

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039317.D
 Acq On : 16 Jun 2022 11:25
 Operator : SY/AP
 Sample : N3326-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 S V2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

Quant Time: Jun 16 12:39:03 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 0

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	1288705	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	3510349	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	3090311	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2256598	8.833	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	72455	0.320	ppbv	88
3) Chlorodifluoromethane	2.983	51	77276	0.471	ppbv	99
4) Chloromethane	3.134	50	55655	0.661	ppbv	99
7) Chloroethane	3.552	64	12221	0.445	ppbv	98
9) Propene	3.015	41	1175718m	16.444	ppbv	
11) Trichlorofluoromethane	3.944	101	128128	0.625	ppbv	99
13) Ethanol	3.591	45	77022	19.753	ppbv #	100
15) Acetone	3.835	43	5128808	38.206	ppbv	97
17) tert-Butyl alcohol	4.279	59	219153	2.105	ppbv #	94
19) Isopropyl Alcohol	3.957	45	64218	1.020	ppbv #	93
20) Methylene Chloride	4.337	84	68253	1.206	ppbv	92
26) Hexane	5.674	57	620264	4.665	ppbv #	33
27) Carbon Disulfide	4.546	76	87497	0.635	ppbv #	86
29) Chloroform	5.735	83	112027	0.501	ppbv	93
30) Cyclohexane	7.118	84	113446	1.016	ppbv	92
32) 1,1,1-Trichloroethane	6.494	97	118803	0.543	ppbv	98
34) 2-Butanone	5.230	43	200262	1.050	ppbv #	90
36) Benzene	6.873	78	72552m	0.255	ppbv	
41) Tetrahydrofuran	6.044	42	23867m	0.208	ppbv	
52) Tetrachloroethene	11.198	164	79061m	0.711	ppbv	

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

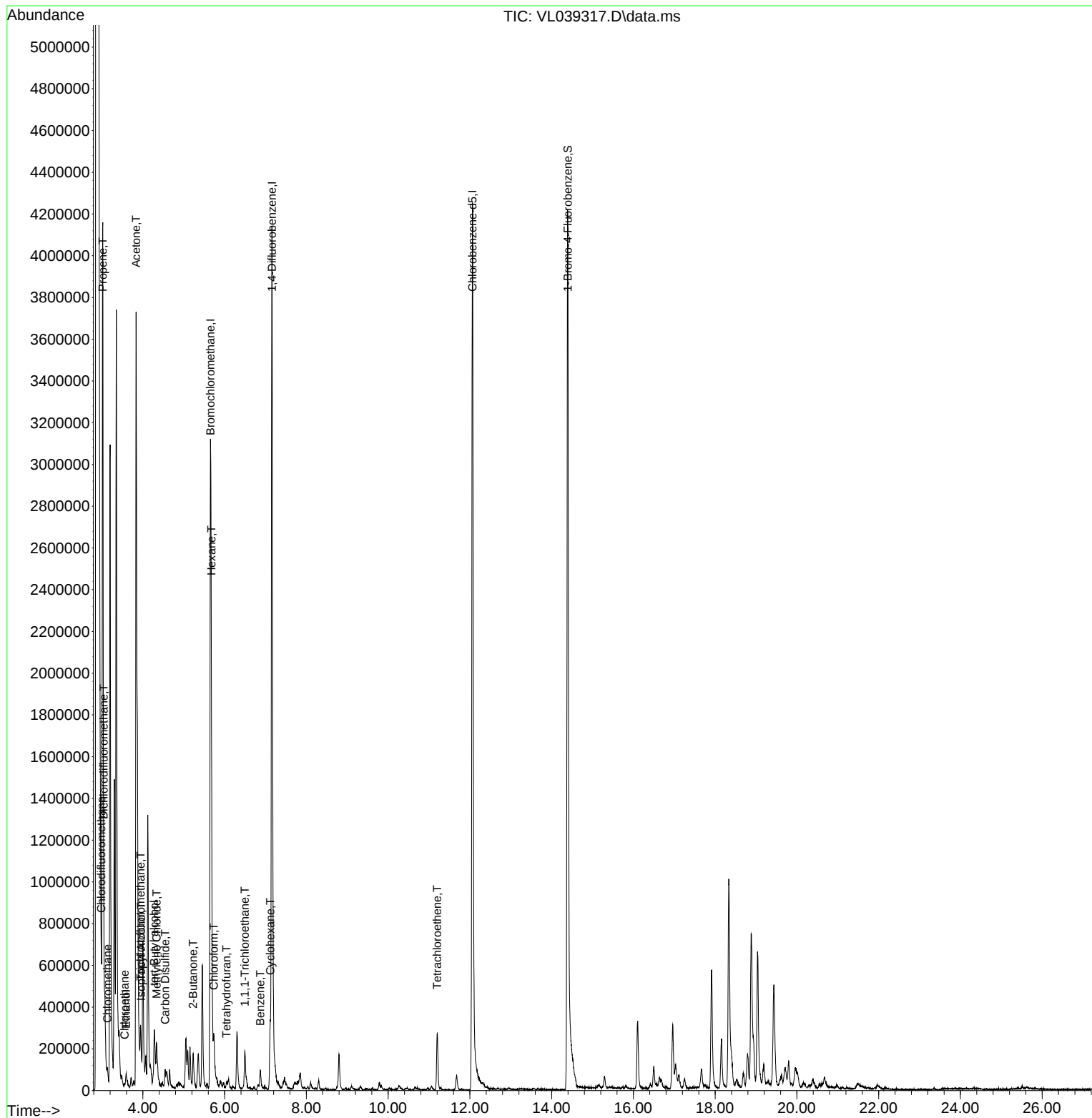
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039317.D
Acq On : 16 Jun 2022 11:25
Operator : SY/AP
Sample : N3326-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

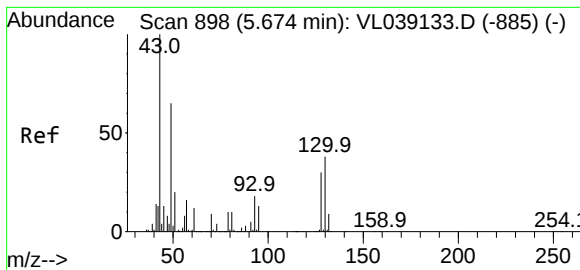
Instrument :
MSVOA_L
ClientSampleId :
S V2

Quant Time: Jun 16 12:39:03 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

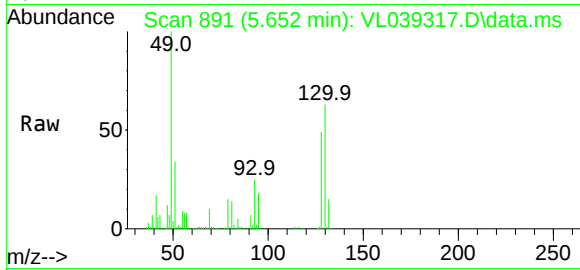
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.022 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

