

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039608.D
 Acq On : 31 Aug 2022 14:45
 Operator : SY/AP
 Sample : N4408-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFF-082222

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022
 Supervised By :Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:45:14 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 2022

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	942248	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2366194	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2027880	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1485583	9.710	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	59102	0.471	ppbv	96
4) Chloromethane	2.838	50	13353	0.197	ppbv	91
9) Propene	2.732	41	23042	0.449	ppbv #	71
11) Trichlorofluoromethane	3.591	101	40802	0.296	ppbv	96
13) Ethanol	3.269	45	82338	22.304	ppbv	71
15) Acetone	3.494	43	972018	9.209	ppbv	96
19) Isopropyl Alcohol	3.616	45	65789m	1.281	ppbv	
20) Methylene Chloride	3.960	84	1427793	33.297	ppbv	97
26) Hexane	5.237	57	656640	7.124	ppbv #	40
29) Chloroform	5.295	83	24452m	0.170	ppbv	
30) Cyclohexane	6.623	84	15570m	0.204	ppbv	
31) cis-1,2-Dichloroethene	5.105	61	418241	4.685	ppbv	99
32) 1,1,1-Trichloroethane	6.025	97	91320m	0.720	ppbv	
34) 2-Butanone	4.816	43	168945	1.436	ppbv	97
35) Carbon Tetrachloride	6.523	117	6113m	0.048	ppbv	
36) Benzene	6.391	78	21112m	0.117	ppbv	
38) Trichloroethene	7.307	130	1253727m	12.973	ppbv	
52) Tetrachloroethene	10.635	164	333697	4.890	ppbv	88
53) Toluene	9.240	91	127391m	0.631	ppbv	
59) m/p-Xylene	12.362	91	46819m	0.224	ppbv	
60) o-Xylene	13.073	91	23100m	0.115	ppbv	

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

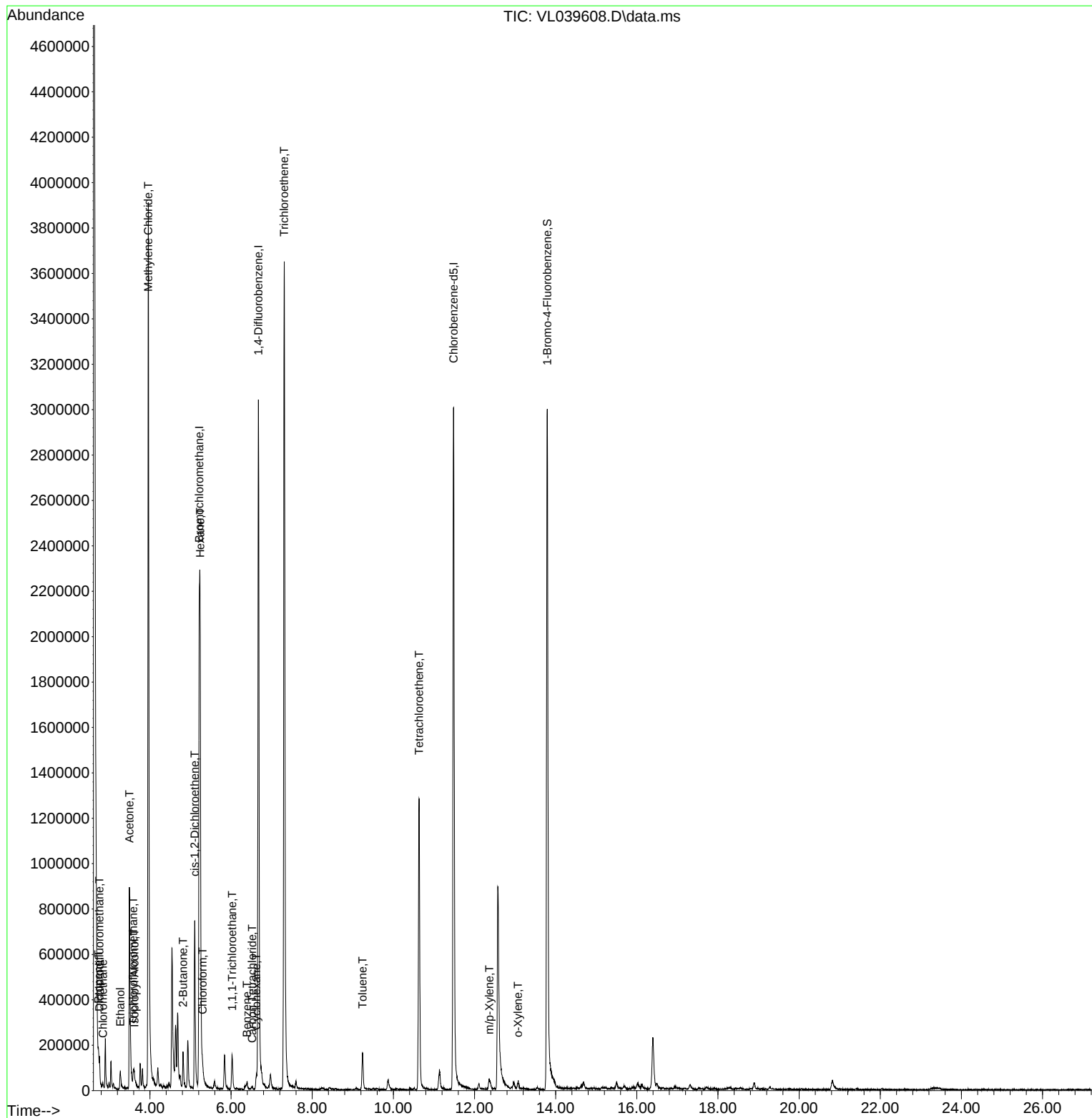
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
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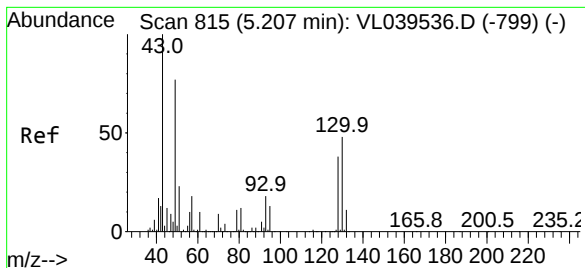
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222

Quant Time: Aug 31 23:45:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

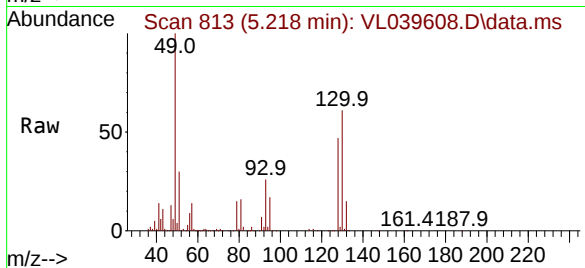
Reviewed By : Semsettin Yesilyurt 09/01/2022
Supervised By : Mahesh Dadoda 09/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 815
Delta R.T. 0.010 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

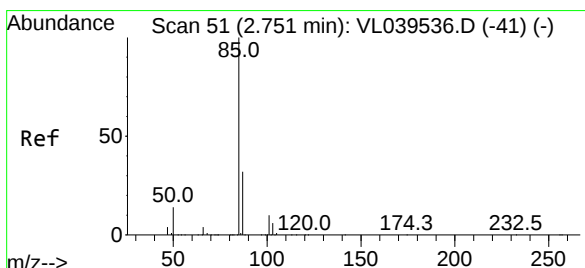
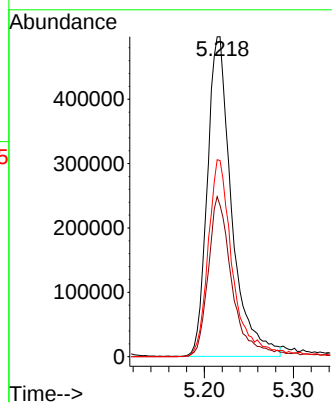
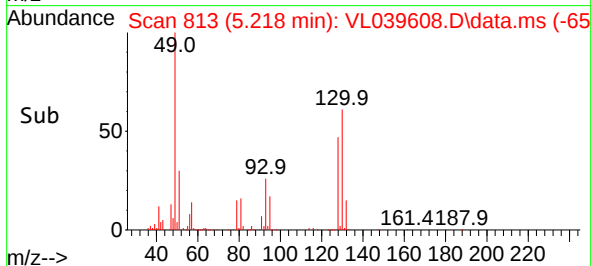
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion: 49 Resp: 942248
Ion Ratio Lower Upper
49 100
128 50.2 26.7 80.0
130 63.0 34.3 102.8

