Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039049.D
Acq On : 13 May 2022 23:10
Operator : SY/AP
Sample : N2828-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 03:42:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522A
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	963604	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2379852	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	1965923	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1553548	9.98	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	46029m	0.305	ppbv		
3) Chlorodifluoromethane	2.98	51	1386282	11.594	ppbv		95
4) Chloromethane	3.13	50	32057	0.535	ppbv	#	83
9) Propene	3.02	41	132531m	2.538	ppbv		
10) Heptane	8.10	43	27596	0.215	ppbv	#	78
11) Trichlorofluoromethane	3.94	101	29485	0.228	ppbv		94
13) Ethanol	3.60	45	8213942	2222.799	ppbv		90
15) Acetone	3.83	43	882842	9.713	ppbv		95
17) tert-Butyl alcohol	4.29	59	20540m	0.294	ppbv		
19) Isopropyl Alcohol	3.96	45	5197601	120.265	ppbv	#	98
20) Methylene Chloride	4.33	84	50651	1.478	ppbv		94
25) Ethyl Acetate	5.65	43	1698637	7.808	ppbv	#	91
29) Chloroform	5.73	83	83568	0.534	ppbv		93
34) 2-Butanone	5.23	43	43866	0.361	ppbv	#	88
35) Carbon Tetrachloride	7.00	117	8781m	0.056	ppbv		
36) Benzene	6.87	78	32346	0.159	ppbv		98
44) 2,2,4-Trimethylpentane	7.85	57	47034	0.132	ppbv	#	75
52) Tetrachloroethene	11.19	164	19243m	0.264	ppbv		
53) Toluene	9.78	91	124108m	0.544	ppbv		
59) m/p-Xylene	12.94	91	67847m	0.281	ppbv		
60) o-Xylene	13.66	91	29082m	0.128	ppbv		
69) p-Isopropyltoluene	17.62	119	59587m	0.177	ppbv		
74) 1,2,4-Trimethylbenzene	16.73	105	46229m	0.181	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051322\
Data File : VL039049.D
Acq On : 13 May 2022 23:10
Operator : SY/AP
Sample : N2828-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 14 03:42:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
IA1

Manual Integrations APPROVED

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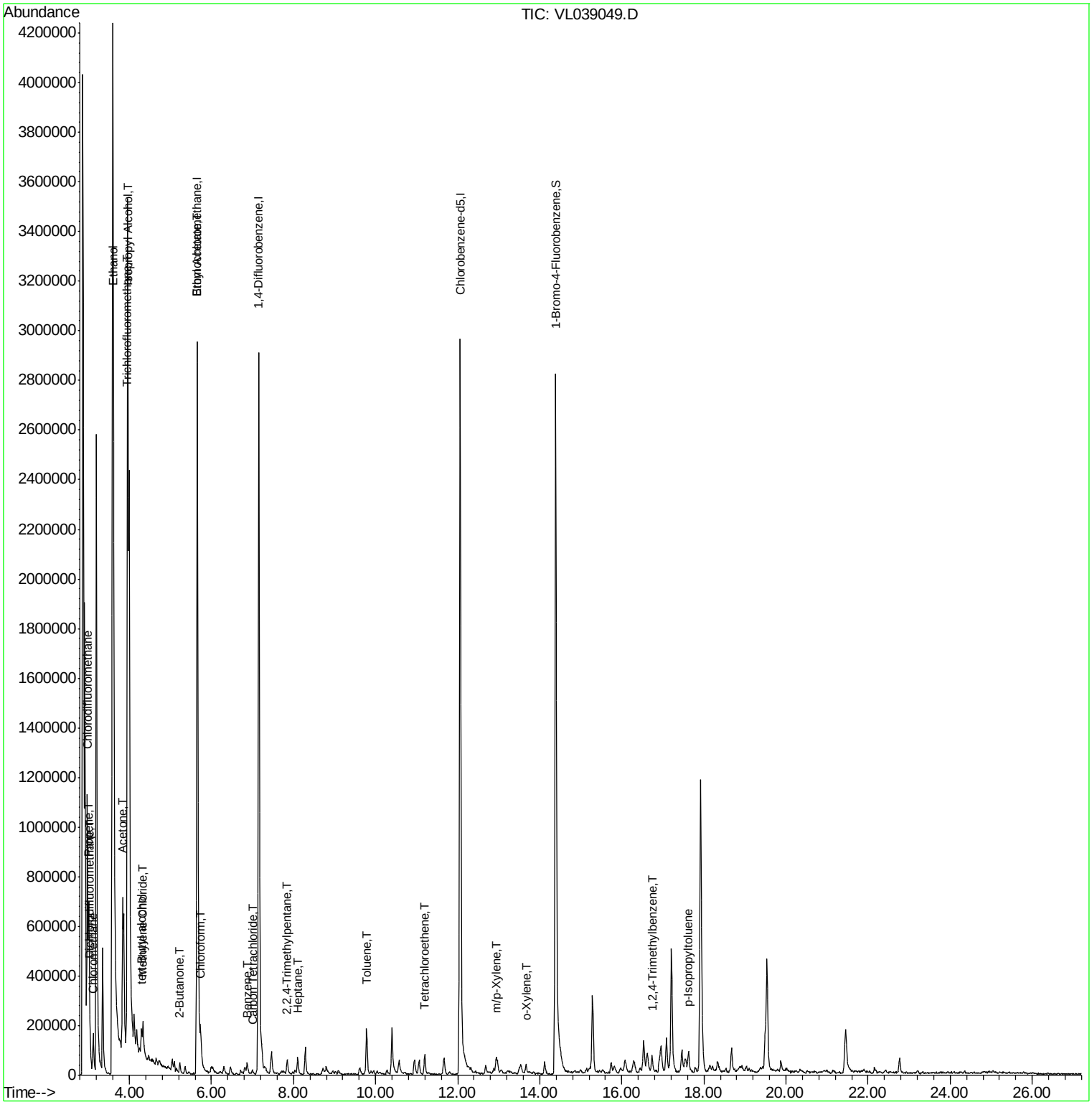

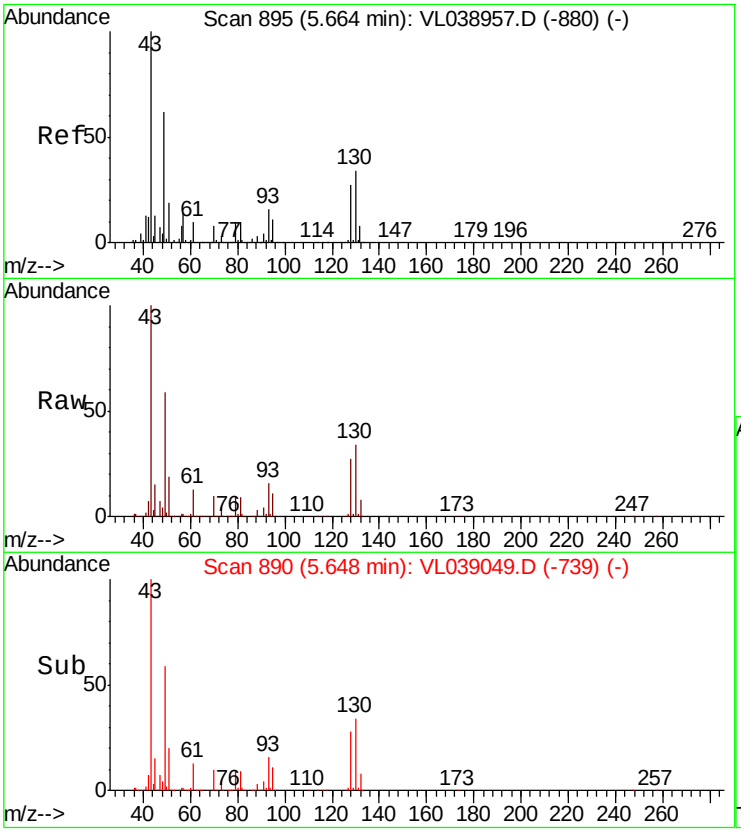

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:
Ion Rati
49 100
128 47.
130 60.

Manual Integrations APPROVED

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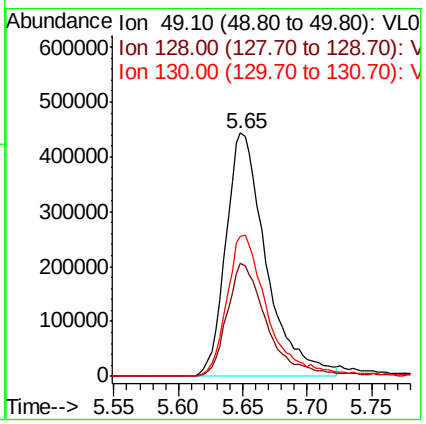
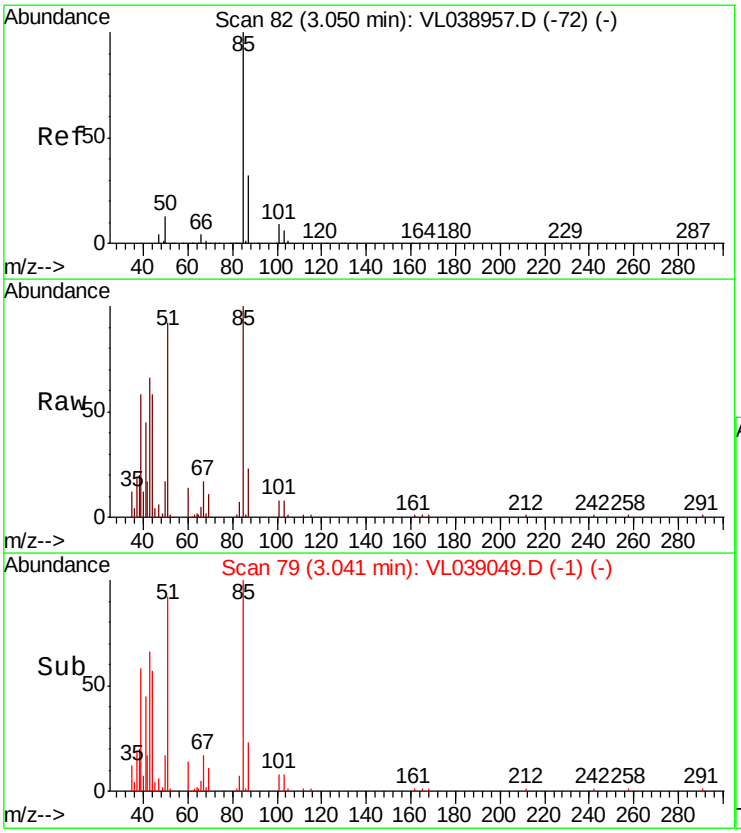
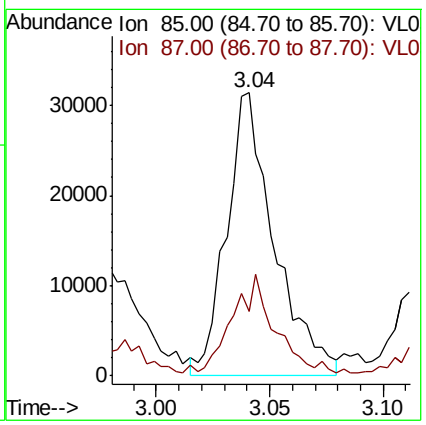