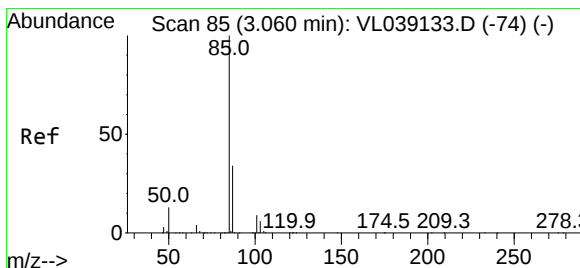
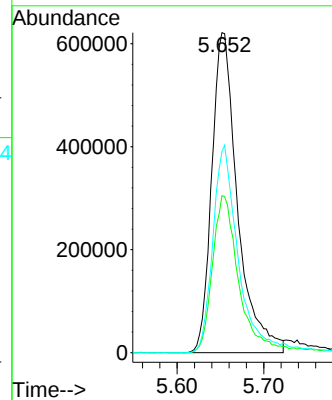
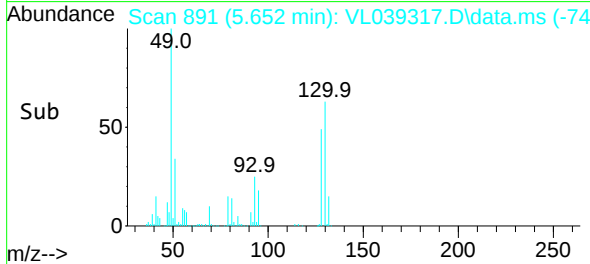
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 128870
Ion Ratio Lower Upper
49 100
128 51.2 24.7 74.1
130 66.4 31.4 94.0

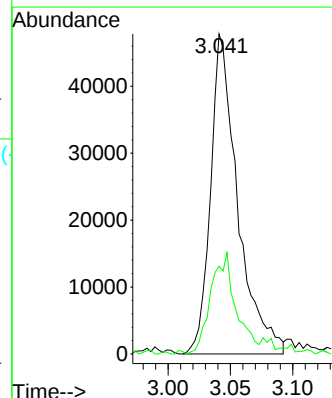
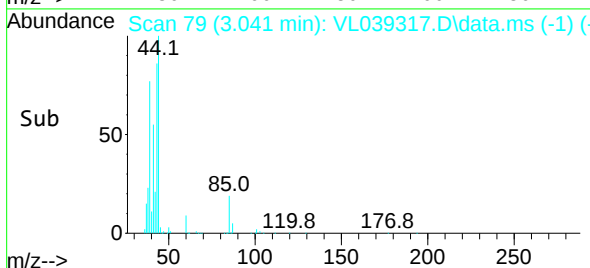
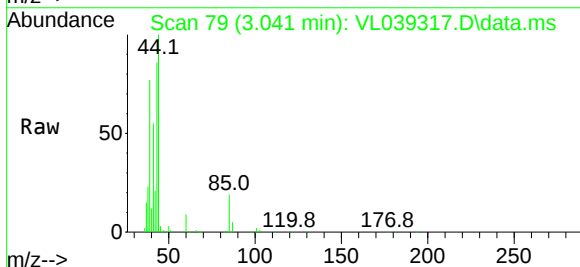
Manual Integrations
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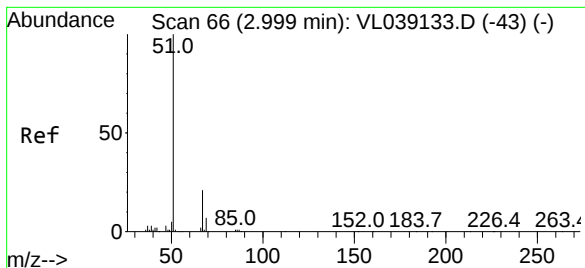
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#2
Dichlorodifluoromethane
Concen: 0.320 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

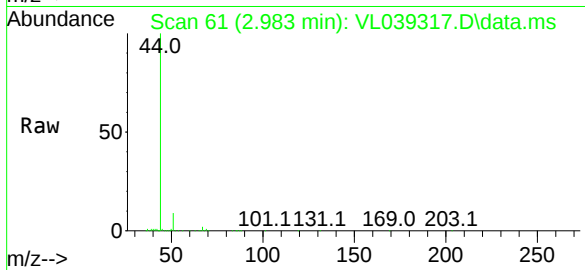
Tgt Ion: 85 Resp: 72455
Ion Ratio Lower Upper
85 100
87 26.9 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.471 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

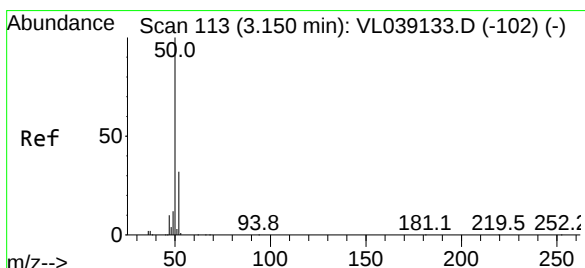
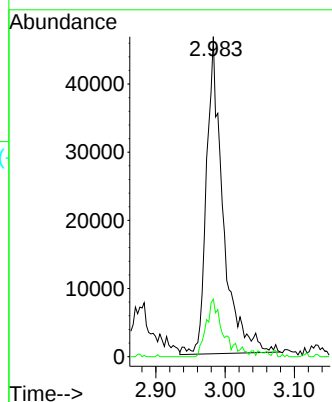
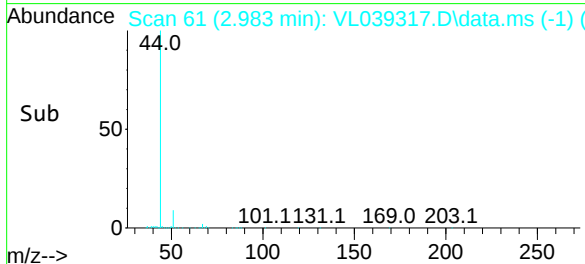
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 51 Resp: 77270
Ion Ratio Lower Upper
51 100
67 20.6 16.2 24.4

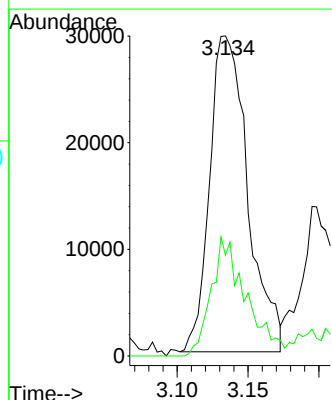
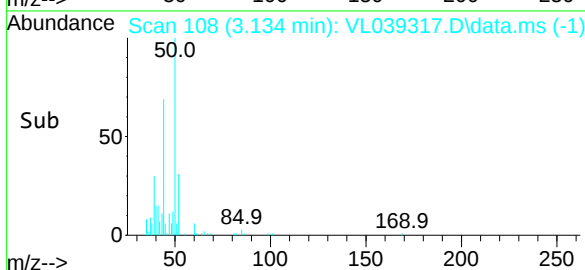
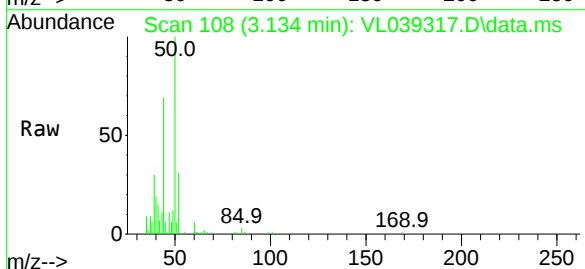
Manual Integrations
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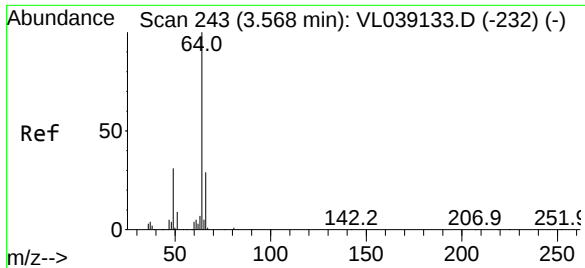
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#4
Chloromethane
Concen: 0.661 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.016 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