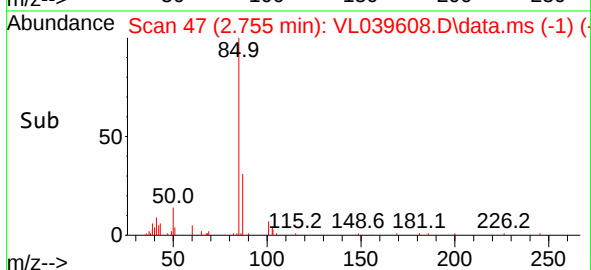
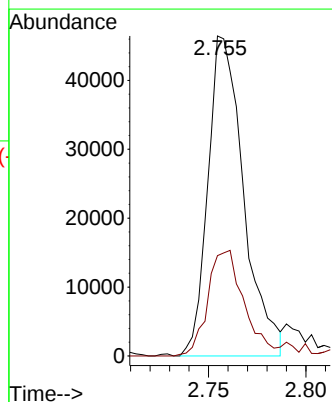
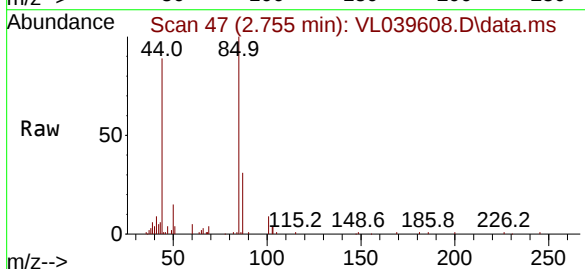
Manual Integrations
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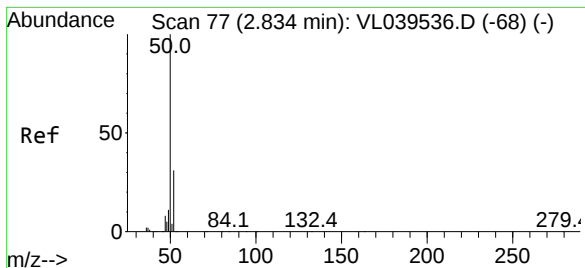
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#2
Dichlorodifluoromethane
Concen: 0.471 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

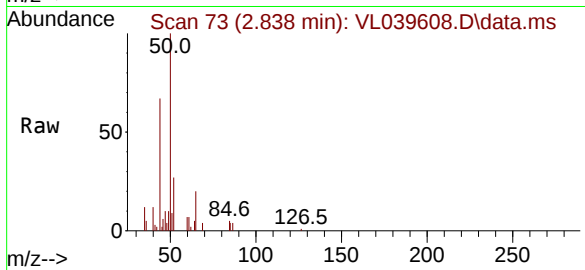
Tgt Ion: 85 Resp: 59102
Ion Ratio Lower Upper
85 100
87 30.8 26.7 40.1





#4
Chloromethane
Concen: 0.197 ppbv
RT: 2.838 min Scan# 77
Delta R.T. 0.004 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

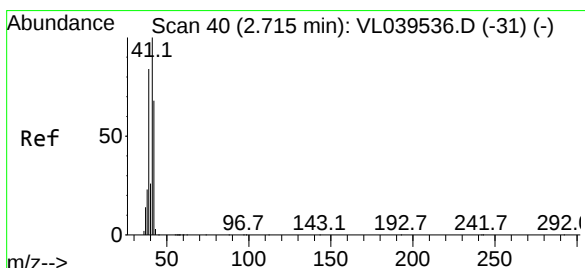
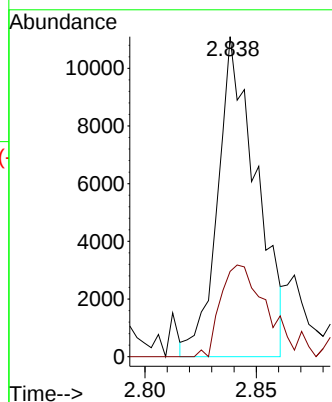
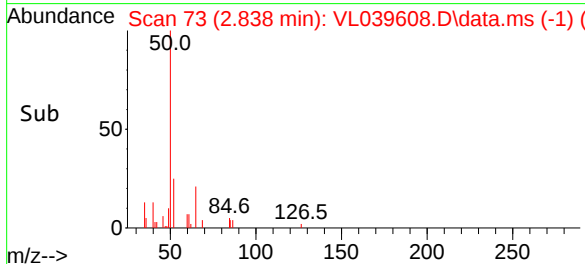
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion: 50 Resp: 1335
Ion Ratio Lower Upper
50 100
52 27.9 26.5 39.7

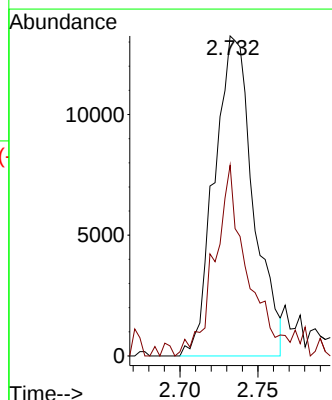
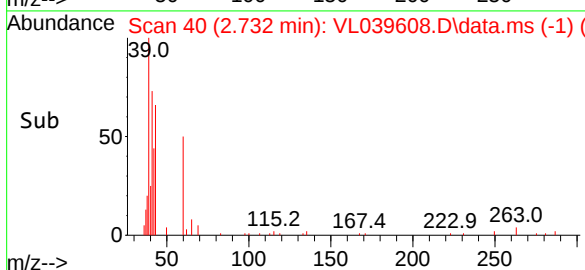
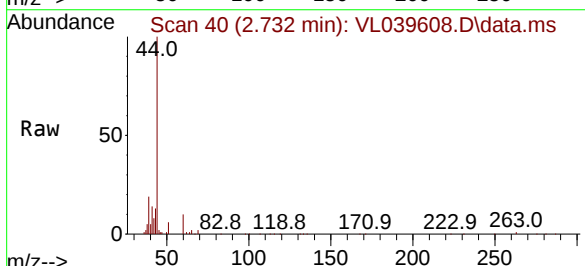
Manual Integrations
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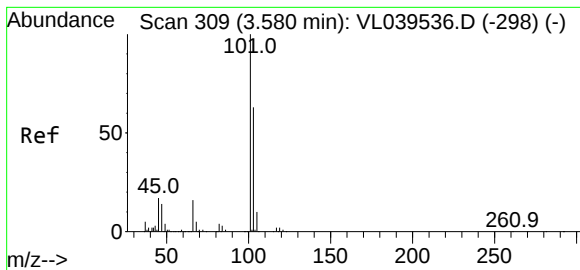
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#9
Propene
Concen: 0.449 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.017 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