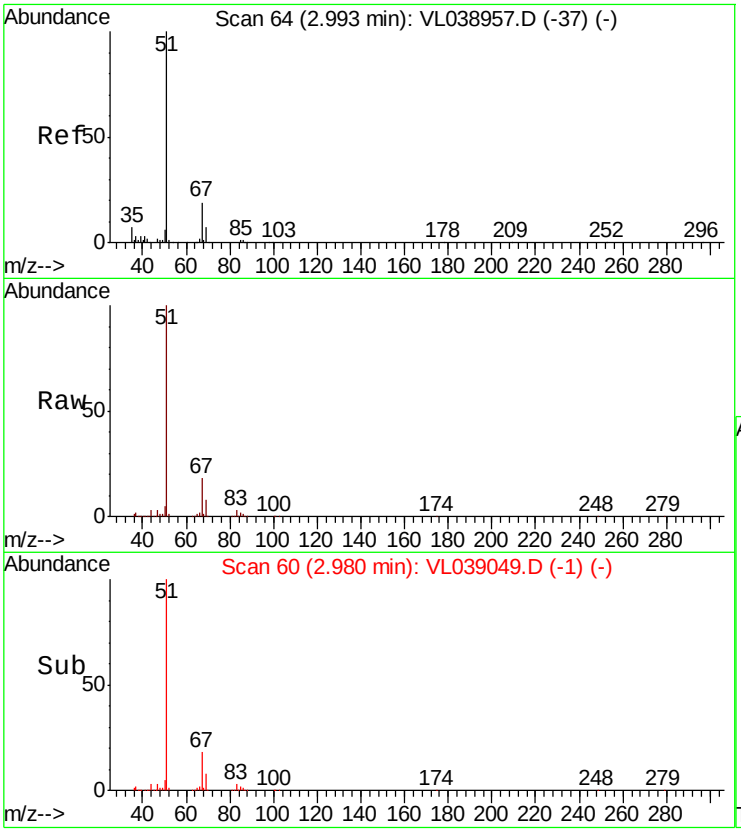


#2
Dichlorodifluoromethane
Concen: 0.305 ppbv m
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 85 Resp: 46029

Ion	Ratio	Lower	Upper
85	100		
87	22.9	25.7	38.5#





#3
Chlorodifluoromethane
Concen: 11.594 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:
Ion Rati
51 100
67 17.

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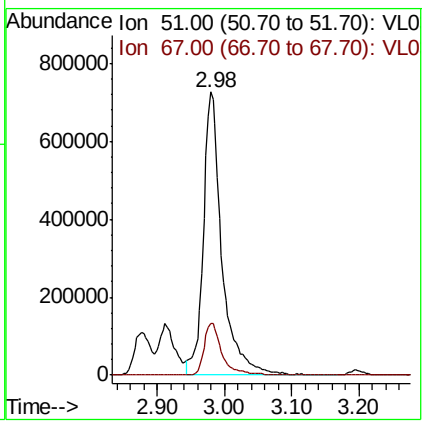
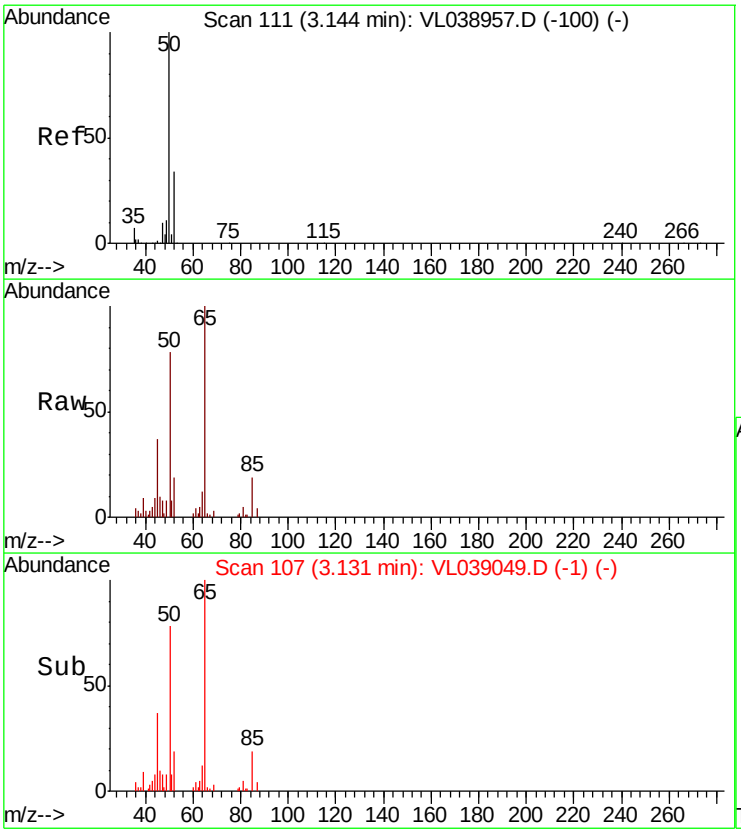
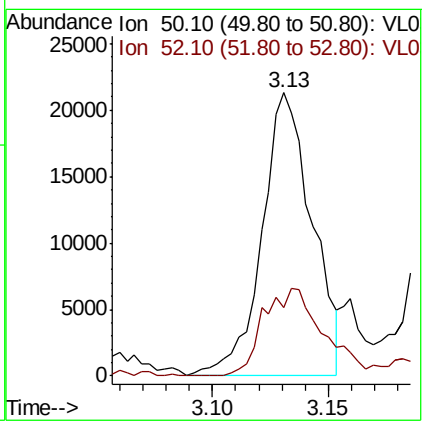


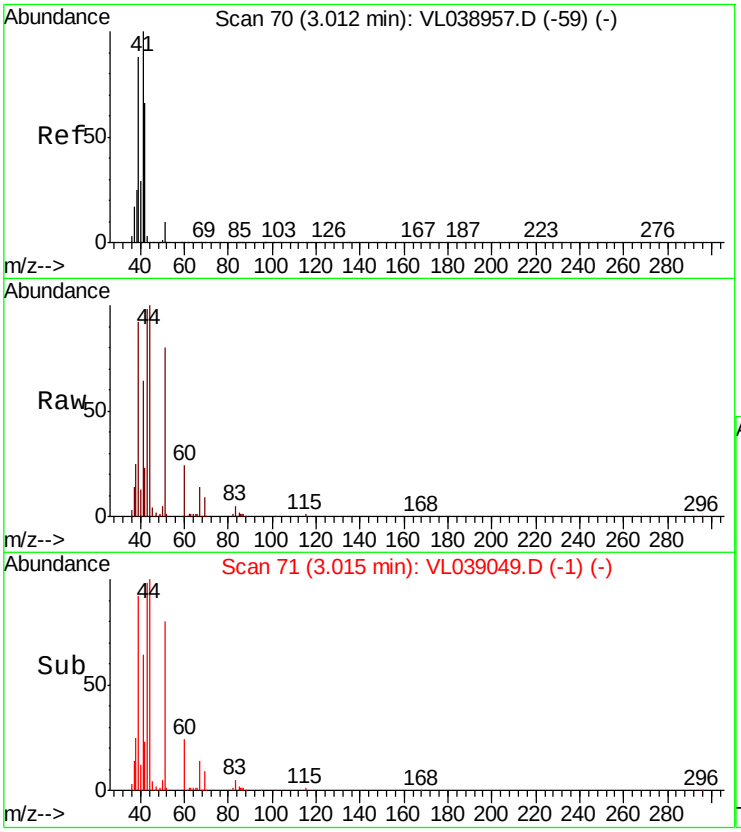


#4
Chloromethane
Concen: 0.535 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 50 Resp: 32057

Ion	Ratio	Lower	Upper
50	100		
52	24.2	27.3	40.9#





#9
Propene
Concen: 2.538 ppbv m
RT: 3.02
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:

Ion	Rati
41	100
42	42.