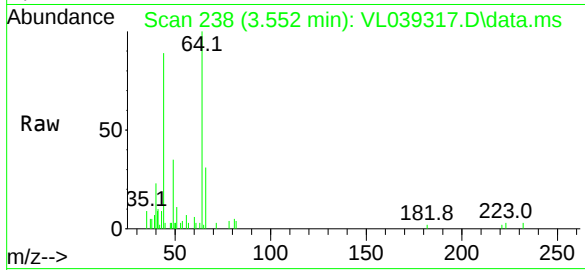
Tgt Ion: 50 Resp: 55655
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9





#7
Chloroethane
Concen: 0.445 ppbv
RT: 3.552 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

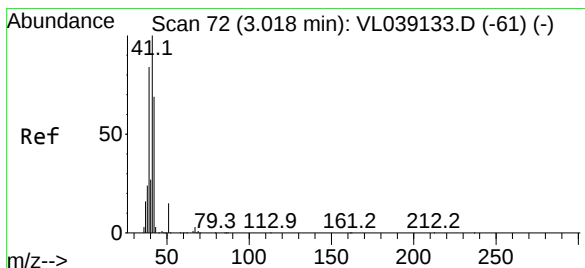
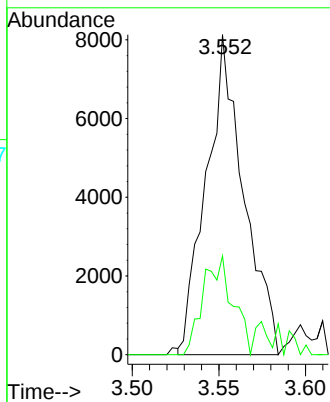
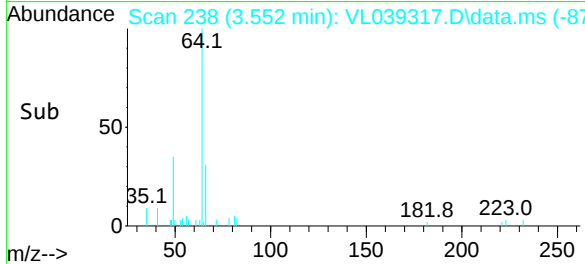
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 64 Resp: 1222
Ion Ratio Lower Upper
64 100
66 30.8 23.6 35.4

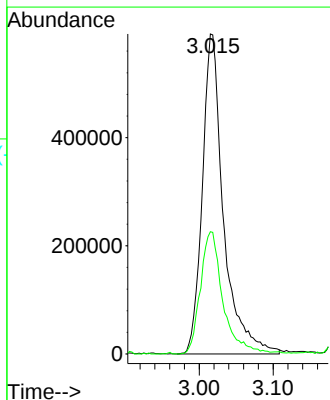
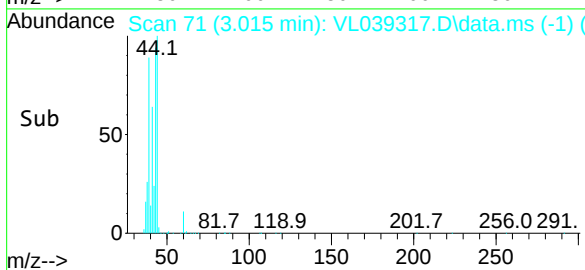
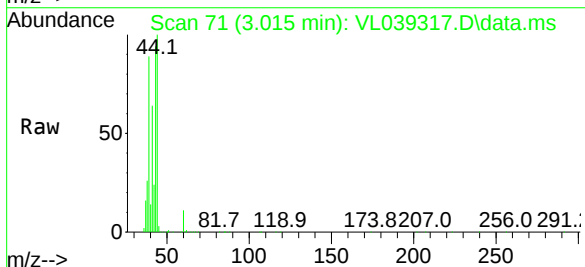
Manual Integrations
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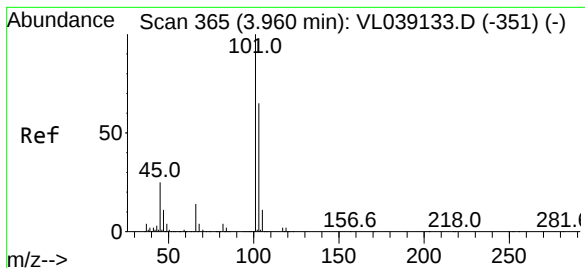
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#9
Propene
Concen: 16.444 ppbv m
RT: 3.015 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

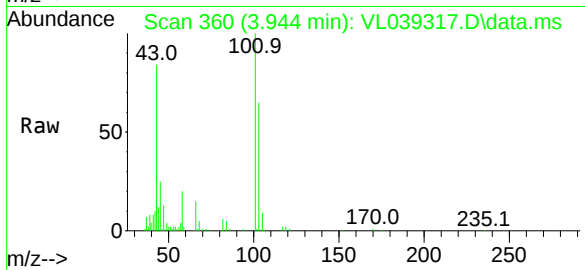
Tgt Ion: 41 Resp: 1175718
Ion Ratio Lower Upper
41 100
42 60.7 55.4 83.2





#11
Trichlorofluoromethane
Concen: 0.625 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

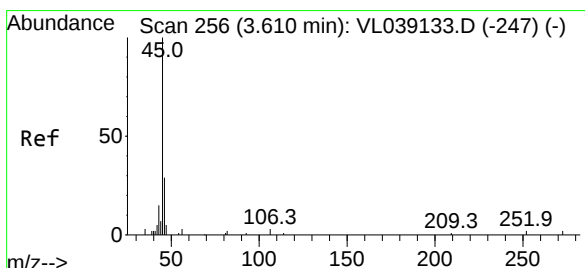
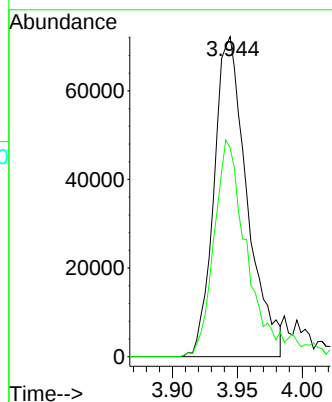
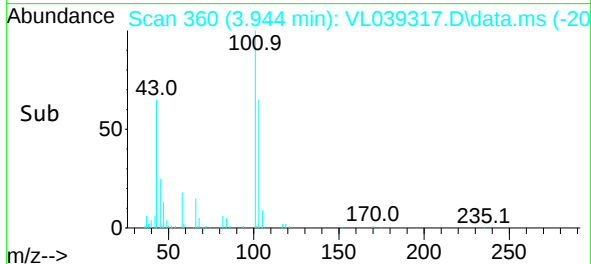
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:101 Resp: 128128
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

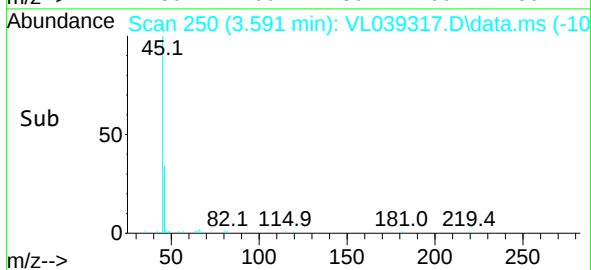
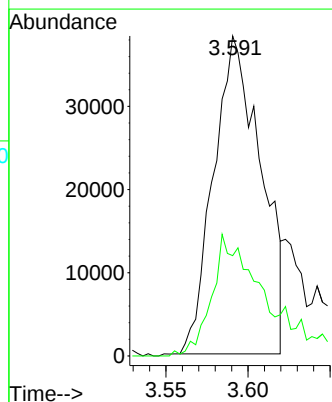
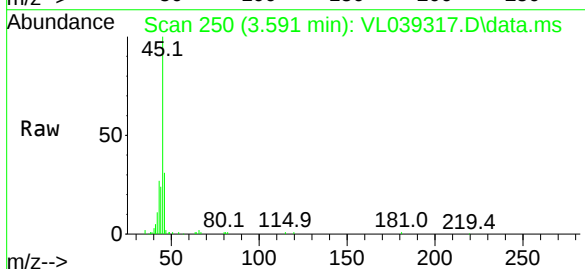
Manual Integrations
APPROVED