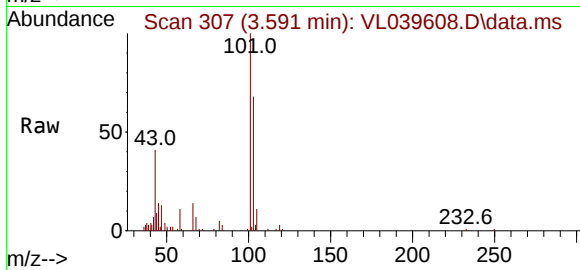
Tgt Ion: 41 Resp: 23042
Ion Ratio Lower Upper
41 100
42 45.0 55.2 82.8#





#11
Trichlorofluoromethane
Concen: 0.296 ppbv
RT: 3.591 min Scan# 309
Delta R.T. 0.010 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

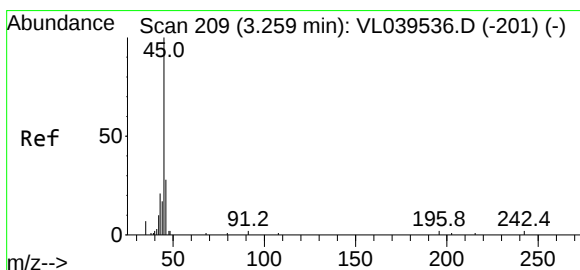
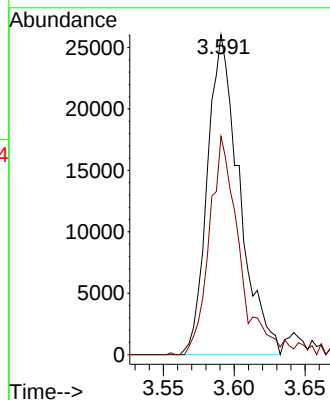
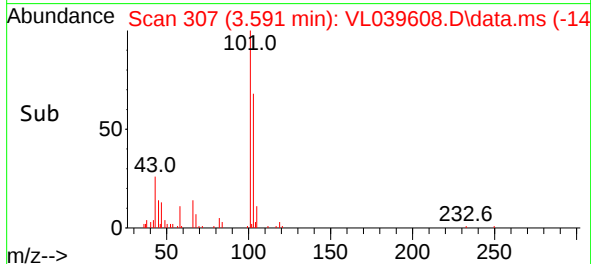
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion:101 Resp: 4080
Ion Ratio Lower Upper
101 100
103 68.2 51.8 77.8

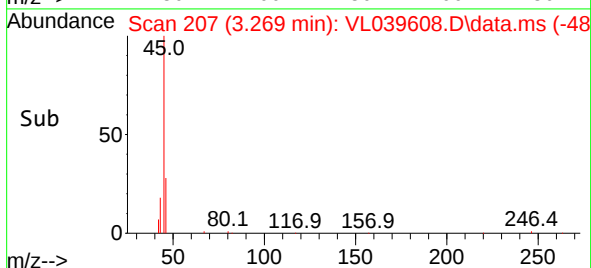
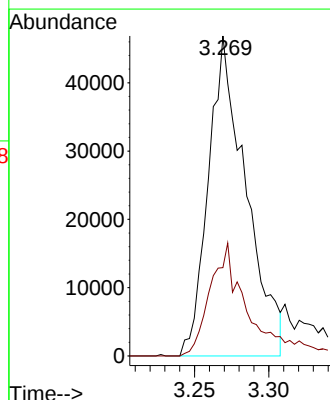
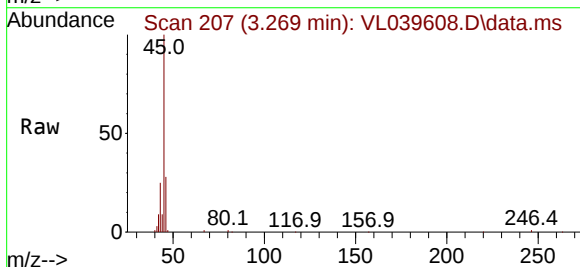
Manual Integrations
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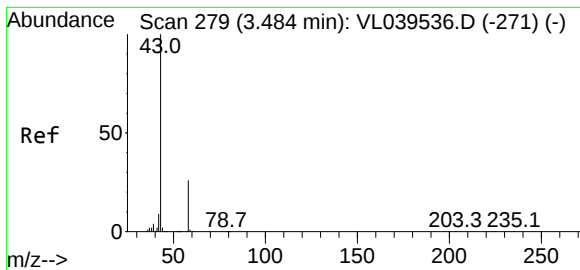
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#13
Ethanol
Concen: 22.304 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.010 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

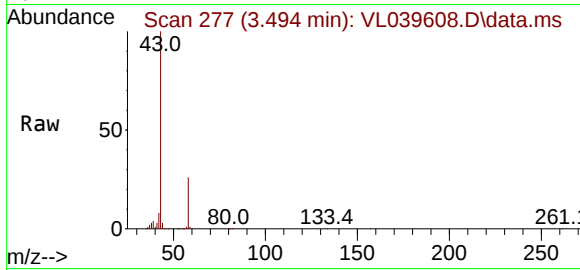
Tgt Ion: 45 Resp: 82338
Ion Ratio Lower Upper
45 100
46 35.9 22.8 91.2





#15
Acetone
Concen: 9.209 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

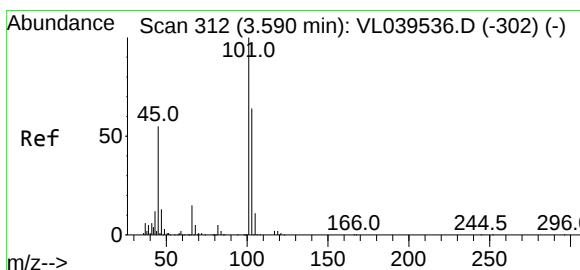
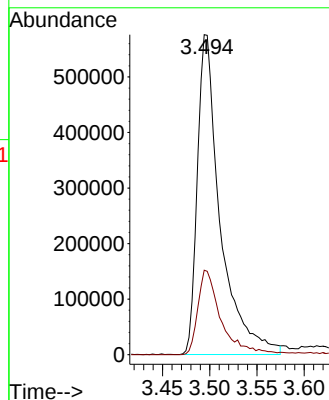
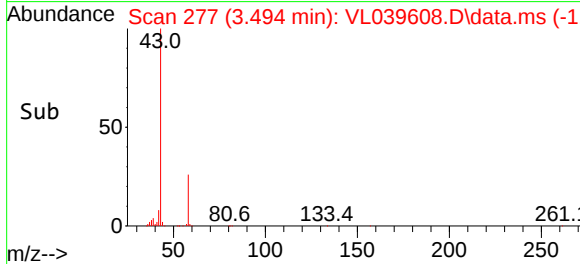
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion: 43 Resp: 972018
Ion Ratio Lower Upper
43 100
58 28.2 21.0 31.6

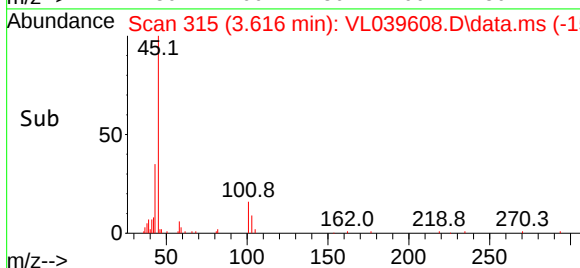
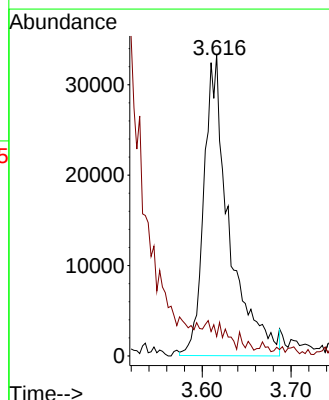
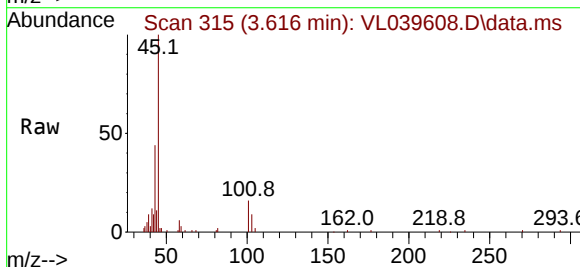
Manual Integrations
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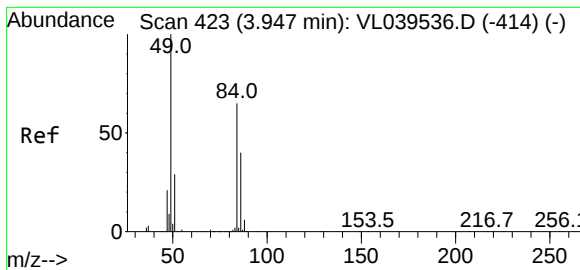
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#19
Isopropyl Alcohol
Concen: 1.281 ppbv m
RT: 3.616 min Scan# 315
Delta R.T. 0.026 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