Manual Integrations
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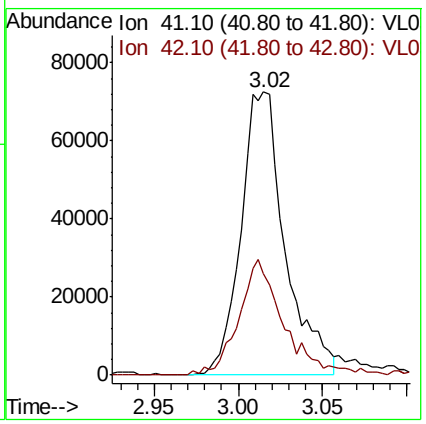
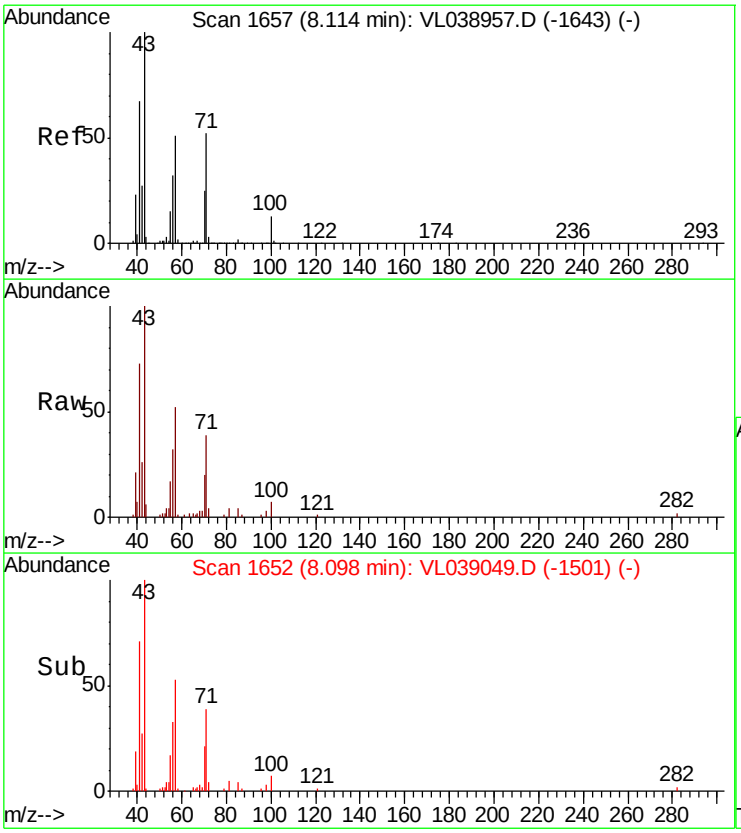
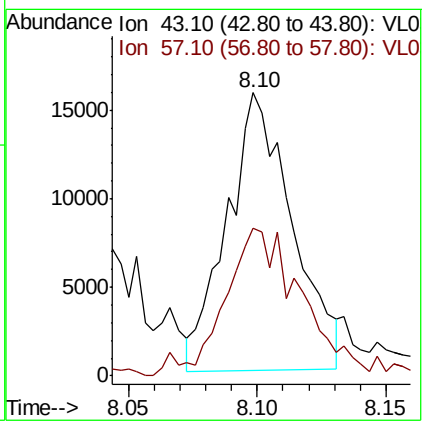


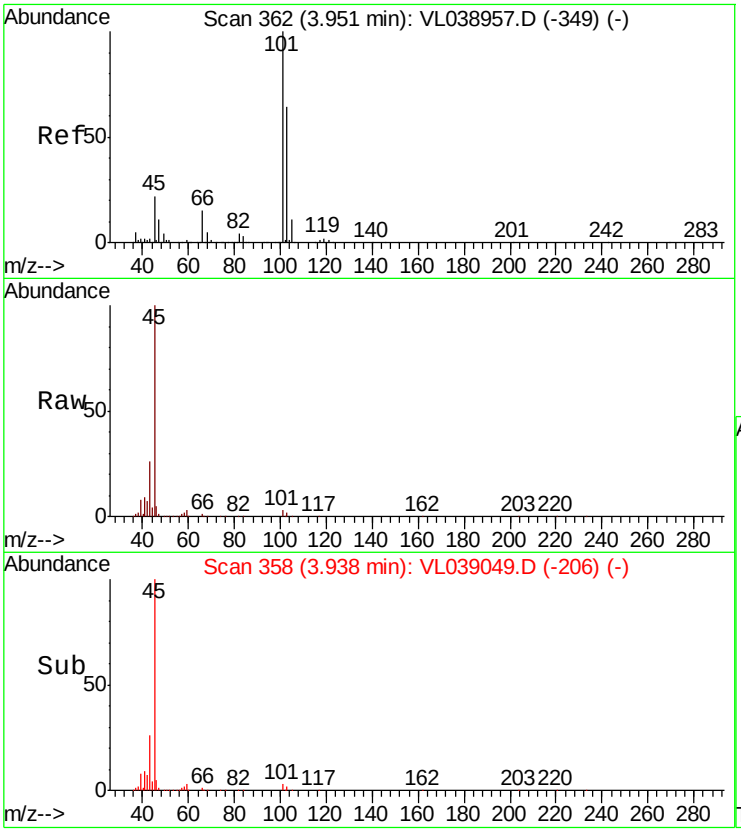


#10
Heptane
Concen: 0.215 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 43 Resp: 27596

Ion	Ratio	Lower	Upper
43	100		
57	65.8	40.5	60.7#





#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:1
Ion Rati
101 100
103 59.

Manual Integrations
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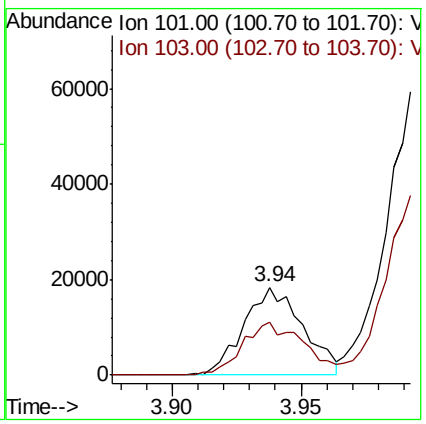
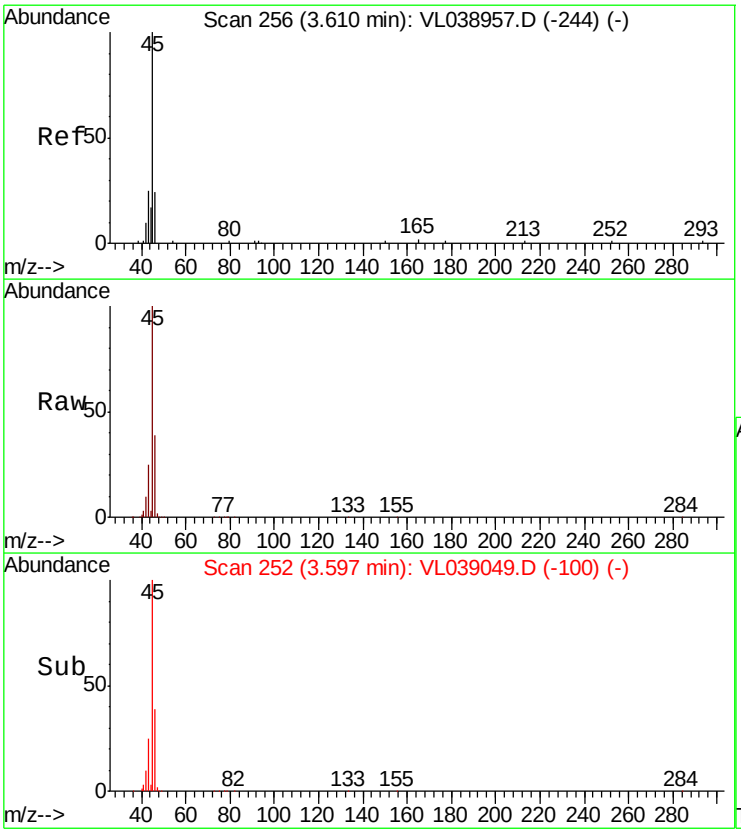
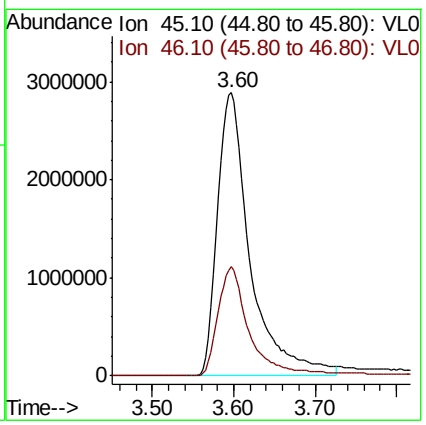


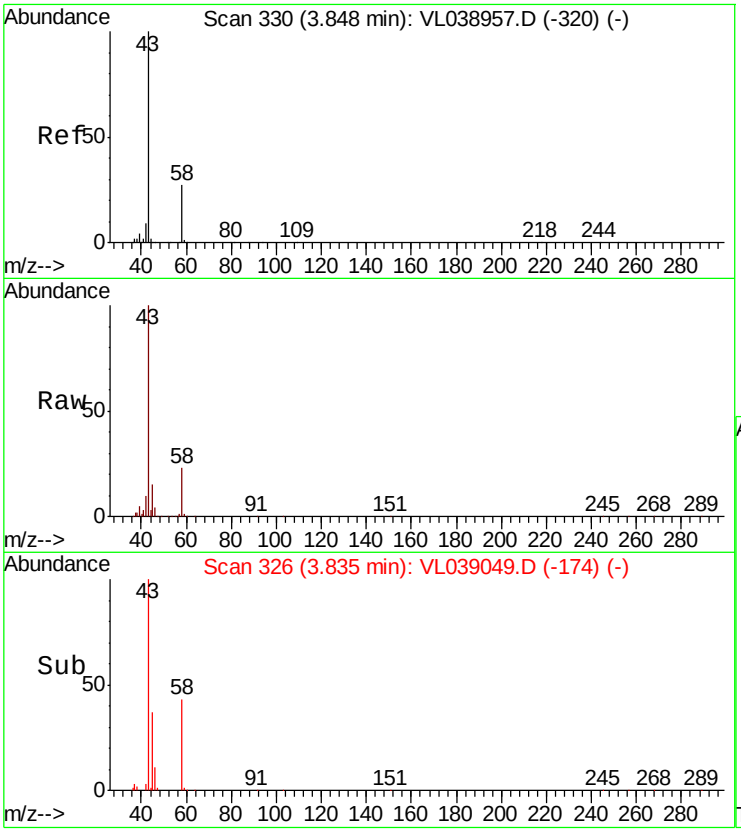


#13
Ethanol
Concen: 2222.799 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 45 Resp: 8213942

Ion	Ratio	Lower	Upper
45	100		
46	38.8	18.0	72.2





#15
Acetone
Concen: 9.713 ppbv
RT: 3.83
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:

Ion	Rati
43	100
58	24.