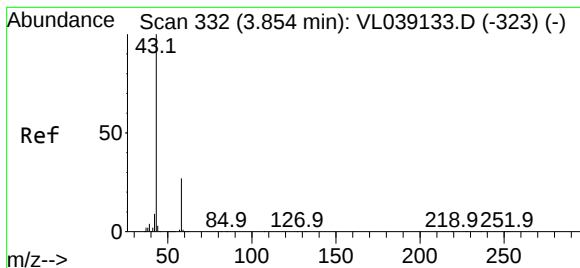
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#13
Ethanol
Concen: 19.753 ppbv
RT: 3.591 min Scan# 250
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

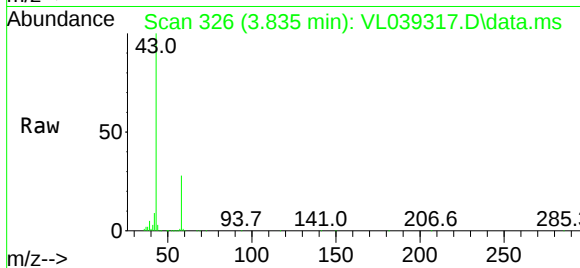
Tgt Ion: 45 Resp: 77022
Ion Ratio Lower Upper
45 100
46 45.4 0.0 0.0#





#15
Acetone
Concen: 38.206 ppbv
RT: 3.835 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

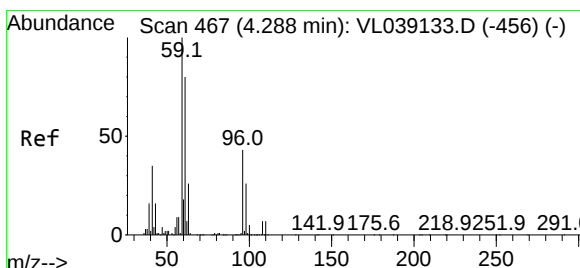
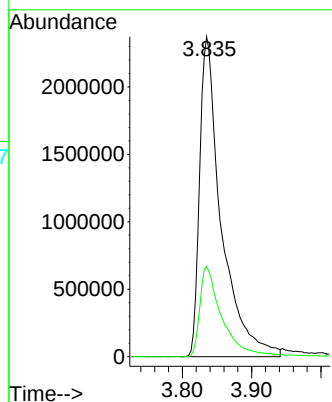
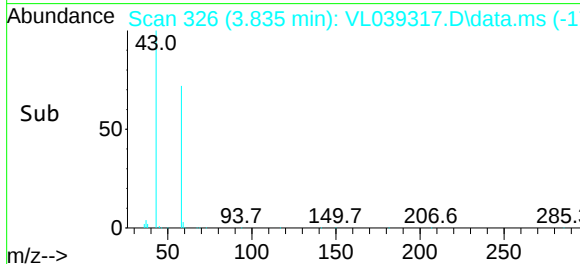
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 512880
Ion Ratio Lower Upper
43 100
58 29.5 22.5 33.7

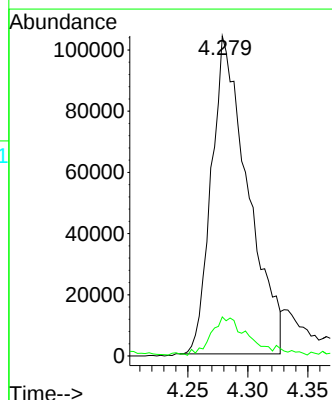
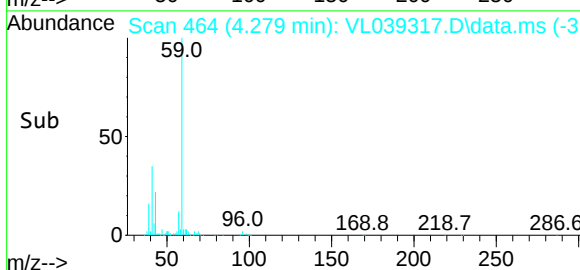
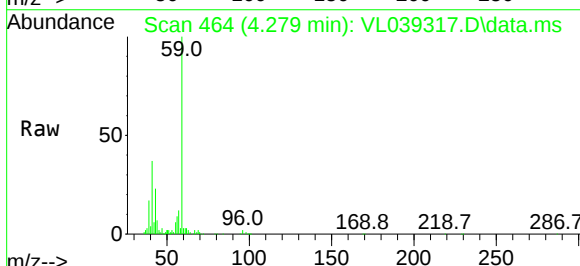
Manual Integrations
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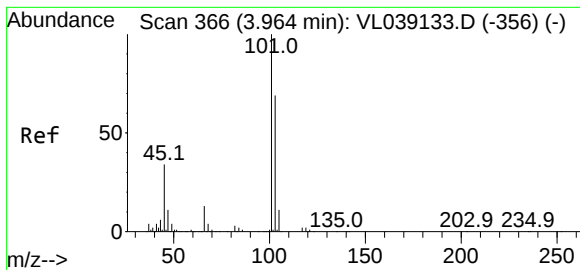
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#17
tert-Butyl alcohol
Concen: 2.105 ppbv
RT: 4.279 min Scan# 464
Delta R.T. -0.010 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

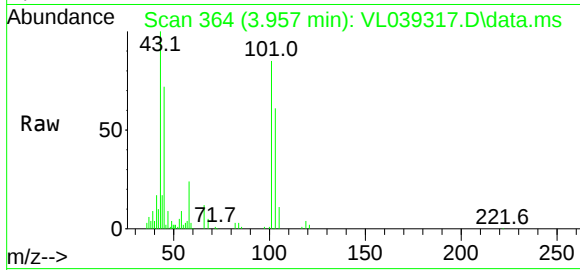
Tgt Ion: 59 Resp: 219153
Ion Ratio Lower Upper
59 100
57 13.8 9.1 13.7#





#19
Isopropyl Alcohol
Concen: 1.020 ppbv
RT: 3.957 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

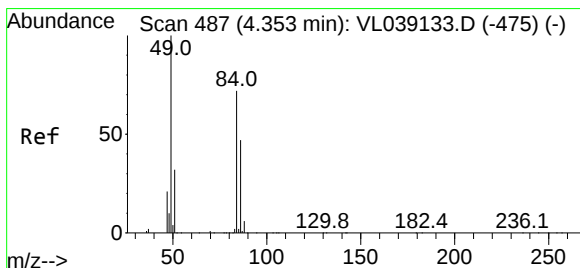
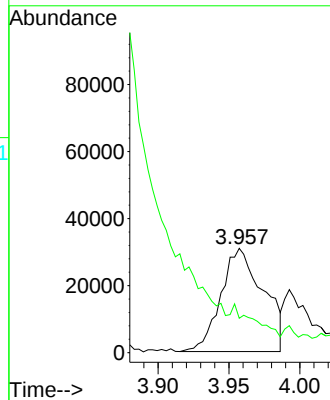
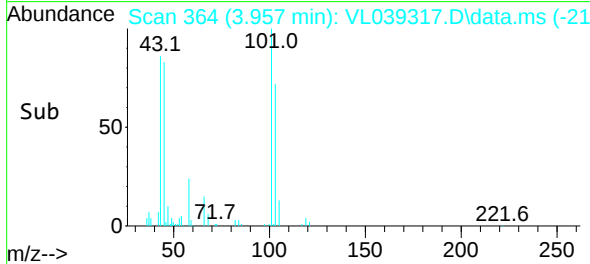
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 64218
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