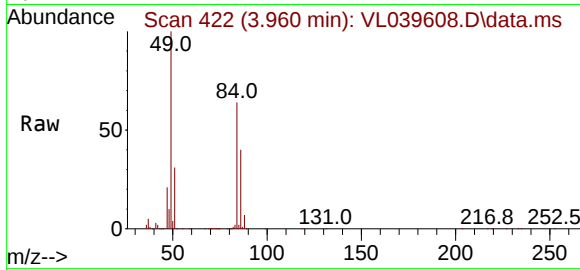
Tgt Ion: 45 Resp: 65789
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#





#20
Methylene Chloride
Concen: 33.297 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222

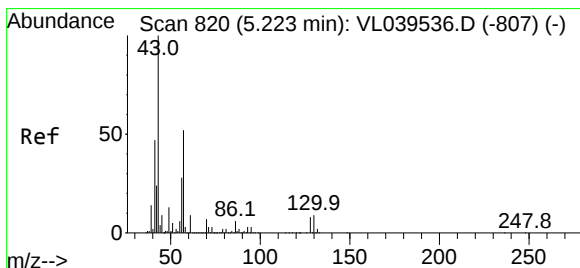
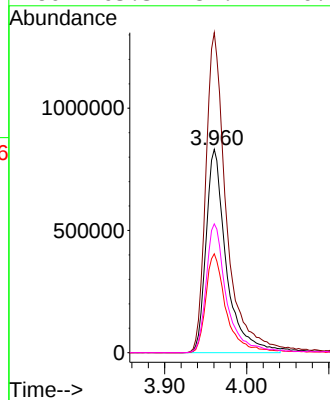
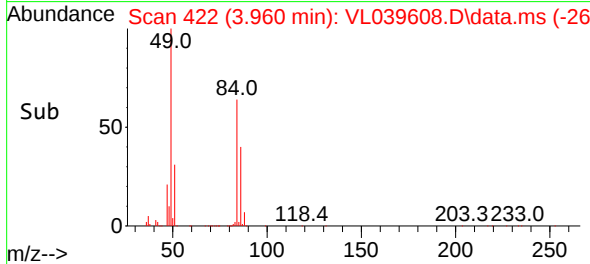


Tgt Ion: 84 Resp: 142779

Ion	Ratio	Lower	Upper
84	100		
49	157.4	123.1	184.7
51	48.6	34.4	51.6
86	63.3	51.1	76.7

Manual Integrations
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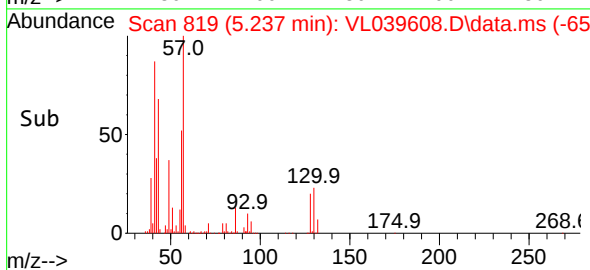
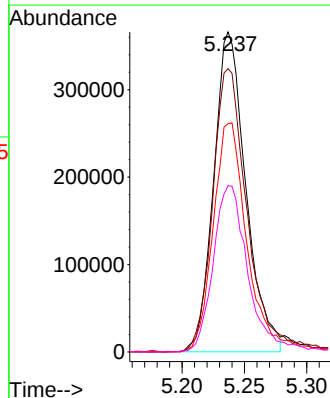
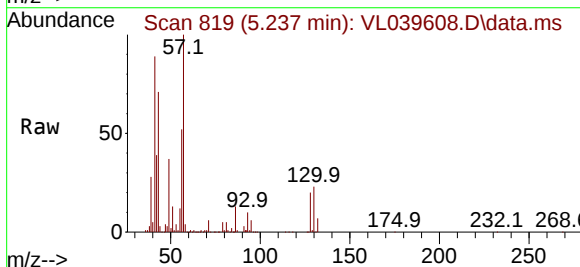
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

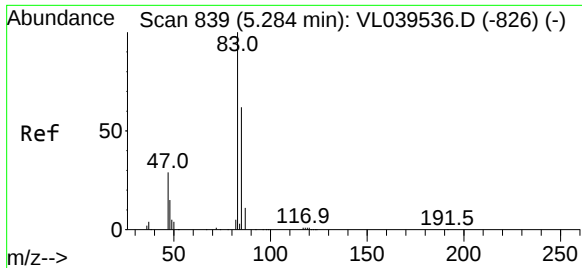


#26
Hexane
Concen: 7.124 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Tgt Ion: 57 Resp: 656640

Ion	Ratio	Lower	Upper
57	100		
41	96.8	76.9	115.3
43	76.8	191.0	286.6#
56	57.3	43.2	64.8





#29

Chloroform

Concen: 0.170 ppbv m

RT: 5.295 min Scan# 839

Delta R.T. 0.010 min

Lab File: VL039608.D

Acq: 31 Aug 2022 14:45

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFF-082222

Tgt Ion: 83 Resp: 2445

Ion Ratio Lower Upper

83 100

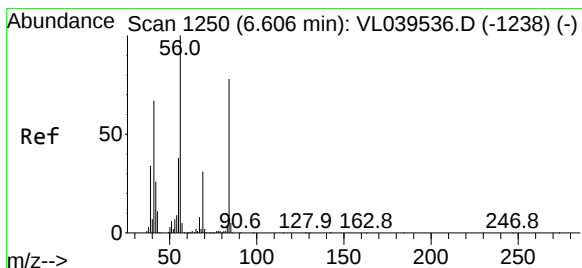
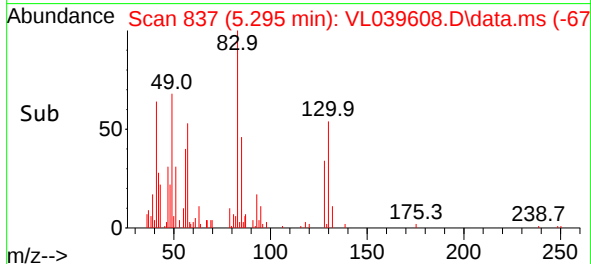
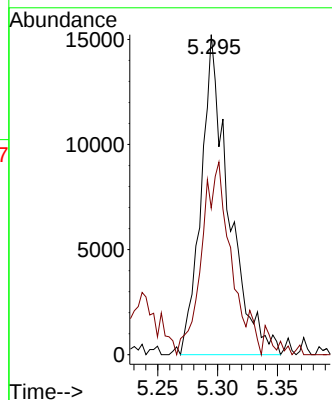
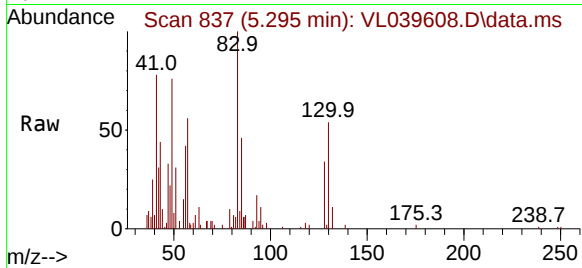
85 45.8 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022