Manual Integrations
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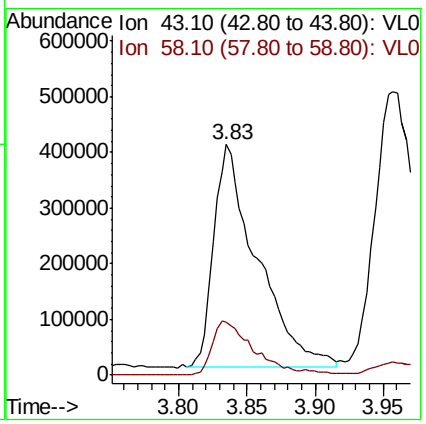
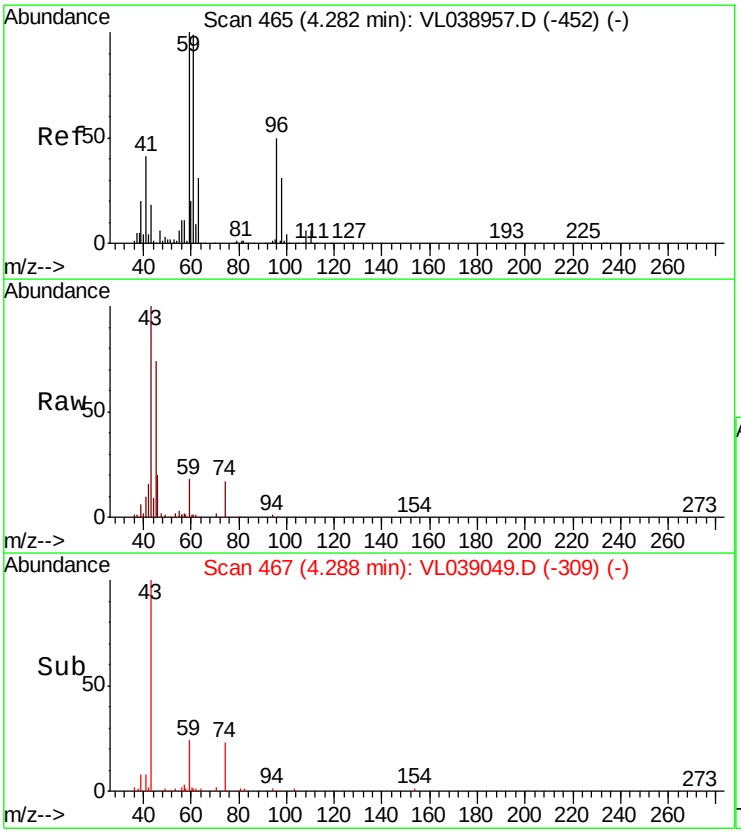
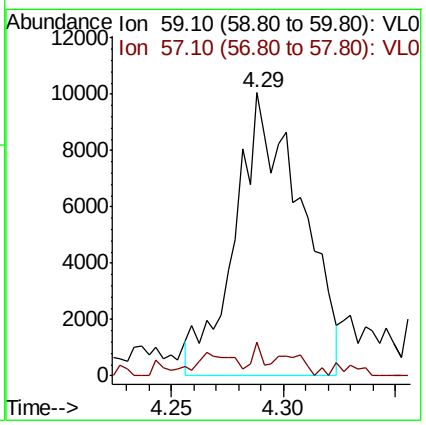


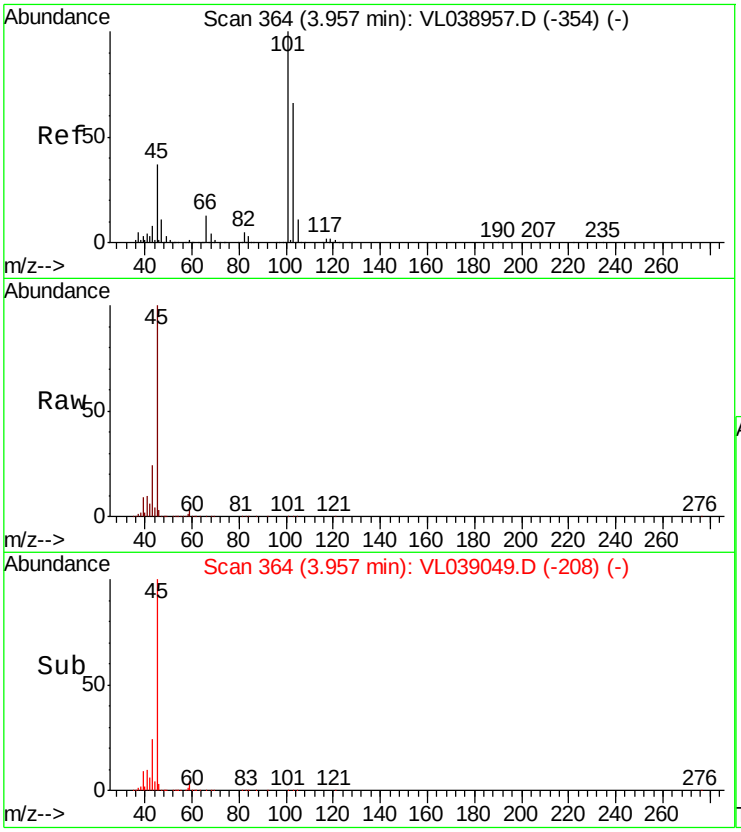


#17
tert-Butyl alcohol
Concen: 0.294 ppbv m
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 59 Resp: 20540

Ion	Ratio	Lower	Upper
59	100		
57	92.3	9.2	13.8#





#19
Isopropyl Alcohol
Concen: 120.265 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:

Ion	Rati
45	100
58	1.

Manual Integrations
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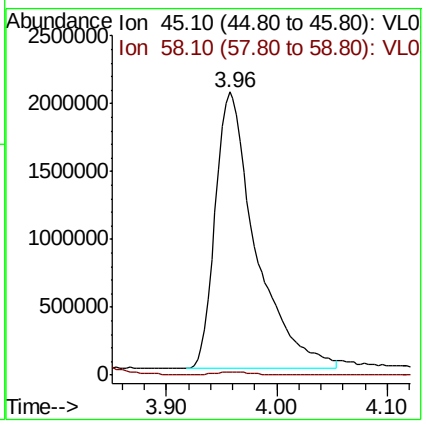
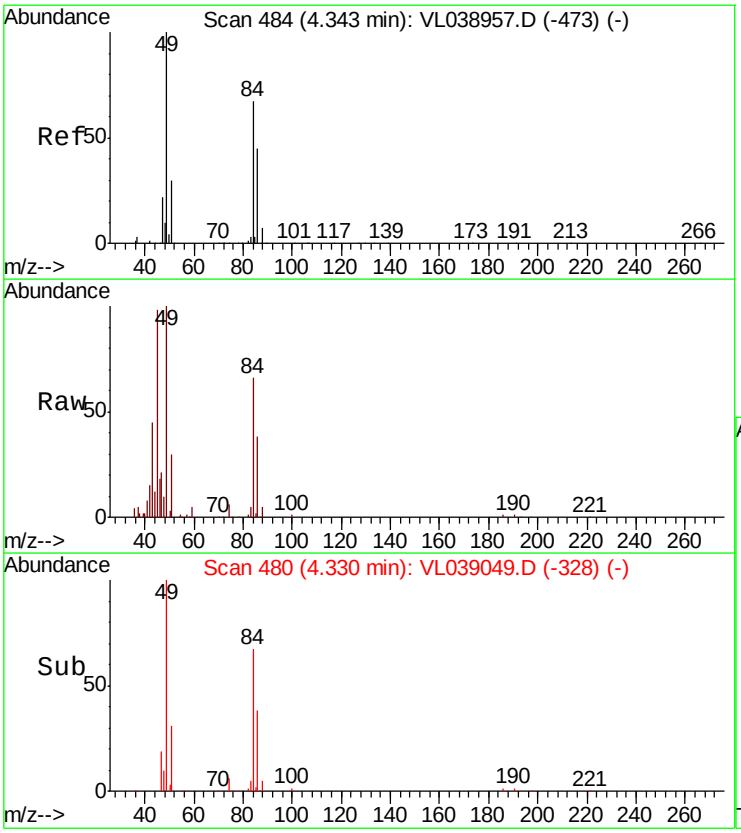
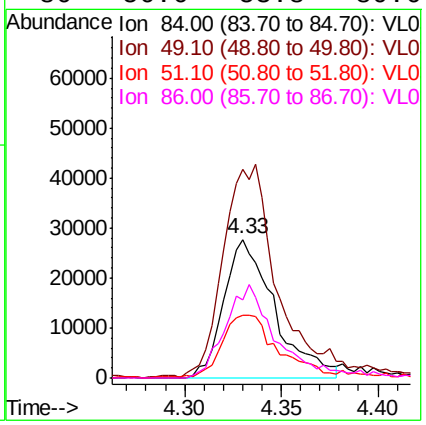


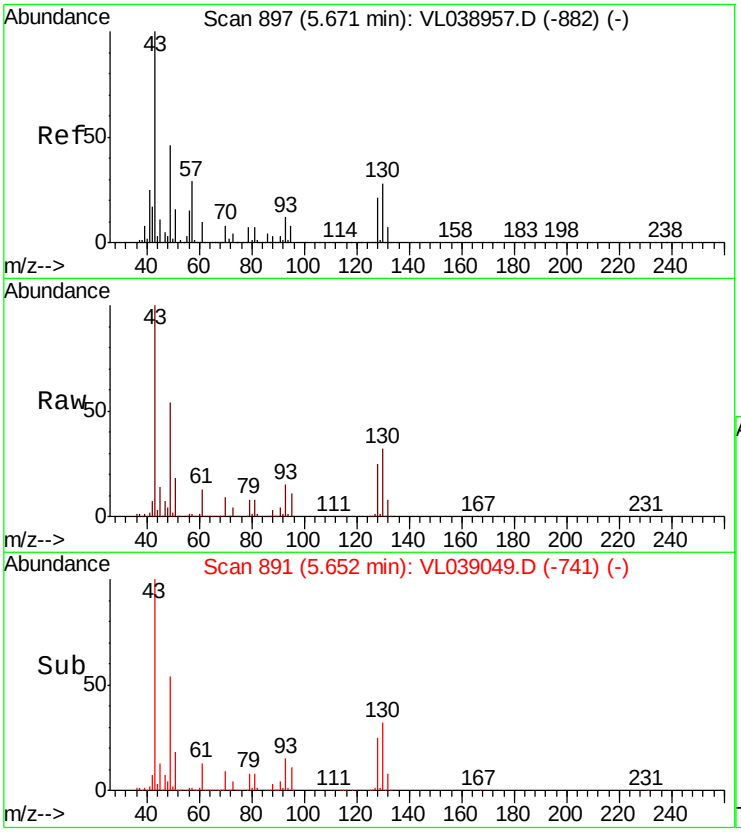


#20
Methylene Chloride
Concen: 1.478 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 84 Resp: 50651