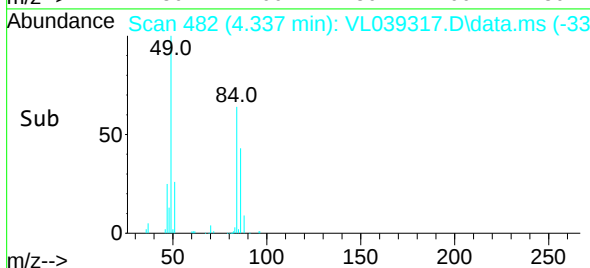
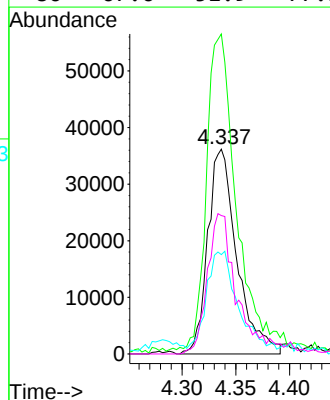
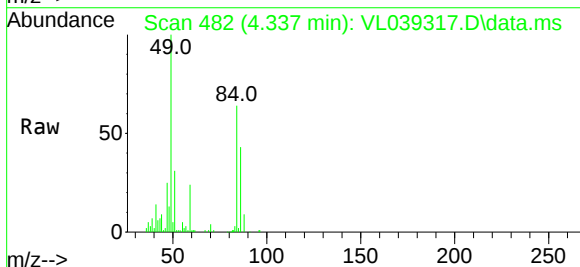
Manual Integrations
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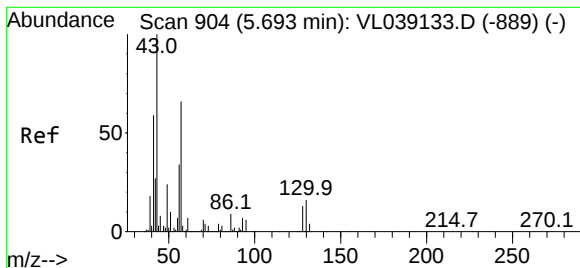
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#20
Methylene Chloride
Concen: 1.206 ppbv
RT: 4.337 min Scan# 482
Delta R.T. -0.016 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

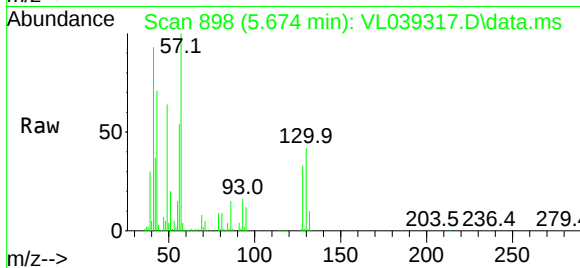
Tgt Ion: 84 Resp: 68253
Ion Ratio Lower Upper
84 100
49 153.0 111.1 166.7
51 45.3 35.3 52.9
86 67.6 51.9 77.9





#26
Hexane
Concen: 4.665 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

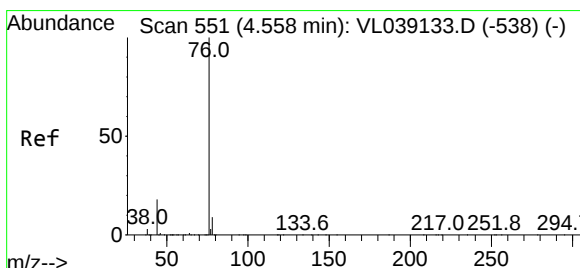
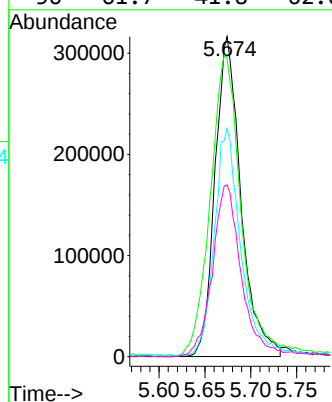
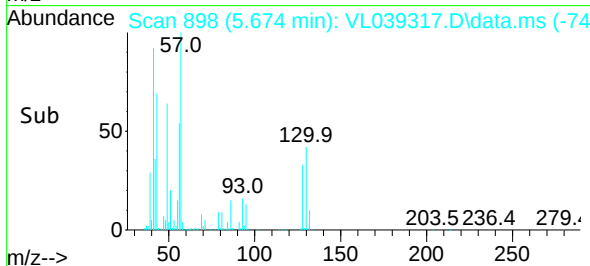
Instrument : MSVOA_L
ClientSampleId : S V2



Tgt Ion: 57 Resp: 620264
Ion Ratio Lower Upper
57 100
41 113.5 72.4 108.6
43 73.5 187.0 280.6
56 61.7 41.8 62.6

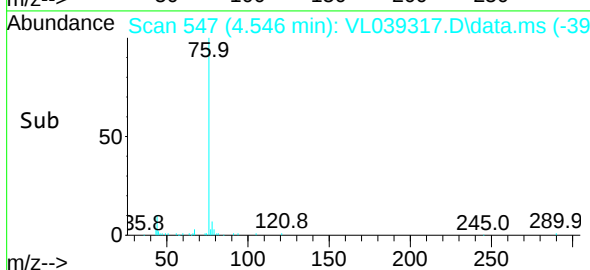
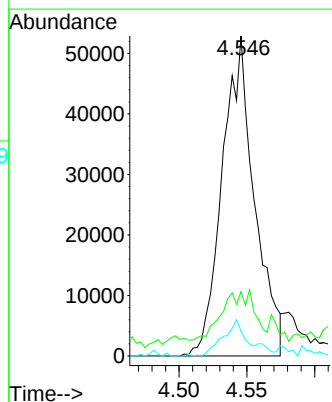
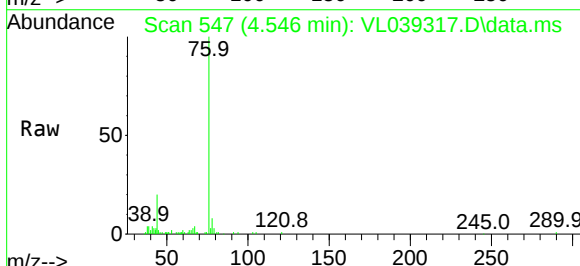
Manual Integrations
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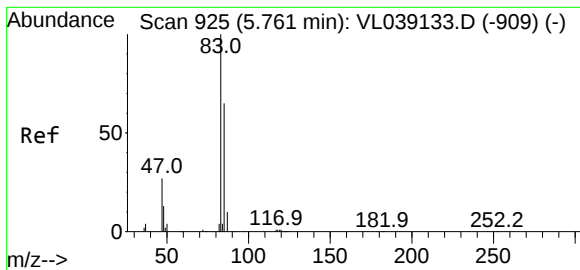
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#27
Carbon Disulfide
Concen: 0.635 ppbv
RT: 4.546 min Scan# 547
Delta R.T. -0.013 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

