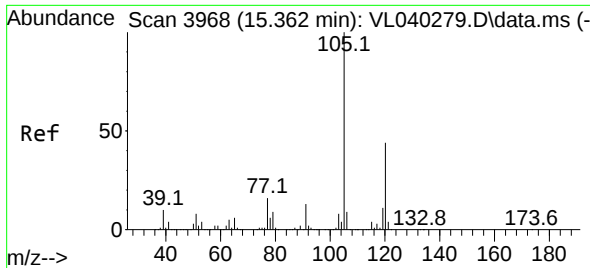
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#72
4-Ethyltoluene
Concen: 0.364 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.010 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

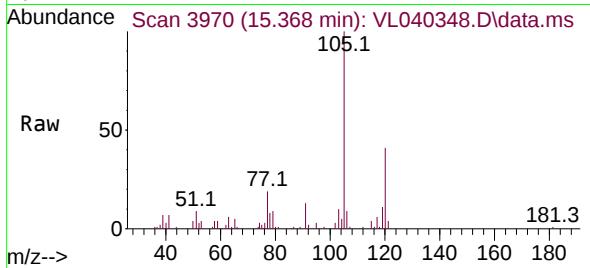
Tgt Ion:105 Resp: 86235
Ion Ratio Lower Upper
105 100
120 27.6 23.7 35.5
91 21.5 11.6 17.4#
77 15.6 12.2 18.4





#73
1,3,5-Trimethylbenzene
Concen: 0.373 ppbv
RT: 15.368 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

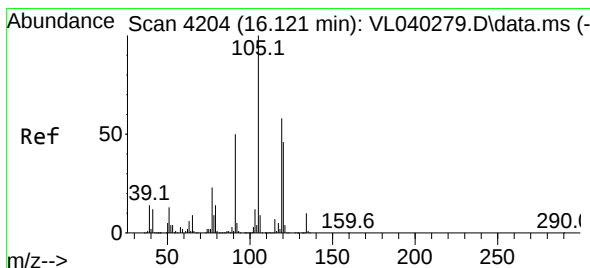
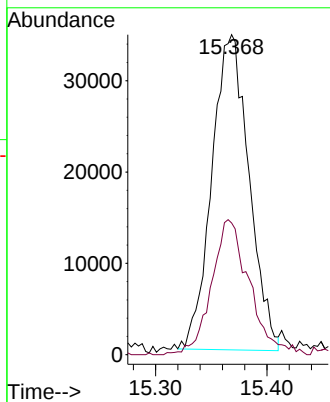
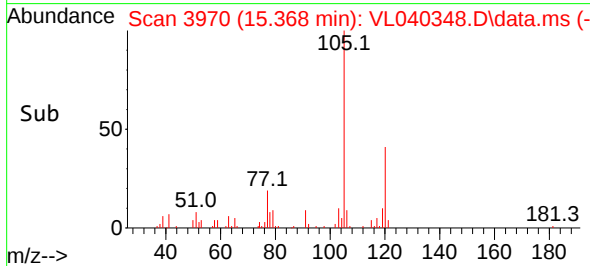
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



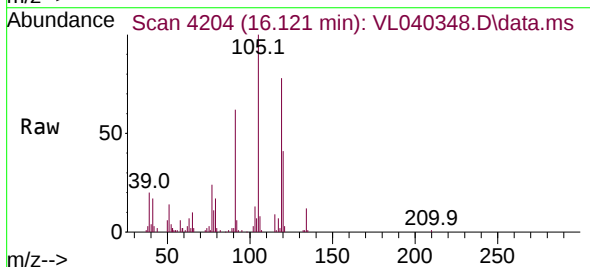
Tgt Ion:105 Resp: 8011
Ion Ratio Lower Upper
105 100
120 41.0 34.9 52.3