Ion	Ratio	Lower	Upper
84	100		
49	145.4	119.9	179.9
51	43.5	35.7	53.5
86	56.6	53.8	80.6





#25
Ethyl Acetate
Concen: 7.808 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:

Ion	Rati		
43	100		
45	14.		
61	13.		
70	9.2	5.6	8.4#

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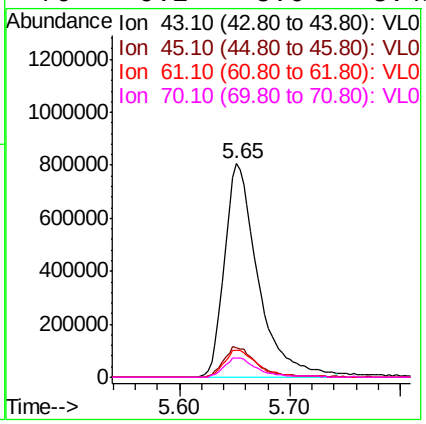
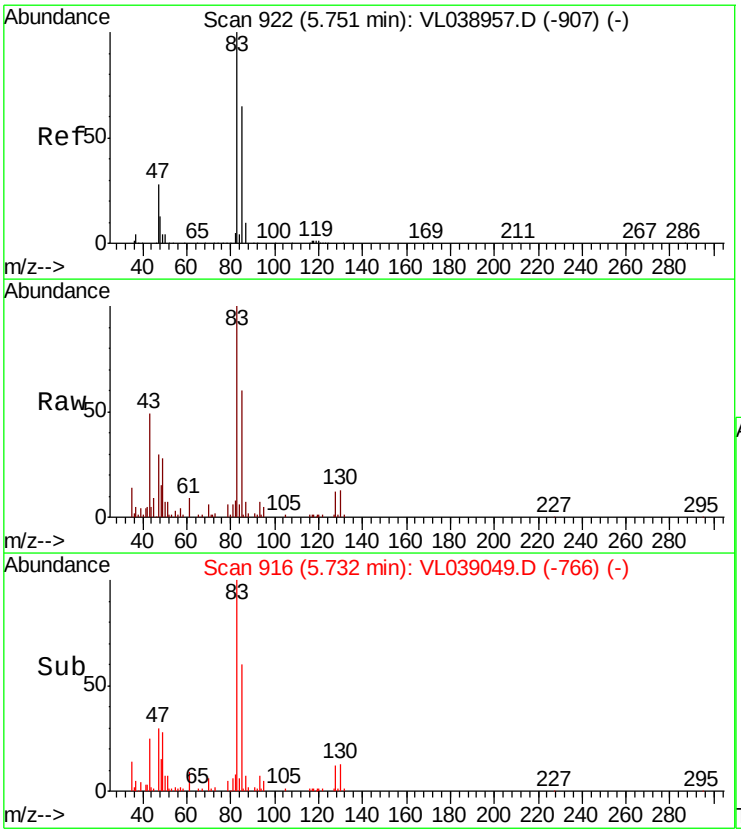
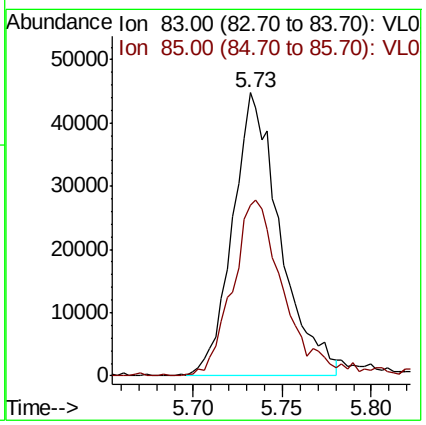


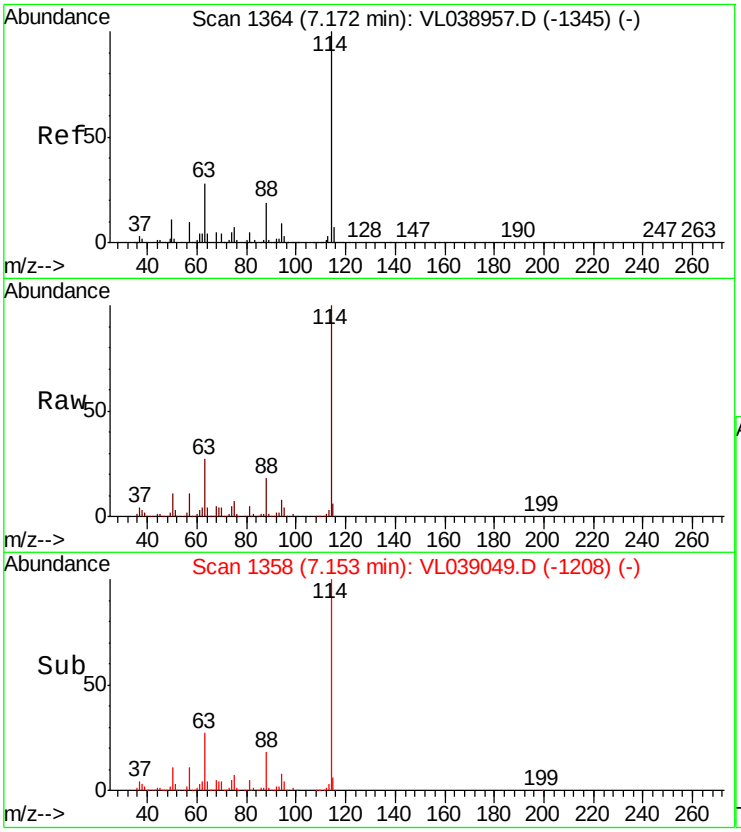


#29
Chloroform
Concen: 0.534 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 83 Resp: 83568

Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.8	77.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:1
Ion Rati
114 100
63 26.
88 18.

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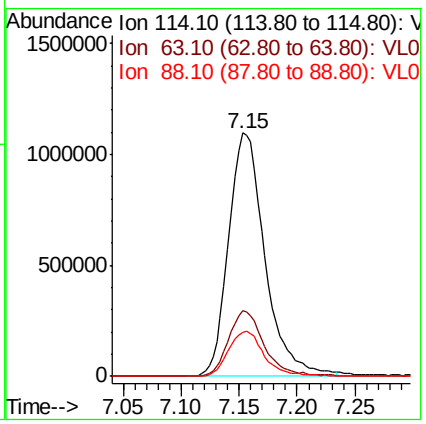
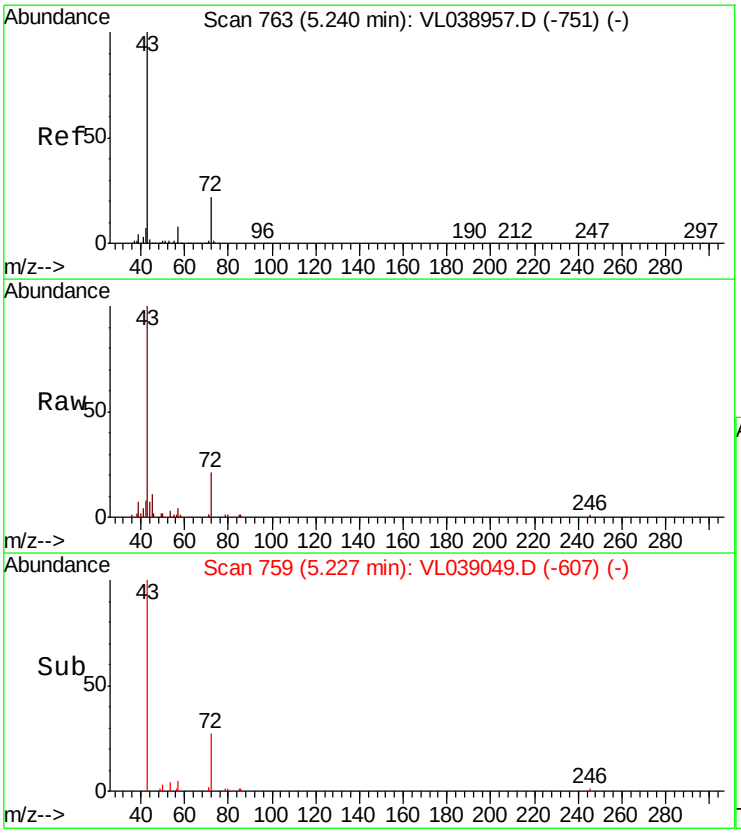
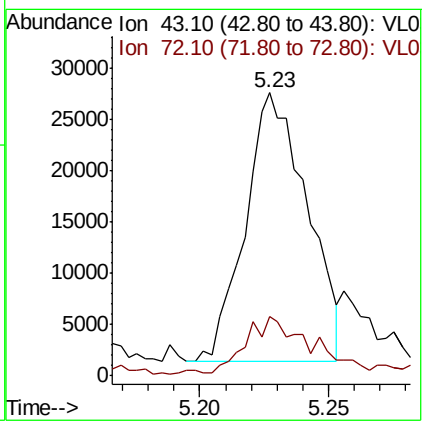


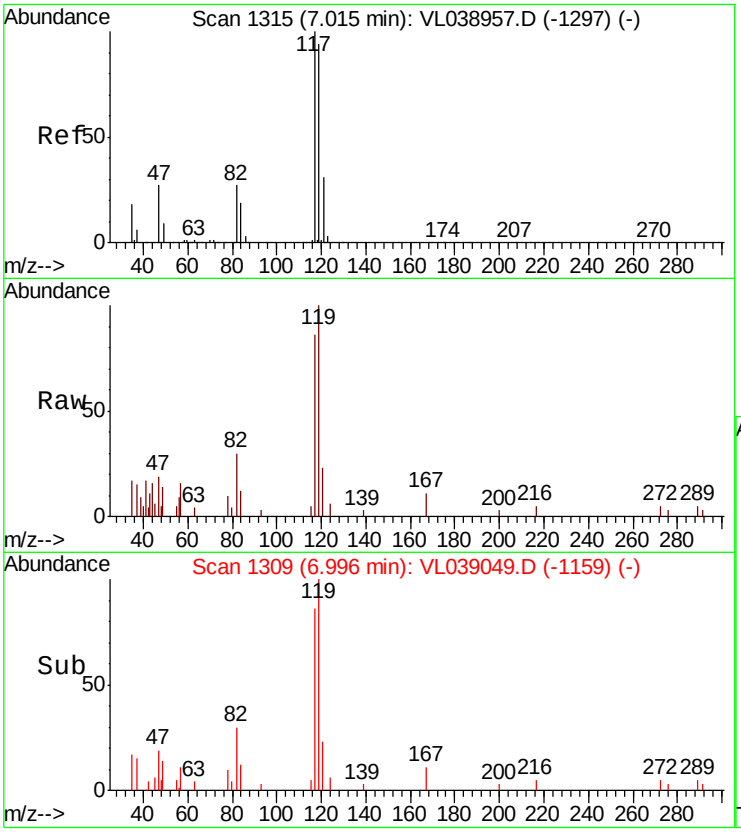


#34
2-Butanone
Concen: 0.361 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.01 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 43 Resp: 43866

Ion	Ratio	Lower	Upper
43	100		
72	28.0	17.8	26.6#





#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.00
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:1

Ion	Rati
117	100
119	116.
121	27.