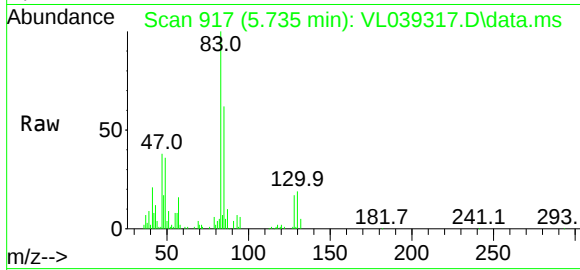
Tgt Ion: 76 Resp: 87497
Ion Ratio Lower Upper
76 100
44 27.3 14.4 21.6
78 10.0 7.7 11.5





#29
Chloroform
Concen: 0.501 ppbv
RT: 5.735 min Scan# 917
Delta R.T. -0.026 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

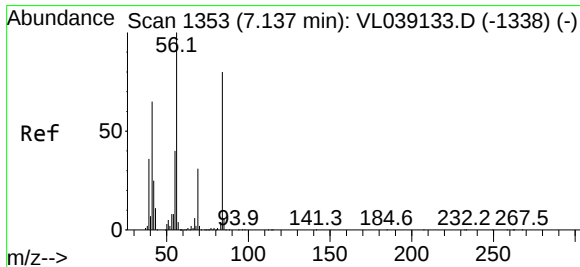
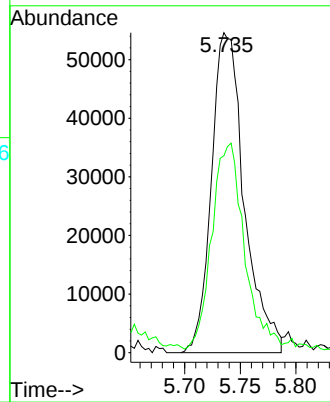
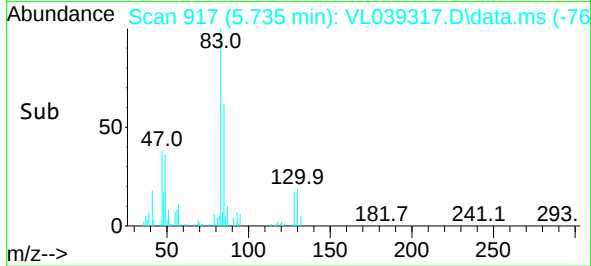
Instrument : MSVOA_L
ClientSampleId : S V2



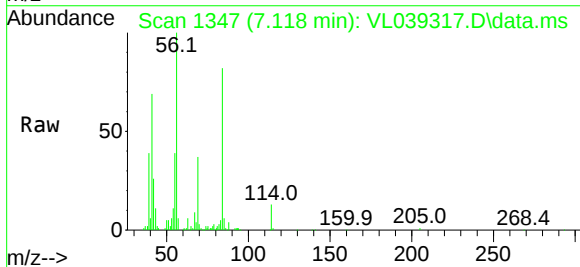
Tgt Ion: 83 Resp: 11202
Ion Ratio Lower Upper
83 100
85 59.8 52.4 78.6

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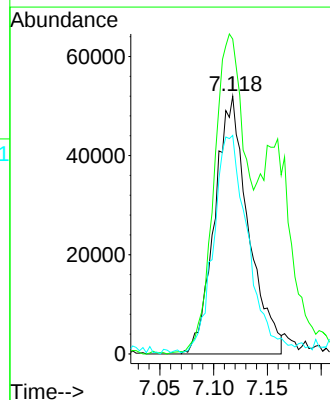
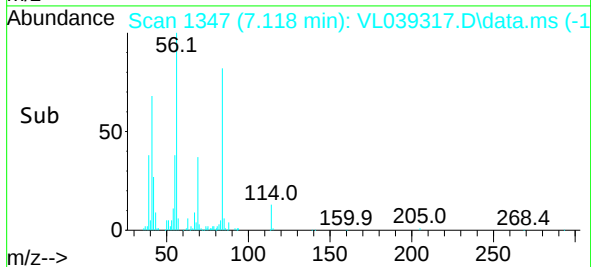
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022

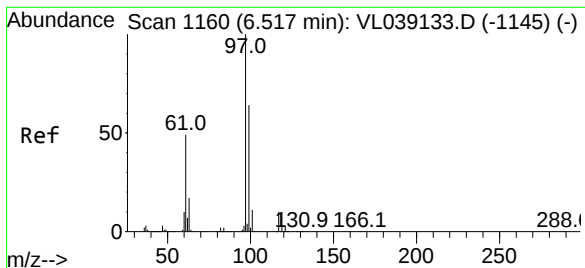


#30
Cyclohexane
Concen: 1.016 ppbv
RT: 7.118 min Scan# 1347
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25



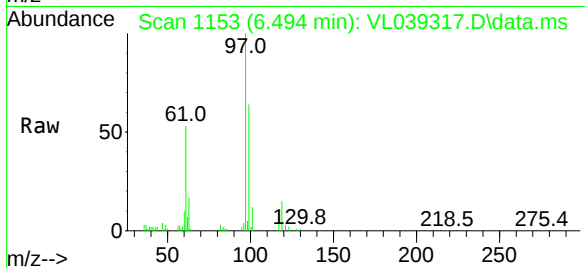
Tgt Ion: 84 Resp: 113446
Ion Ratio Lower Upper
84 100
56 122.7 110.6 165.8
41 85.9 68.9 103.3





#32
 1,1,1-Trichloroethane
 Concen: 0.543 ppbv
 RT: 6.494 min Scan# 1160
 Delta R.T. -0.022 min
 Lab File: VL039317.D
 Acq: 16 Jun 2022 11:25

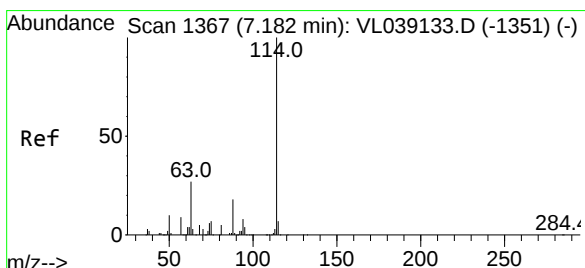
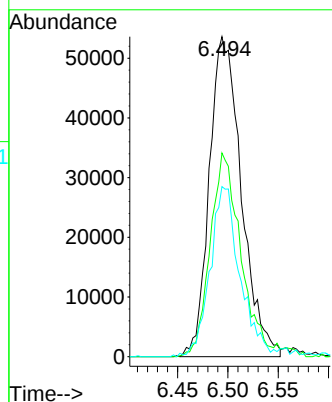
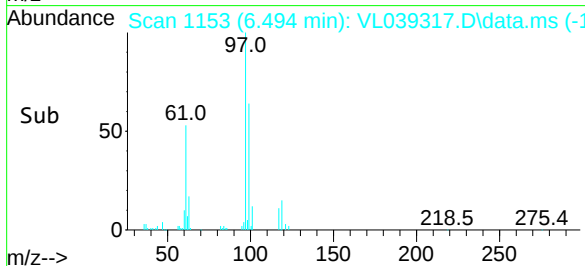
Instrument :
 MSVOA_L
 ClientSampleId :
 S V2