Supervised By :Mahesh Dadoda 09/02/2022



#30

Cyclohexane

Concen: 0.204 ppbv m

RT: 6.623 min Scan# 1250

Delta R.T. 0.017 min

Lab File: VL039608.D

Acq: 31 Aug 2022 14:45

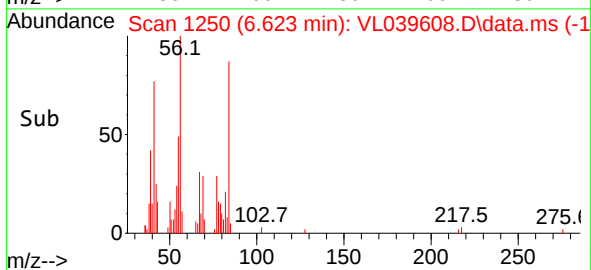
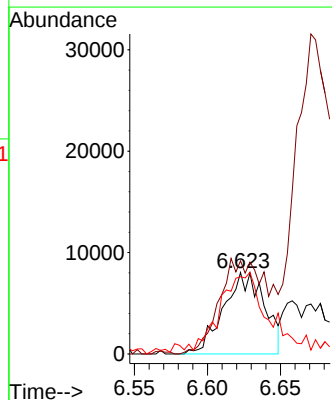
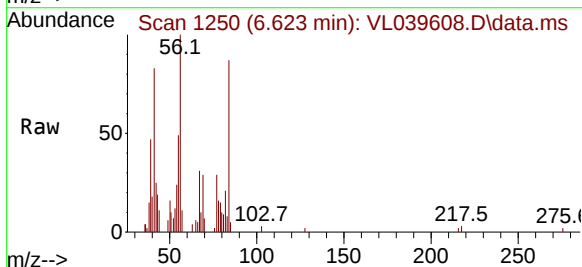
Tgt Ion: 84 Resp: 15570

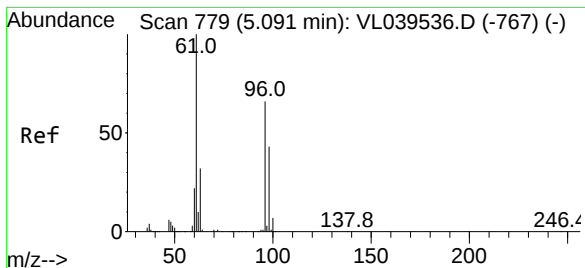
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 0.0 67.7 101.5#





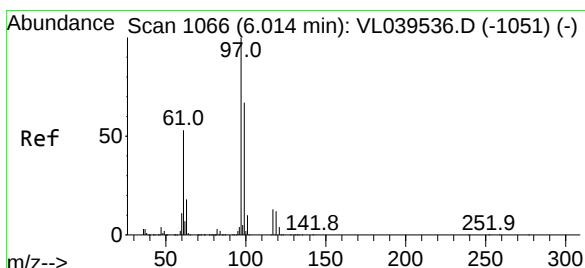
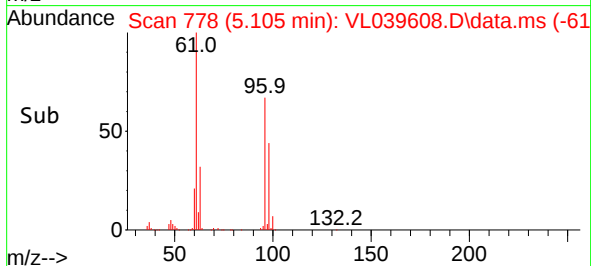
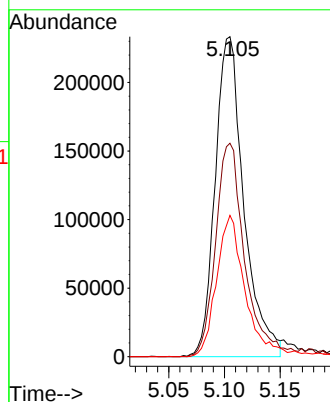
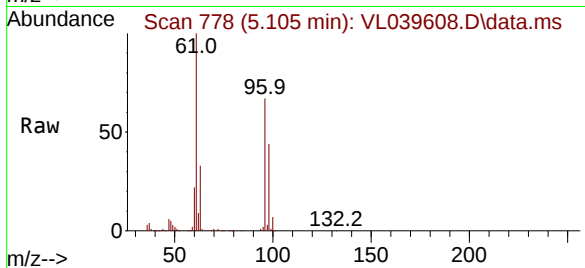
#31
 cis-1,2-Dichloroethene
 Concen: 4.685 ppbv
 RT: 5.105 min Scan# 71
 Delta R.T. 0.014 min
 Lab File: VL039608.D
 Acq: 31 Aug 2022 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFF-082222

Tgt Ion: 61 Resp: 41824
 Ion Ratio Lower Upper
 61 100
 96 66.7 54.1 81.1
 98 44.1 34.6 52.0

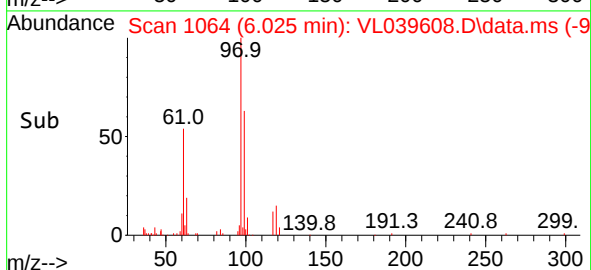
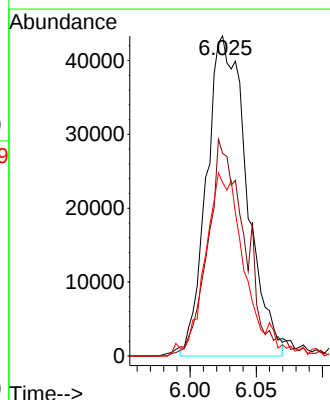
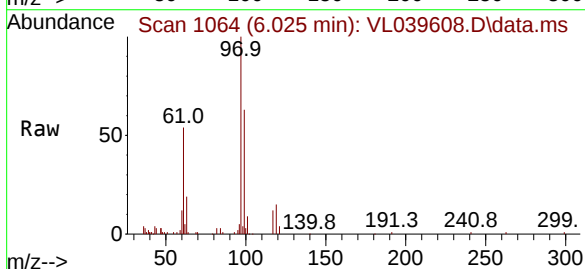
Manual Integrations
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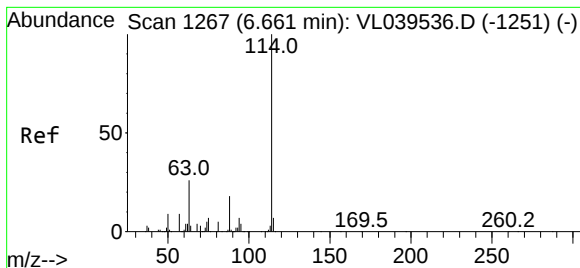
Reviewed By :Semsettin Yesilyurt 09/01/2022
 Supervised By :Mahesh Dadoda 09/02/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.720 ppbv m
 RT: 6.025 min Scan# 1064
 Delta R.T. 0.010 min
 Lab File: VL039608.D
 Acq: 31 Aug 2022 14:45