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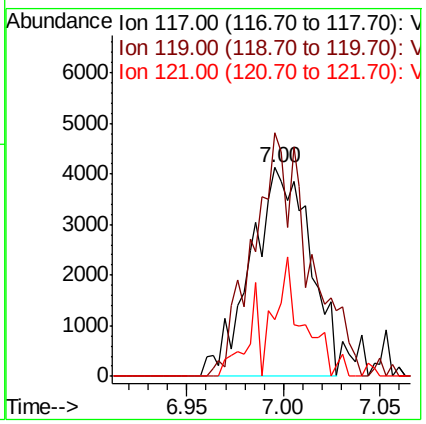
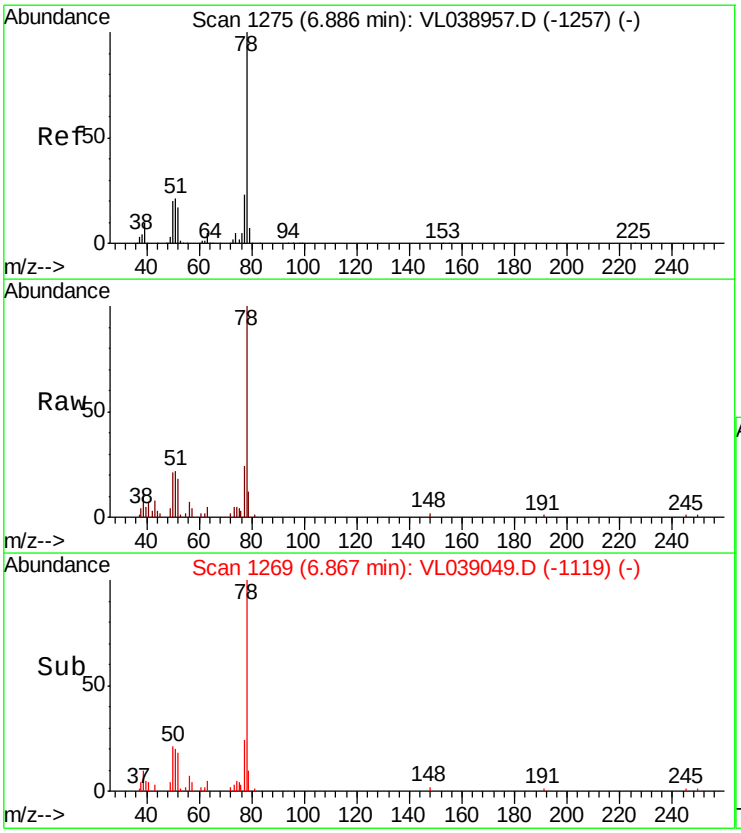
Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022

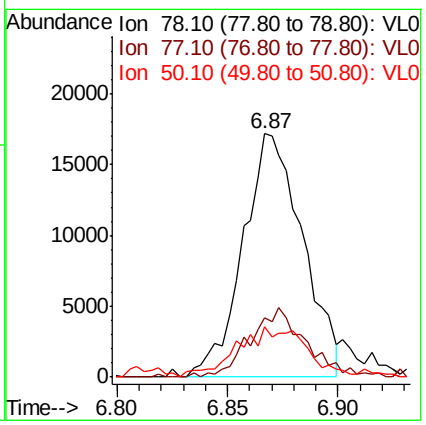


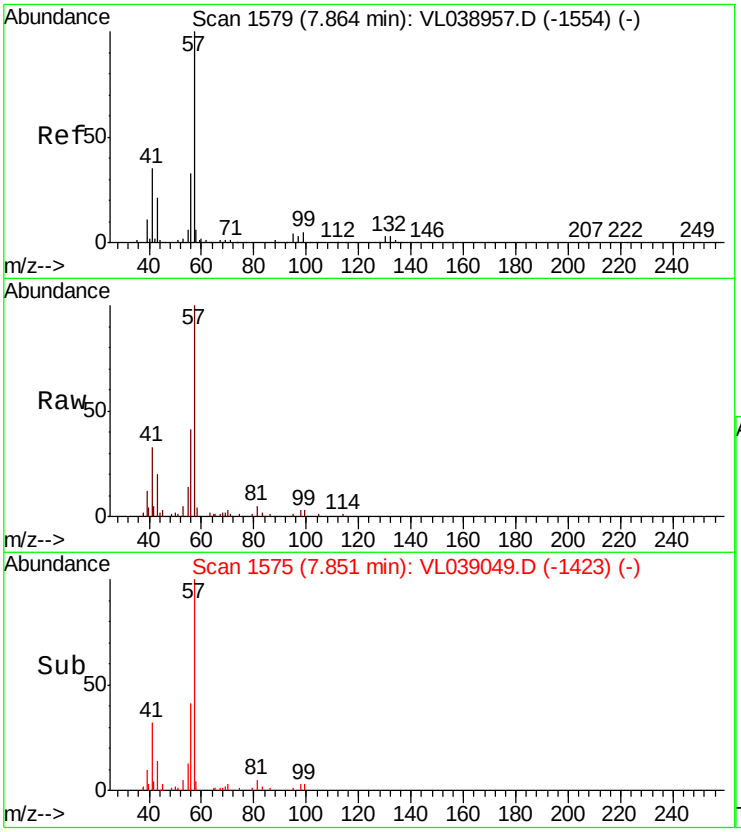


#36
Benzene
Concen: 0.159 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 78 Resp: 32346

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0
50	18.5	15.6	23.4





#44
2,2,4-Trimethylpentane
Concen: 0.132 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:
Ion Rati
57 100
41 47.
56 43.

Manual Integrations
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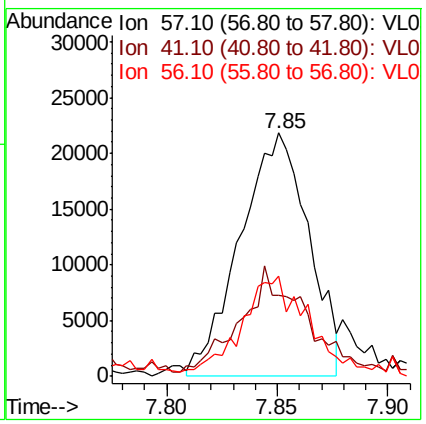
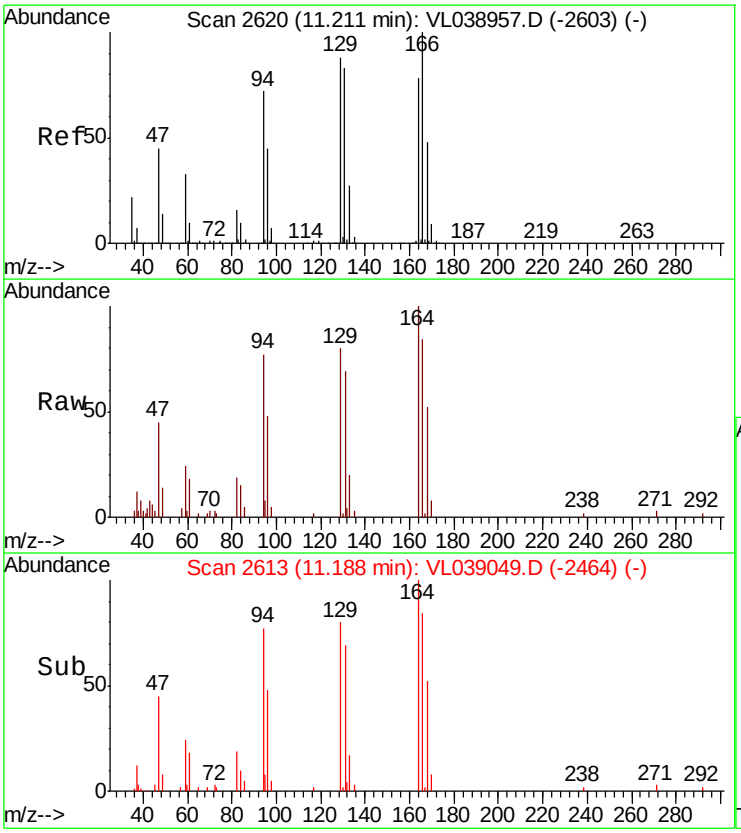
Supervised By :Mahesh Dadoda 05/17/2022