Manual Integrations
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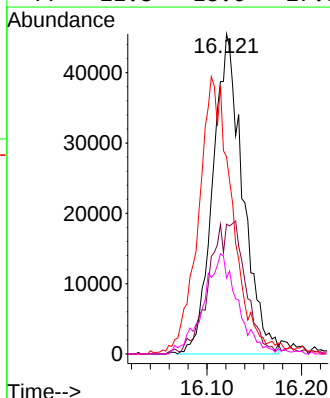
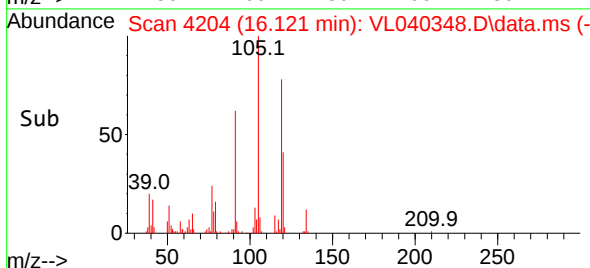
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023

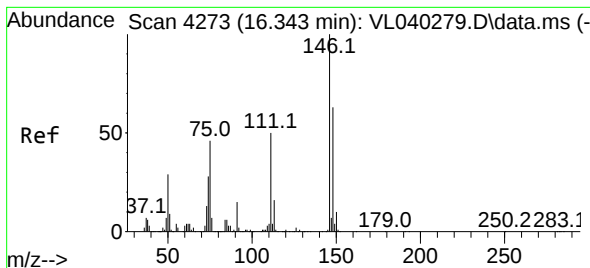


#74
1,2,4-Trimethylbenzene
Concen: 0.411 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. -0.000 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43



Tgt Ion:105 Resp: 100451
Ion Ratio Lower Upper
105 100
120 43.1 36.6 54.8
91 58.2 39.9 59.9
77 21.8 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 0.439 ppbv m

RT: 16.346 min Scan# 4273

Delta R.T. 0.003 min

Lab File: VL040348.D

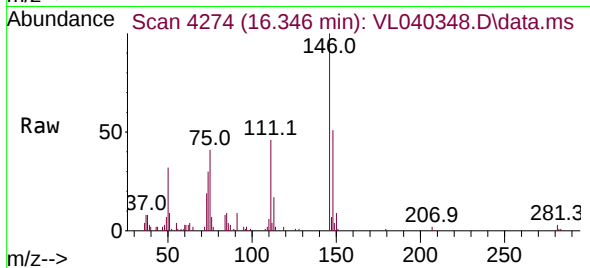
Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2023

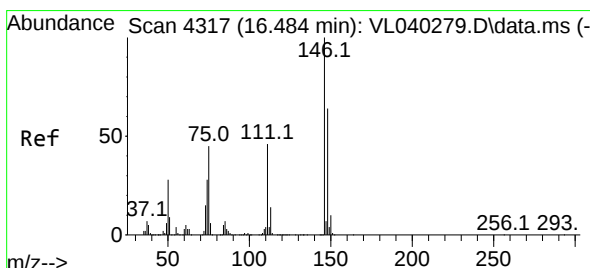
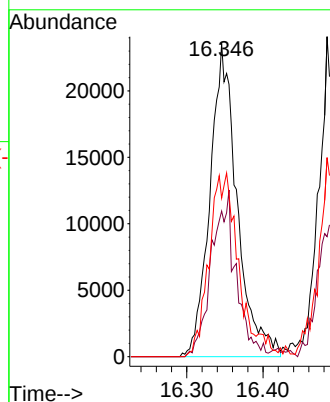
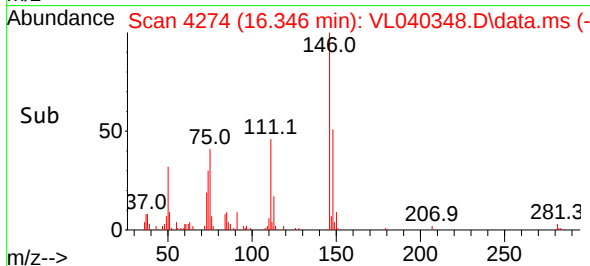


Tgt Ion:	146	Resp:	58240
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.3	73.0
148	0.0	31.9	95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#76