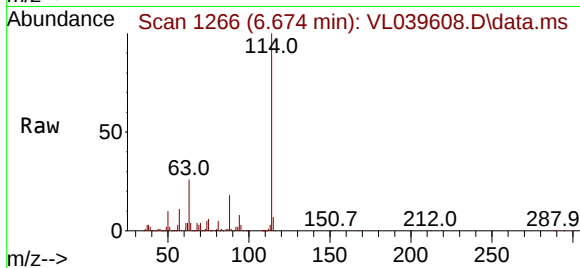
Tgt Ion: 97 Resp: 91320
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.3 78.5
 61 56.8 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 114
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

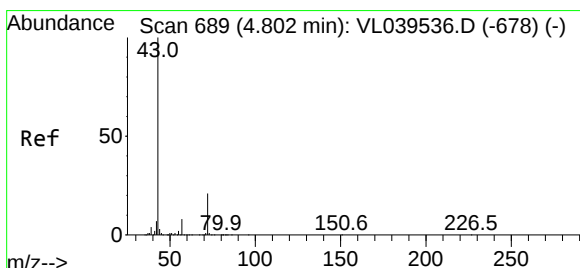
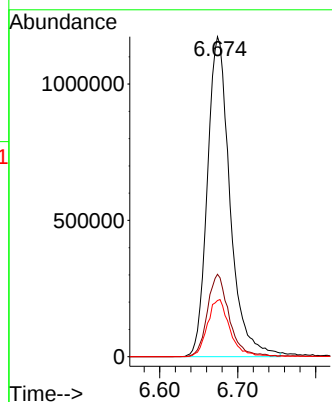
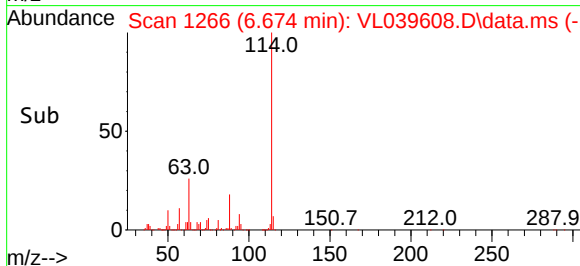
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion:114 Resp: 2366194
Ion Ratio Lower Upper
114 100
63 24.8 20.2 30.4
88 17.9 14.5 21.7

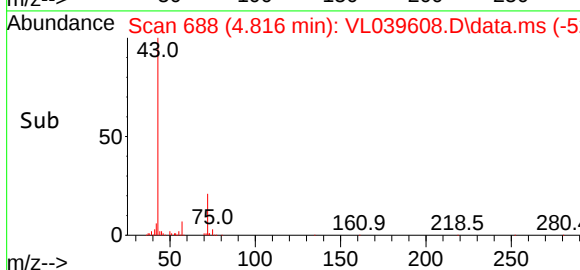
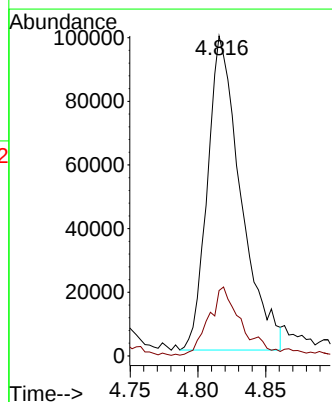
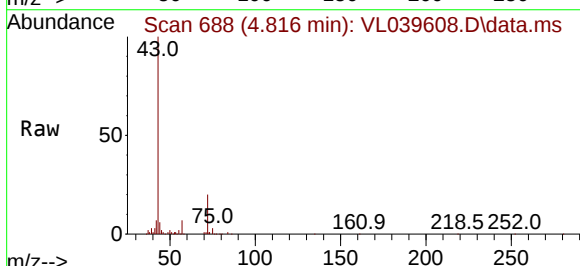
Manual Integrations
APPROVED

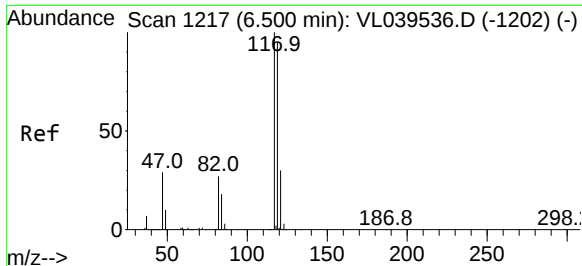
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#34
2-Butanone
Concen: 1.436 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

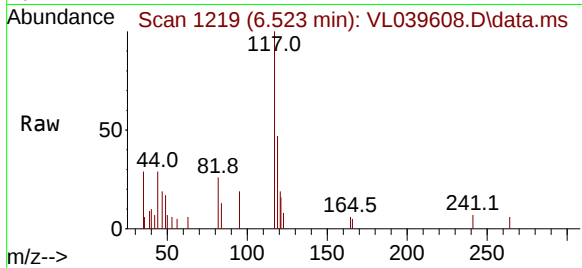
Tgt Ion: 43 Resp: 168945
Ion Ratio Lower Upper
43 100
72 23.8 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.048 ppbv m
RT: 6.523 min Scan# 117
Delta R.T. 0.023 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

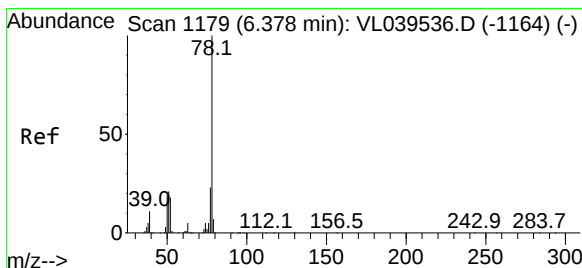
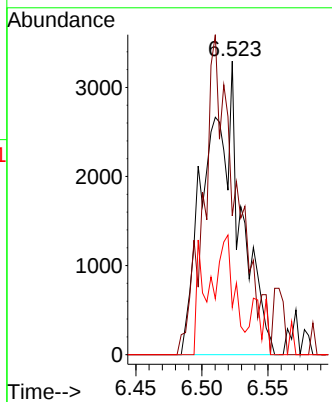
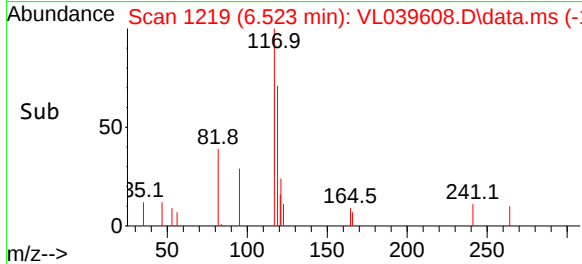
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222



Tgt Ion:117 Resp: 611
Ion Ratio Lower Upper
117 100
119 47.2 75.4 113.2
121 16.1 24.2 36.2

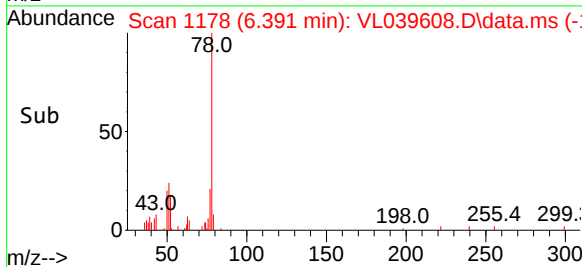
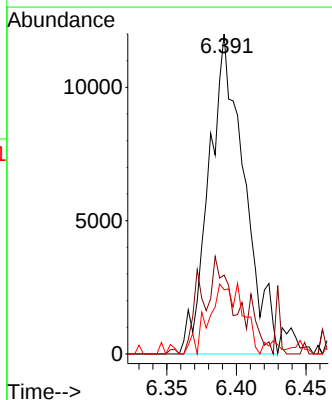
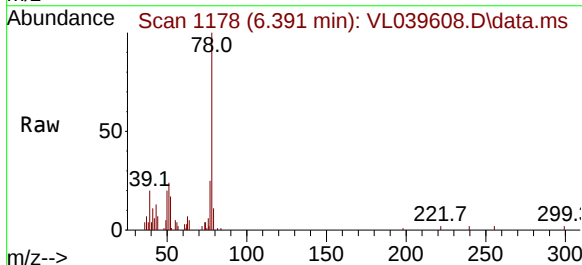
Manual Integrations
APPROVED