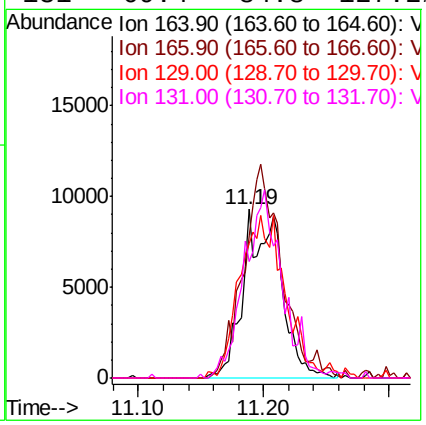


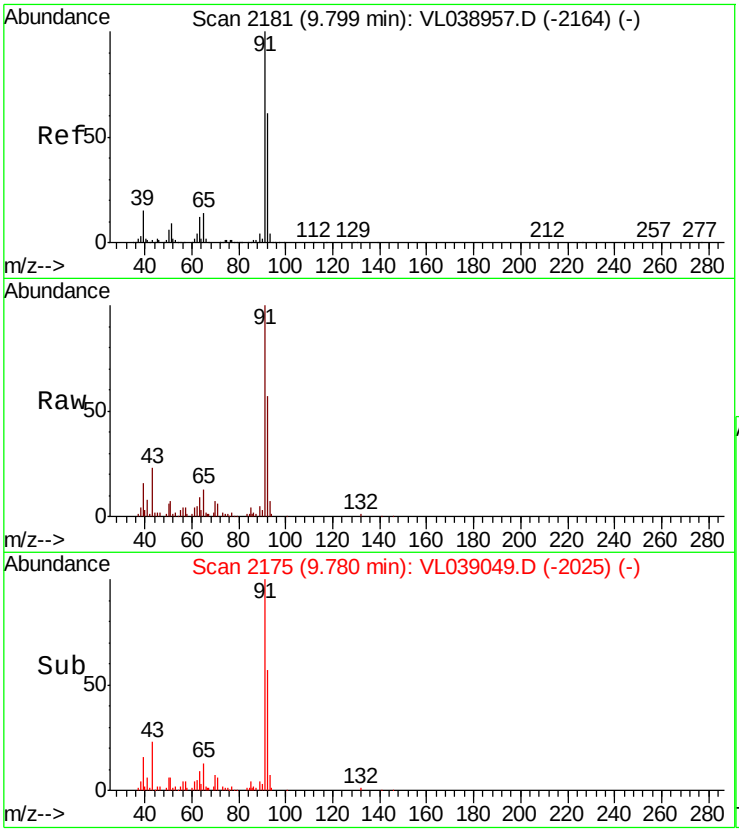


#52
Tetrachloroethene
Concen: 0.264 ppbv m
RT: 11.19 min Scan# 2613
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion:164 Resp: 19243

Ion	Ratio	Lower	Upper
164	100		
166	83.9	102.5	153.7#
129	79.6	90.1	135.1#
131	69.4	84.8	127.2#





#53
Toluene
Concen: 0.544 ppbv m
RT: 9.78
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Tgt Ion:
Ion Rati
91 100
92 0.

Instrument :
MSVOA_L
ClientSampleId :
IA1

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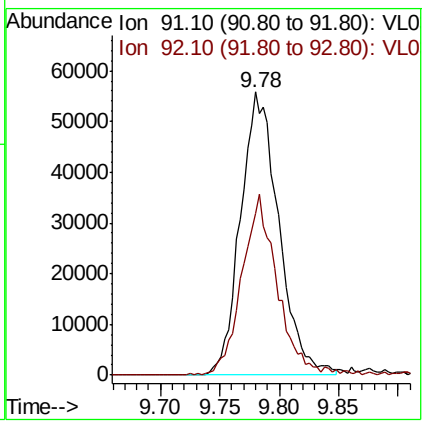
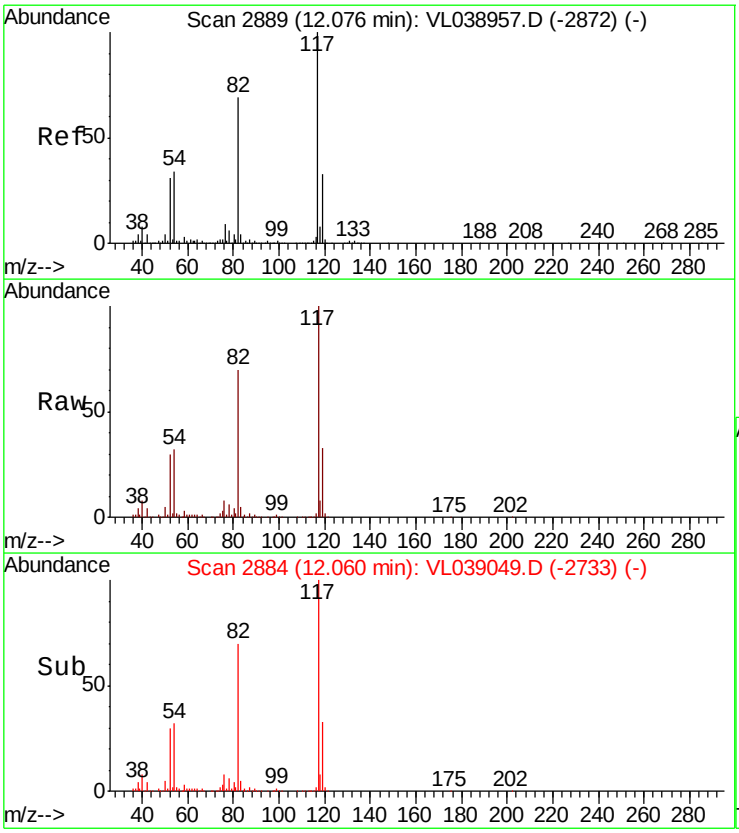
Supervised By :Mahesh Dadoda 05/17/2022

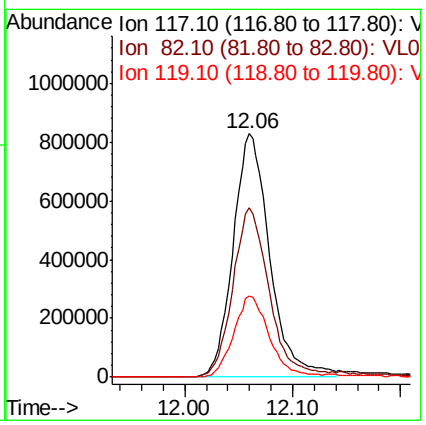


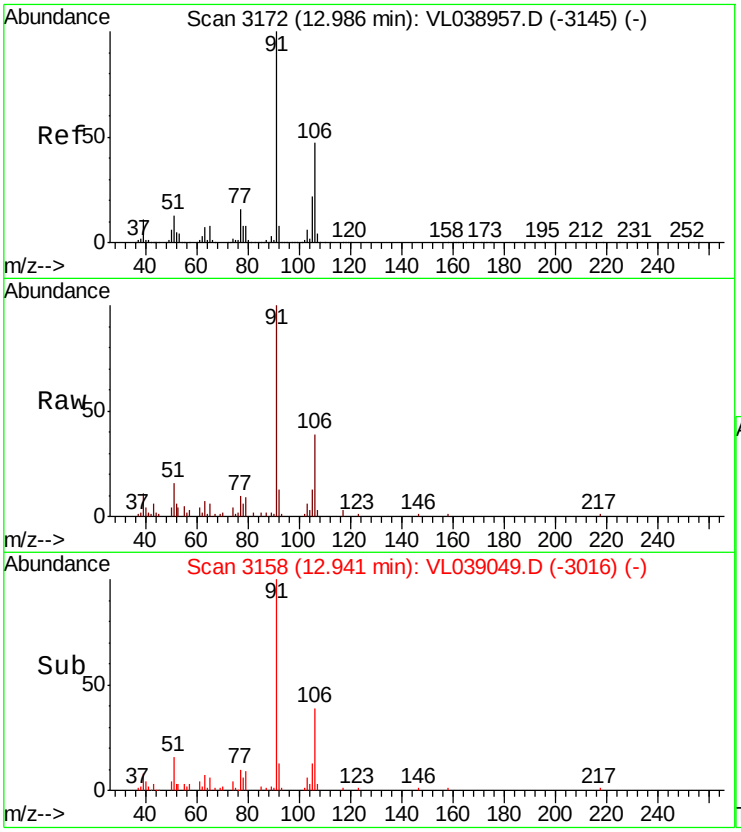


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion:117 Resp: 1965923

Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.0	85.6
119	33.9	27.2	40.8





#59
m/p-Xylene
Concen: 0.281 ppbv m
RT: 12.94
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Tgt Ion:
Ion Rati
91 100
106 0.

Instrument :
MSVOA_L
ClientSampleId :
IA1

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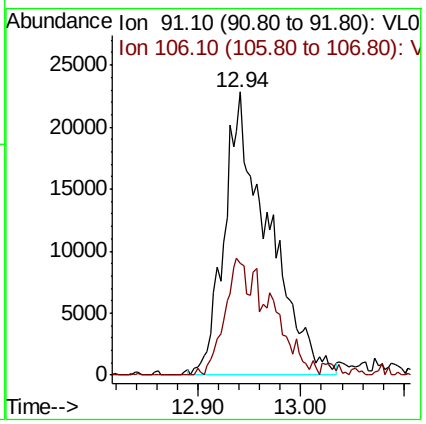
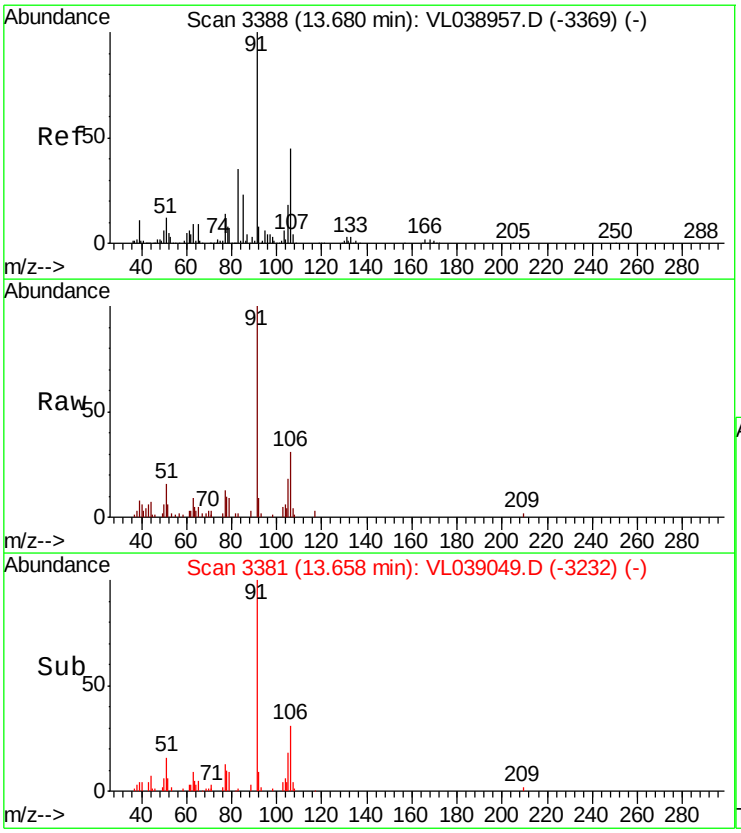
Supervised By :Mahesh Dadoda 05/17/2022