1,4-Dichlorobenzene

Concen: 0.449 ppbv m

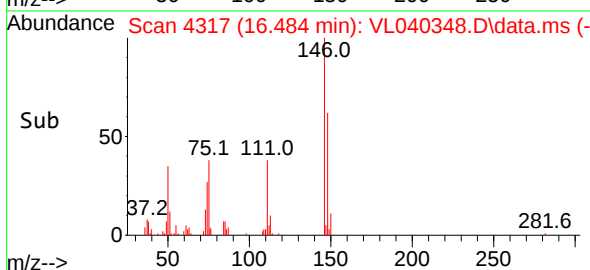
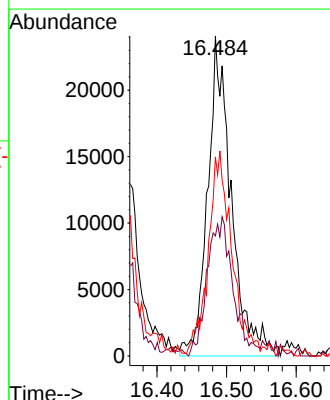
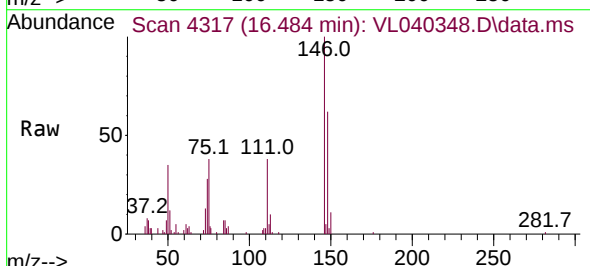
RT: 16.484 min Scan# 4317

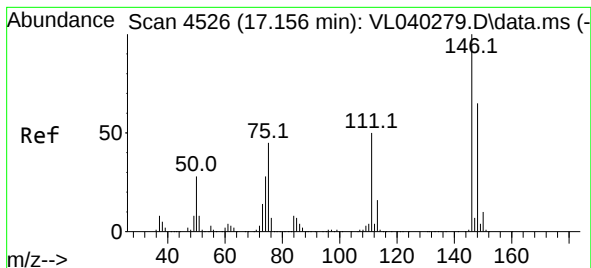
Delta R.T. -0.000 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Tgt Ion:	146	Resp:	56713
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.8	71.2#
148	0.0	32.5	97.5#





#77

1,2-Dichlorobenzene

Concen: 0.456 ppbv m

RT: 17.159 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

Instrument :

MSVOA_L

ClientSampleId :

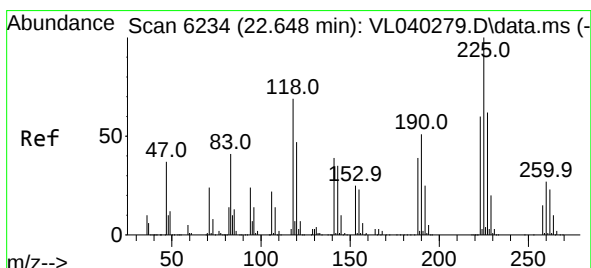
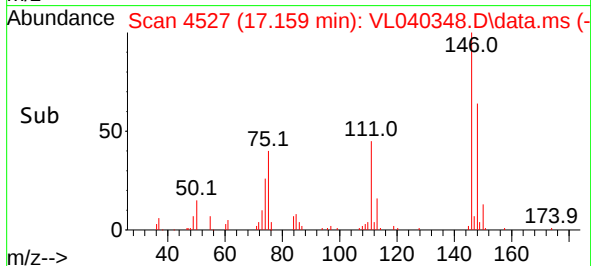
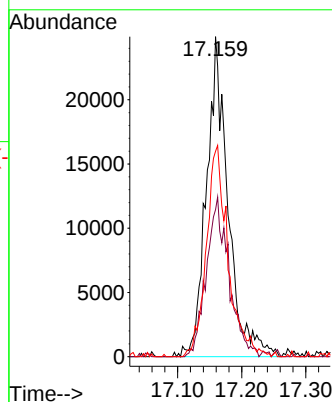
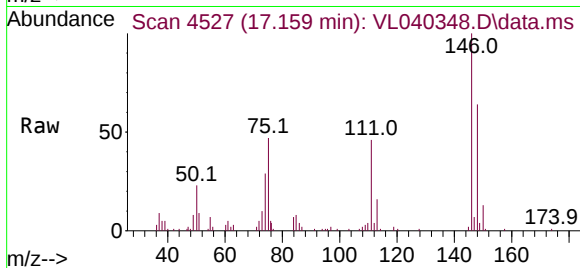
MDL-AIR-03-QT2-2023