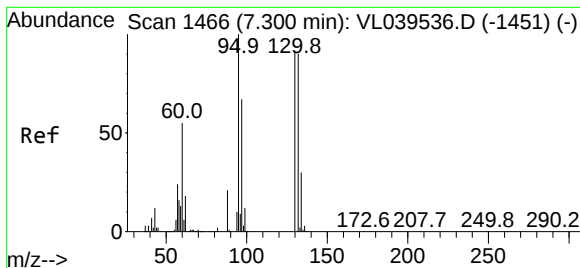
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#36
Benzene
Concen: 0.117 ppbv m
RT: 6.391 min Scan# 1178
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Tgt Ion: 78 Resp: 21112
Ion Ratio Lower Upper
78 100
77 24.7 20.3 30.5
50 20.1 15.5 23.3





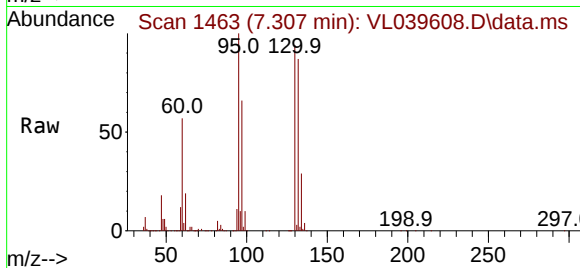
#38
Trichloroethene
Concen: 12.973 ppbv m
RT: 7.307 min Scan# 1466
Delta R.T. 0.007 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFF-082222

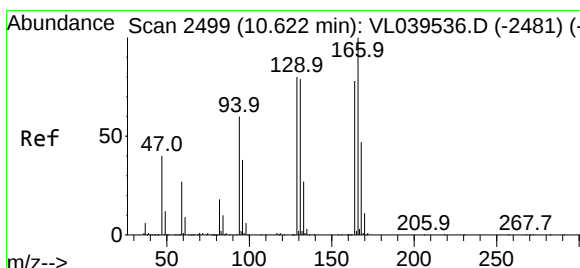
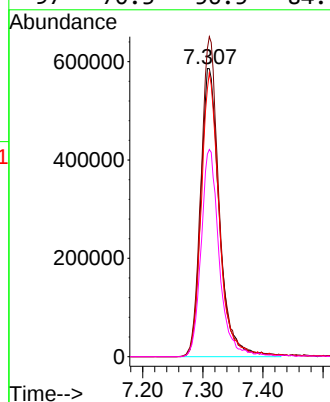
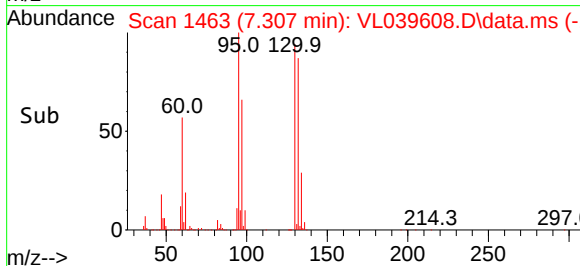


Tgt Ion:130 Resp: 125372
Ion Ratio Lower Upper
130 100
95 106.9 87.3 130.9
132 92.9 76.7 115.1
97 70.3 56.5 84.7

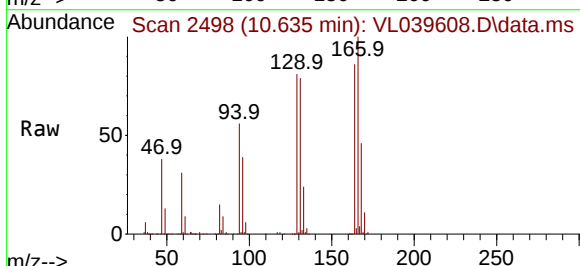
Manual Integrations

APPROVED

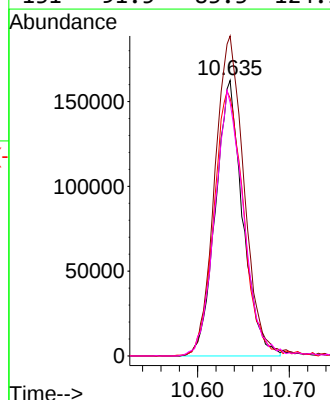
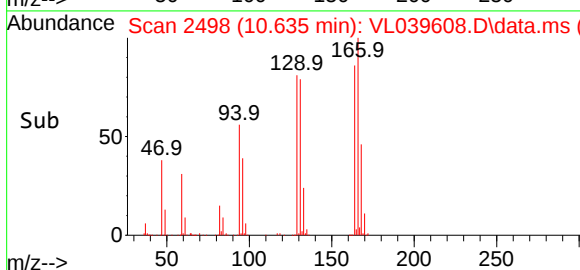
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

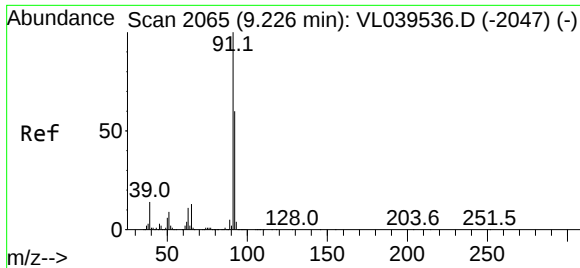


#52
Tetrachloroethene
Concen: 4.890 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45



Tgt Ion:164 Resp: 333697
Ion Ratio Lower Upper
164 100
166 116.1 102.2 153.2
129 93.2 85.8 128.8
131 91.5 83.3 124.9





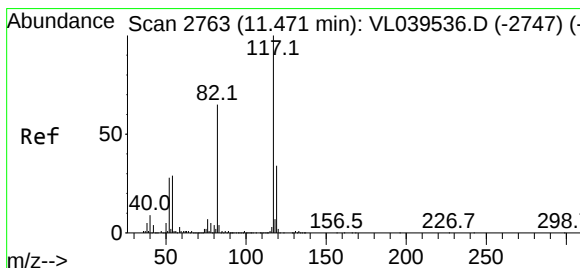
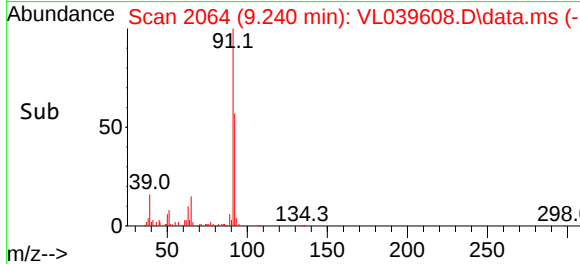
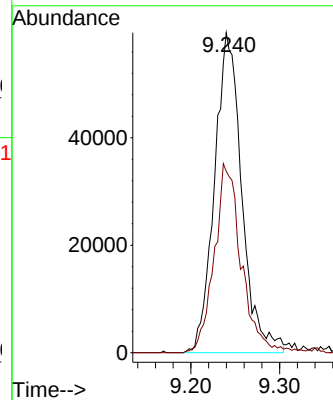
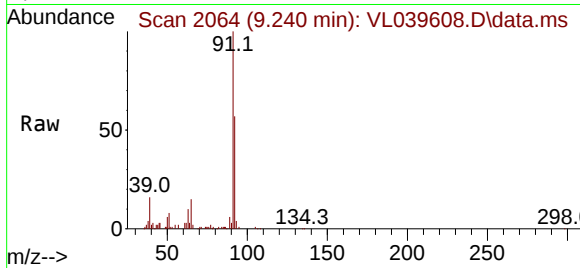
#53
Toluene
Concen: 0.631 ppbv m
RT: 9.240 min Scan# 2065
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222