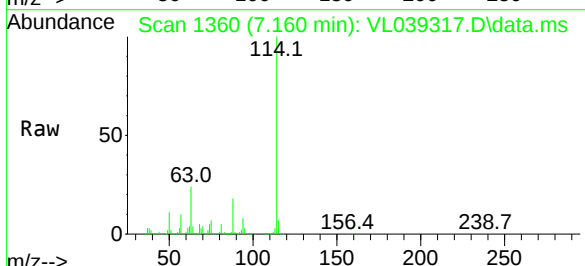
Tgt Ion: 97 Resp: 11880
 Ion Ratio Lower Upper
 97 100
 99 62.3 52.1 78.1
 61 50.6 40.0 60.0

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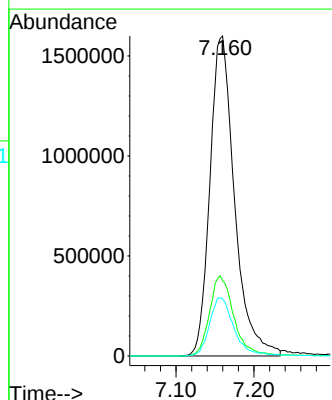
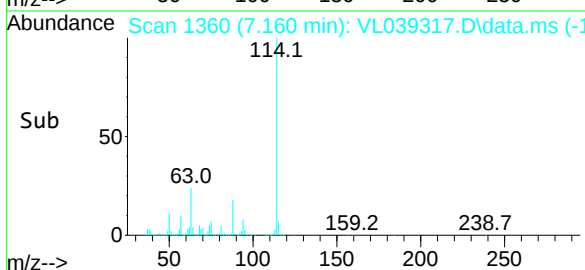
Reviewed By :Mahesh Dadoda 06/17/2022
 Supervised By :Semsettin Yesilyurt 06/17/2022

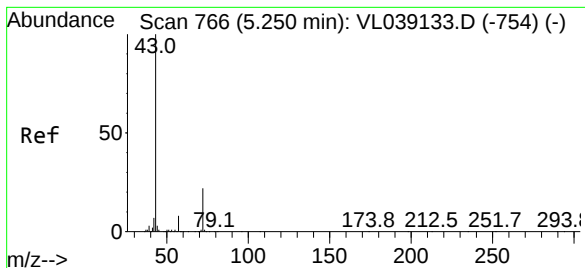


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.160 min Scan# 1360
 Delta R.T. -0.022 min
 Lab File: VL039317.D
 Acq: 16 Jun 2022 11:25



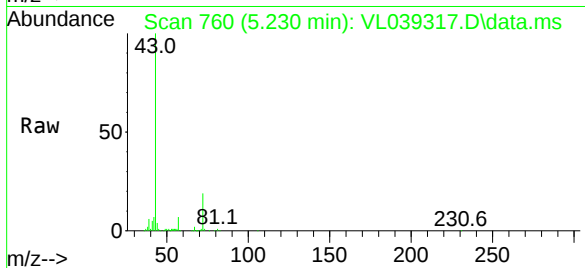
Tgt Ion:114 Resp: 3510349
 Ion Ratio Lower Upper
 114 100
 63 25.1 21.7 32.5
 88 18.3 14.8 22.2





#34
2-Butanone
Concen: 1.050 ppbv
RT: 5.230 min Scan# 70
Delta R.T. -0.019 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

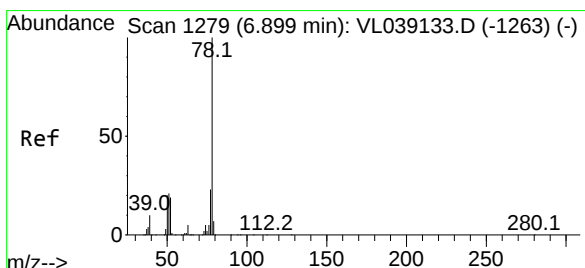
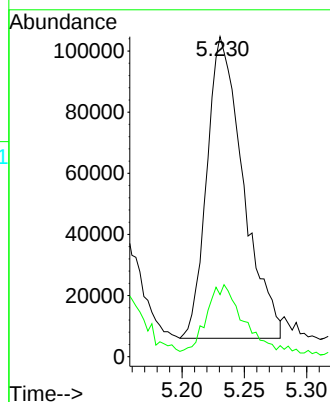
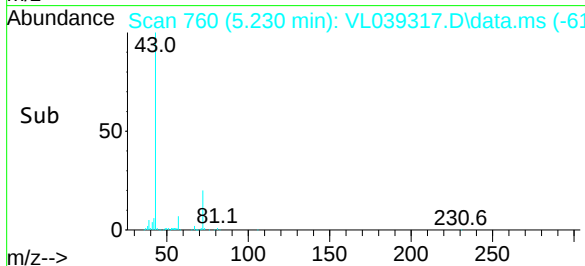
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 43 Resp: 200262
Ion Ratio Lower Upper
43 100
72 27.6 18.2 27.2

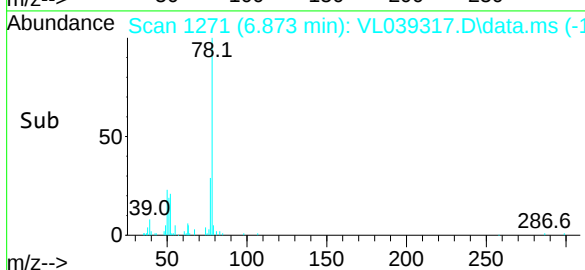
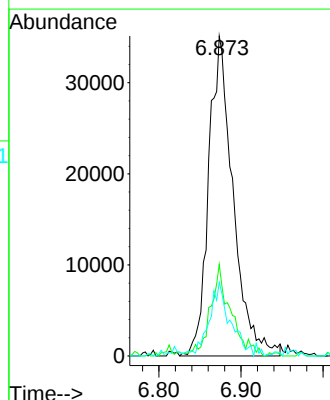
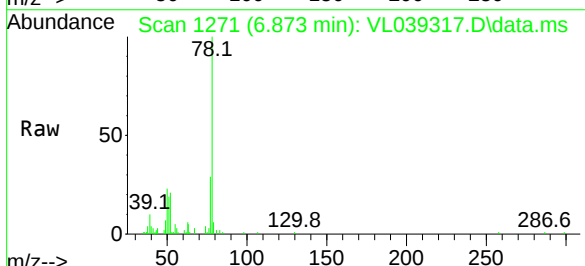
Manual Integrations
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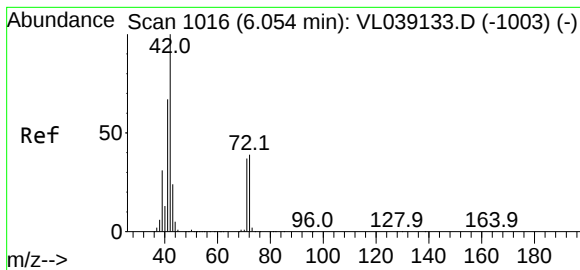
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#36
Benzene
Concen: 0.255 ppbv m
RT: 6.873 min Scan# 1271
Delta R.T. -0.026 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

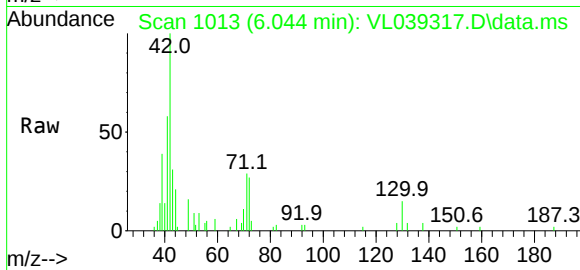
Tgt Ion: 78 Resp: 72552
Ion Ratio Lower Upper
78 100
77 28.6 18.6 27.8#
50 23.0 15.8 23.8