Tgt Ion:	146	Resp:	5805
Ion Ratio	Lower	Upper	
146	100		
111	53.5	25.2	75.6
148	66.7	32.1	96.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.517 ppbv m

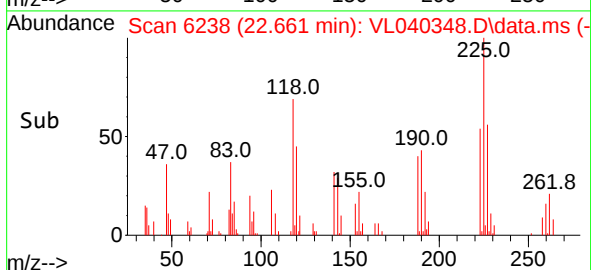
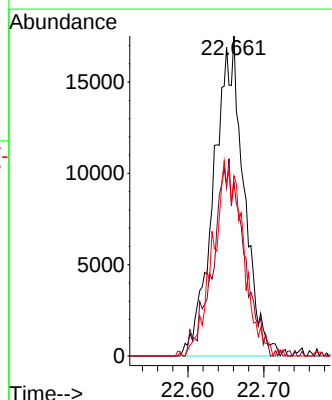
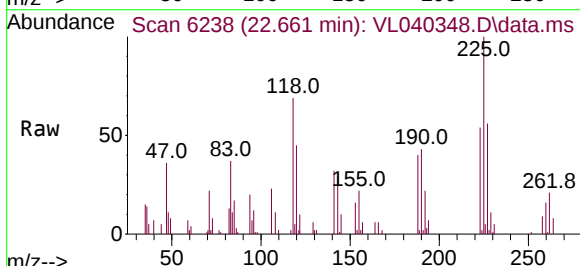
RT: 22.661 min Scan# 6238

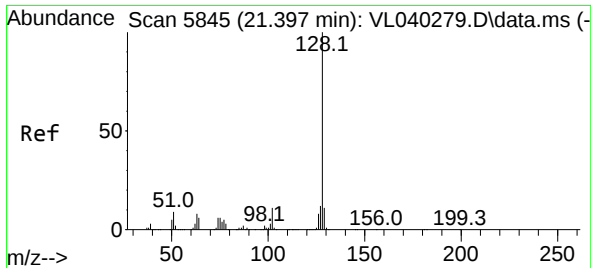
Delta R.T. 0.013 min

Lab File: VL040348.D

Acq: 12 Apr 2023 22:43

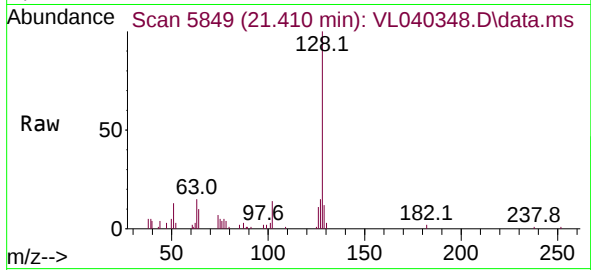
Tgt Ion:	225	Resp:	48328
Ion Ratio	Lower	Upper	
225	100		
223	62.7	51.0	76.6
227	62.0	51.4	77.2





#79
Naphthalene
Concen: 0.295 ppbv m
RT: 21.410 min Scan# 5849
Delta R.T. 0.013 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

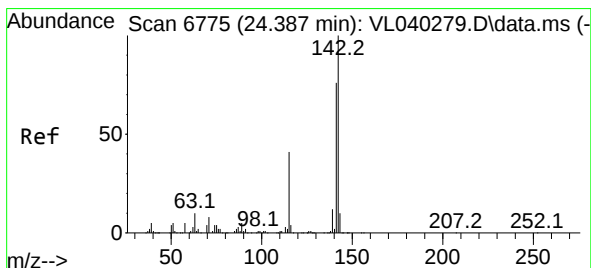
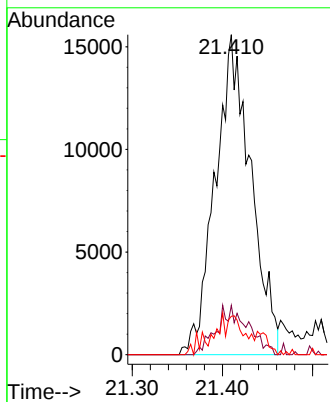
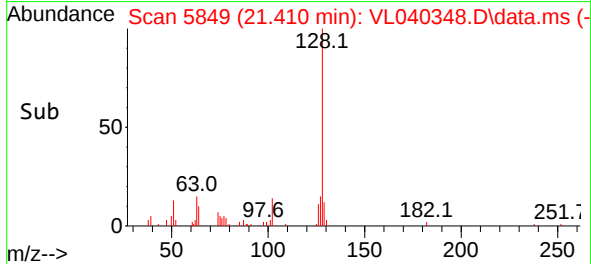
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2023