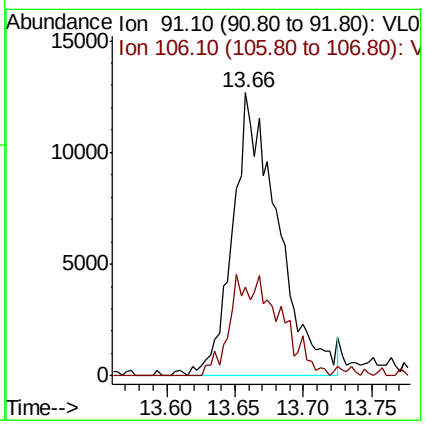


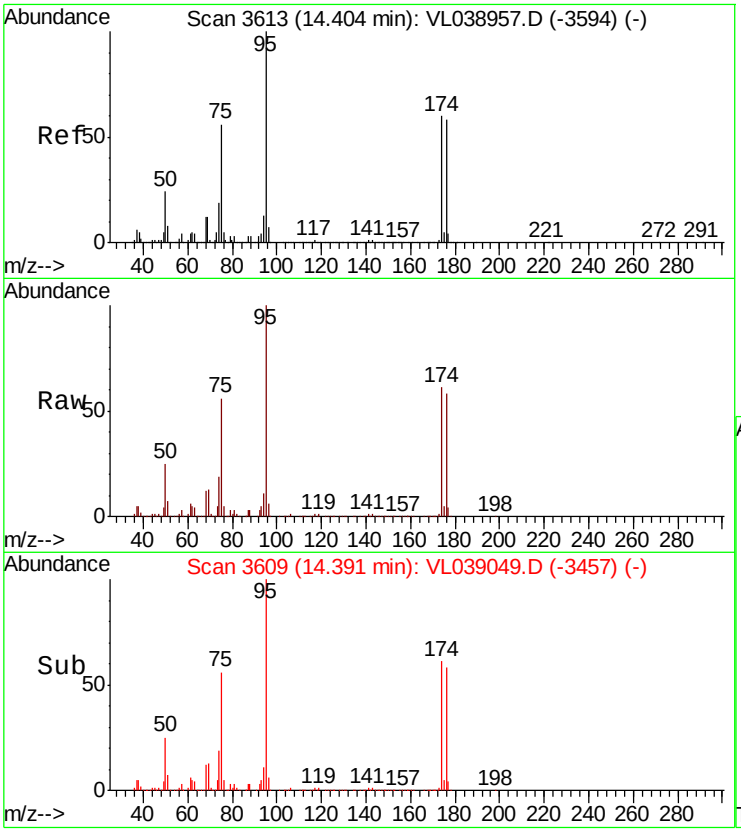


#60
o-Xylene
Concen: 0.128 ppbv m
RT: 13.66 min Scan# 3381
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion: 91 Resp: 29082

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.2	66.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.978 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:
Ion Rati
95 100
174 64.
175 4.

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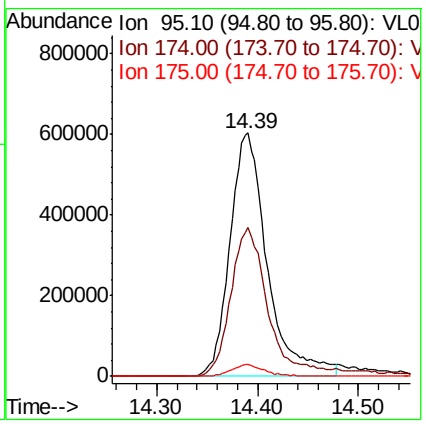
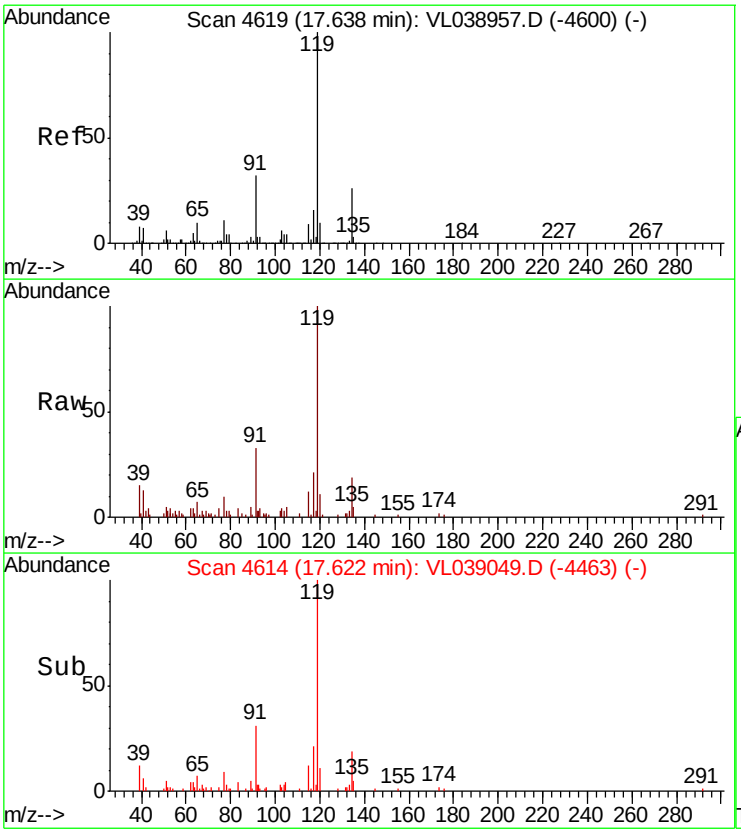
Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022

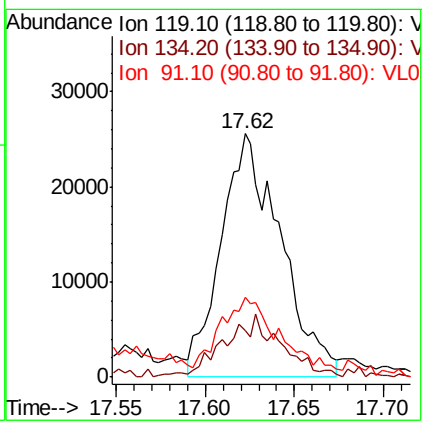


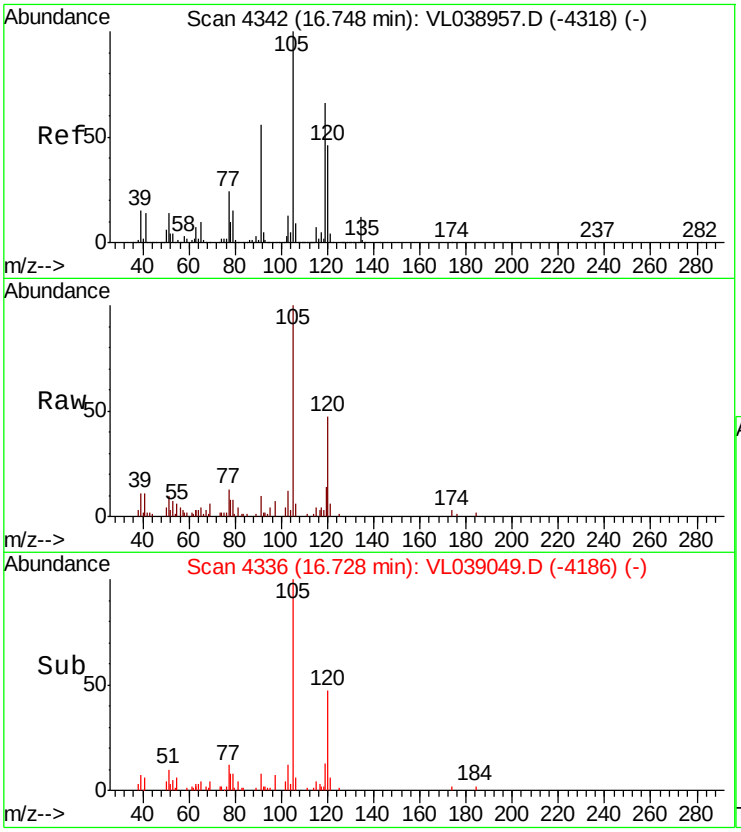


#69
p-Isopropyltoluene
Concen: 0.177 ppbv m
RT: 17.62 min Scan# 4614
Delta R.T. -0.02 min
Lab File: VL039049.D
Acq: 13 May 2022 23:10

Tgt Ion:119 Resp: 59587

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.0	30.0#
91	37.9	24.8	37.2#





#74
1,2,4-Trimethylbenzene
Concen: 0.181 ppbv m
RT: 16.73
Delta R.T
Lab File:
Acq: 13 May 2022 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:1

Ion	Rati		
105	100		
120	46.		
91	10.		
77	12.8	19.2	28.8#

Manual Integrations
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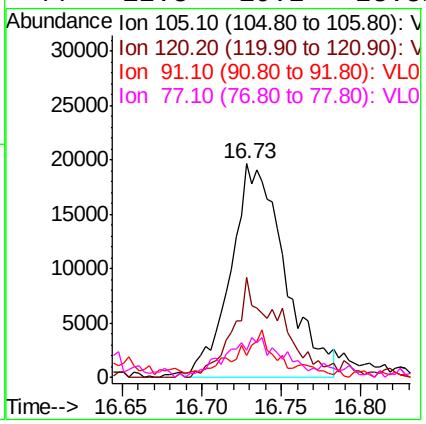
Reviewed By :Semsettin Yesilyurt 05/16/2022
Supervised By :Mahesh Dadoda 05/17/2022