#41
Tetrahydrofuran
Concen: 0.208 ppbv m
RT: 6.044 min Scan# 1016
Delta R.T. -0.010 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

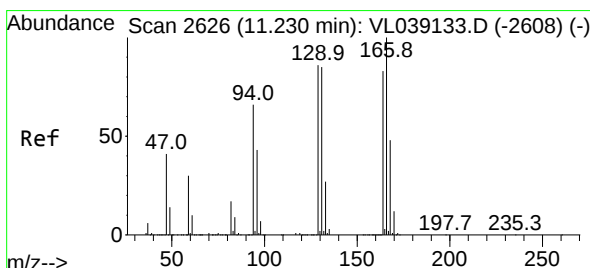
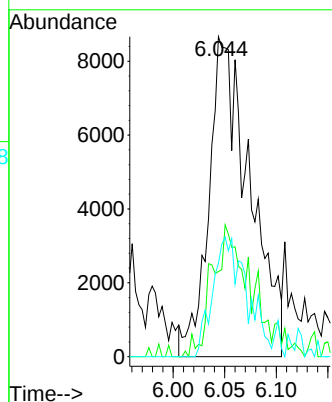
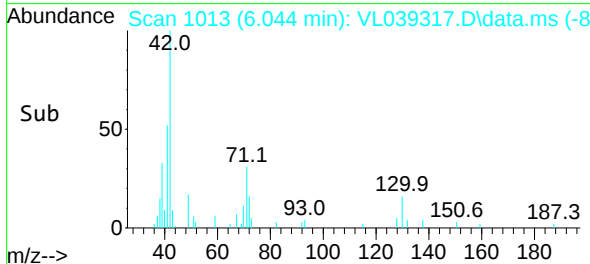
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 42 Resp: 2386
Ion Ratio Lower Upper
42 100
72 41.6 32.0 48.0
71 32.7 31.1 46.7

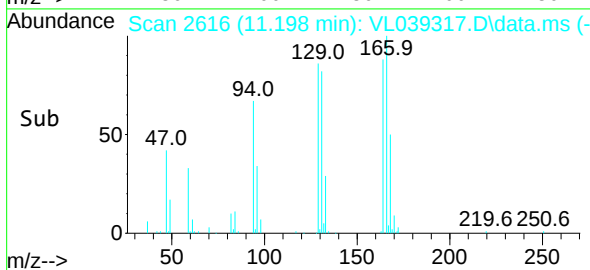
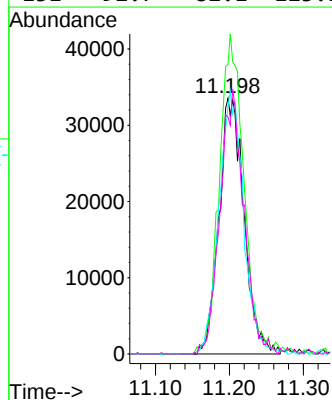
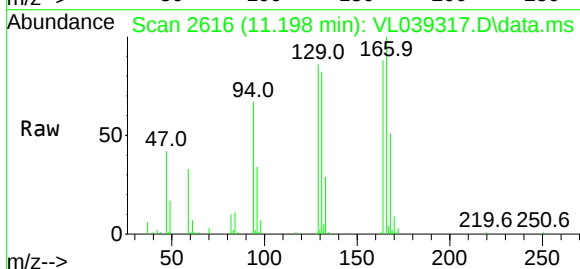
Manual Integrations
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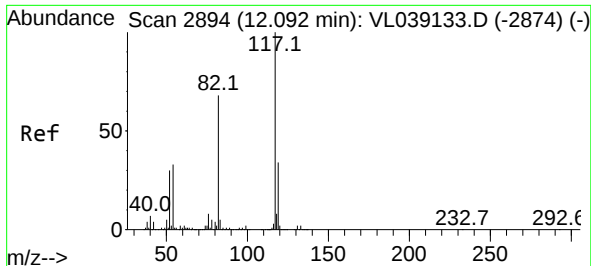
Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#52
Tetrachloroethene
Concen: 0.711 ppbv m
RT: 11.198 min Scan# 2616
Delta R.T. -0.032 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

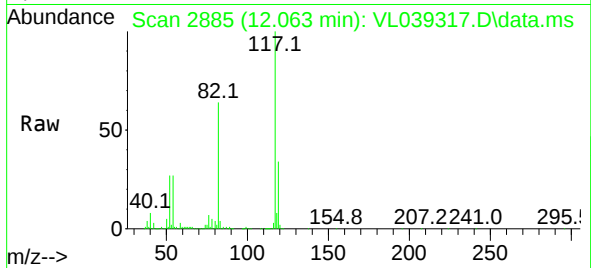
Tgt Ion:164 Resp: 79061
Ion Ratio Lower Upper
164 100
166 113.3 96.3 144.5
129 97.2 82.5 123.7
131 92.7 82.1 123.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25

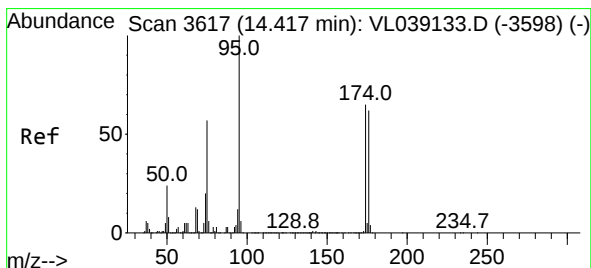
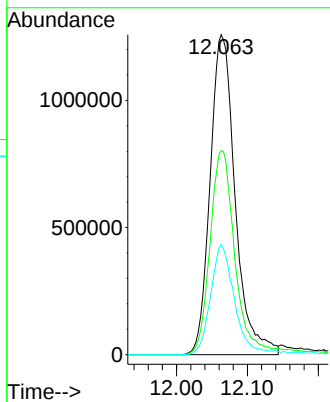
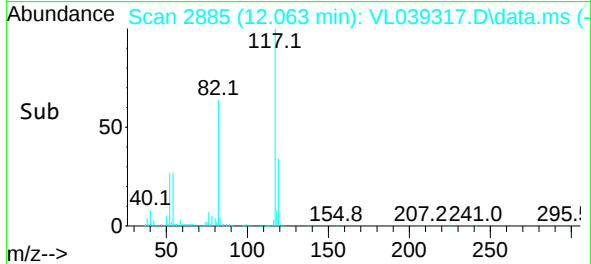
Instrument :
MSVOA_L
ClientSampleId :
SV2



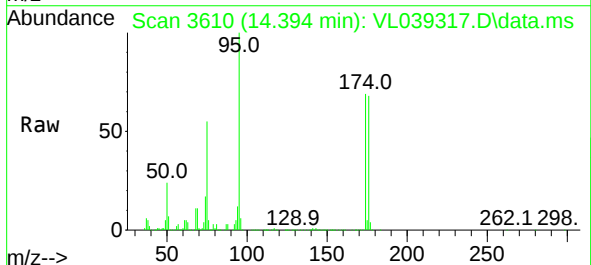
Tgt Ion: 117 Resp: 309031
Ion Ratio Lower Upper
117 100
82 66.8 55.1 82.7
119 33.8 24.7 37.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 06/17/2022
Supervised By :Semsettin Yesilyurt 06/17/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 8.833 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.022 min
Lab File: VL039317.D
Acq: 16 Jun 2022 11:25



Tgt Ion: 95 Resp: 2256598
Ion Ratio Lower Upper
95 100
174 75.4 53.8 80.8
175 5.7 4.1 6.1