Tgt Ion:128 Resp: 4267
Ion Ratio Lower Upper
128 100
127 15.4 9.6 14.4
129 12.0 8.6 13.0

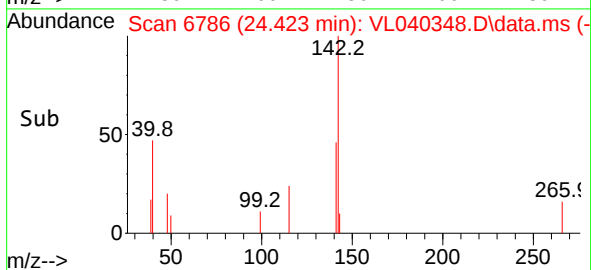
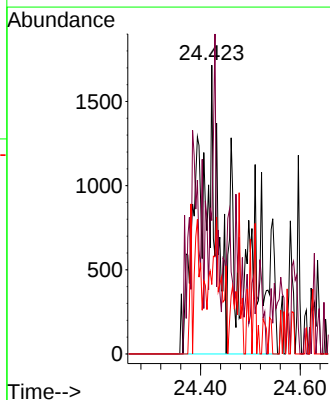
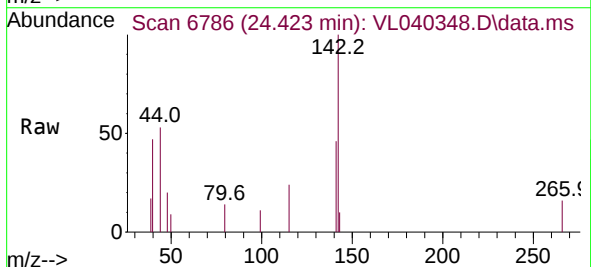
Manual Integrations
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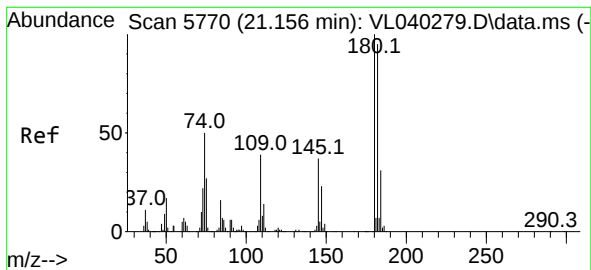
Reviewed By :Semsettin Yesilyurt 04/13/2023
Supervised By :Mahesh Dadoda 04/13/2023



#80
Naphthalene,2-methyl-
Concen: 0.200 ppbv m
RT: 24.423 min Scan# 6786
Delta R.T. 0.036 min
Lab File: VL040348.D
Acq: 12 Apr 2023 22:43

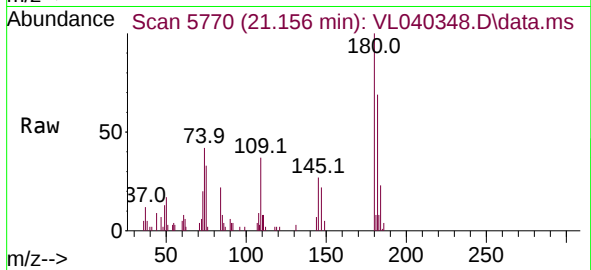
Tgt Ion:142 Resp: 7328
Ion Ratio Lower Upper
142 100
141 38.5 65.5 98.3#
115 0.0 33.5 50.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.371 ppbv m
 RT: 21.156 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL040348.D
 Acq: 12 Apr 2023 22:43

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2023



Tgt Ion:180 Resp: 33108
 Ion Ratio Lower Upper
 180 100
 182 90.2 76.1 114.1
 184 30.5 24.4 36.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