Tgt Ion: 91 Resp: 12739
Ion Ratio Lower Upper
91 100
92 58.2 48.2 72.2

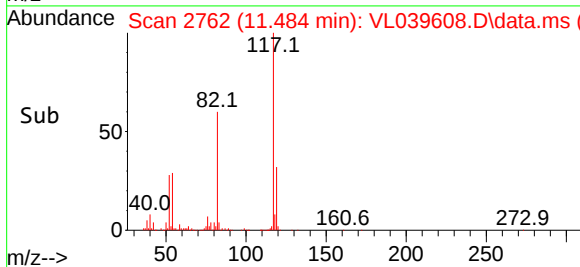
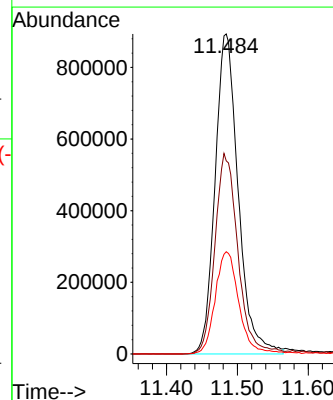
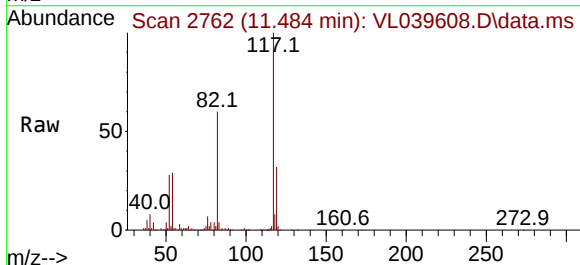
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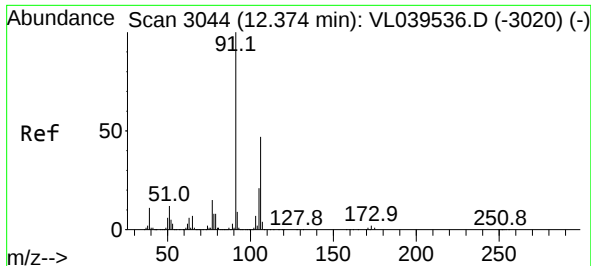
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.014 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Tgt Ion:117 Resp: 2027880
Ion Ratio Lower Upper
117 100
82 63.2 50.8 76.2
119 32.8 24.1 36.1





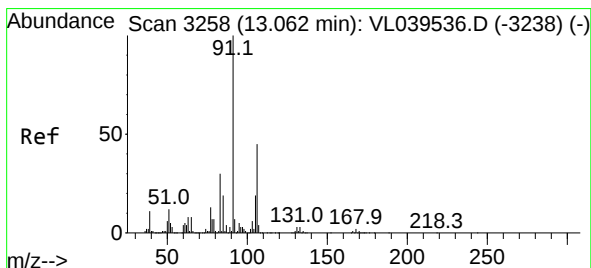
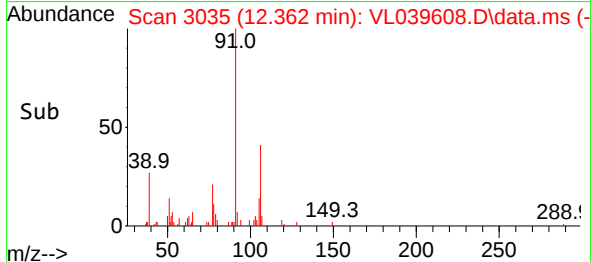
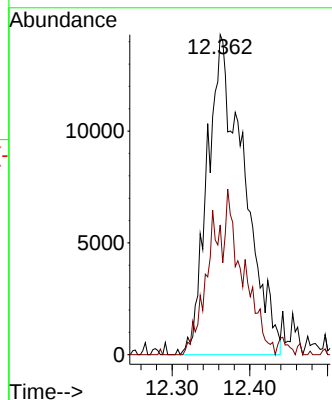
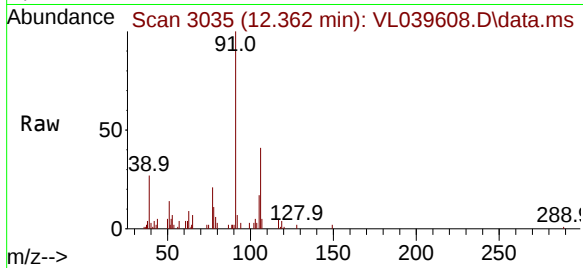
#59
m/p-Xylene
Concen: 0.224 ppbv m
RT: 12.362 min Scan# 3044
Delta R.T. -0.012 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222

Tgt Ion: 91 Resp: 46819
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

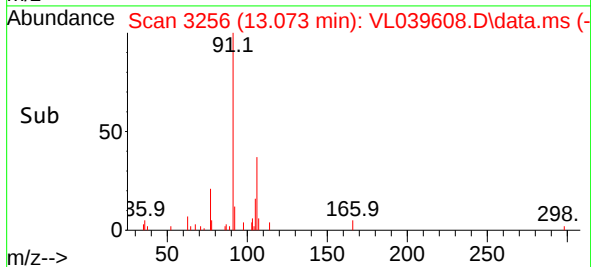
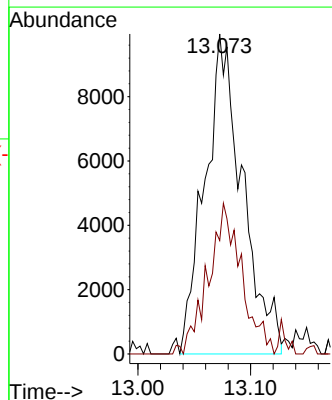
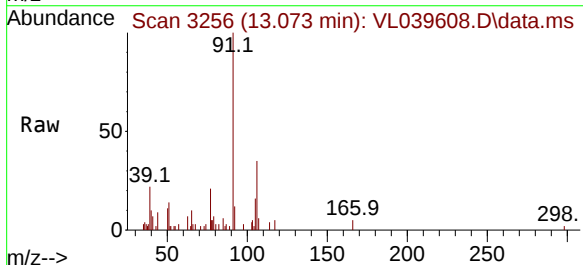
Manual Integrations
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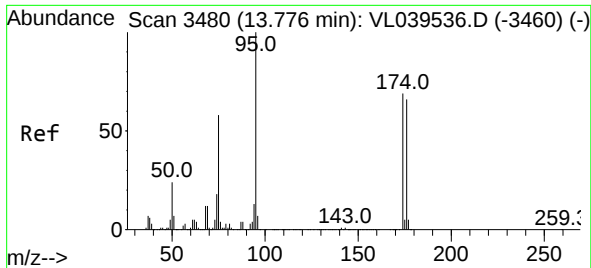
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#60
o-Xylene
Concen: 0.115 ppbv m
RT: 13.073 min Scan# 3256
Delta R.T. 0.010 min
Lab File: VL039608.D
Acq: 31 Aug 2022 14:45

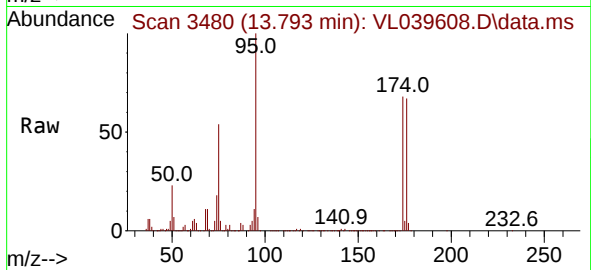
Tgt Ion: 91 Resp: 23100
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.710 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.017 min
 Lab File: VL039608.D
 Acq: 31 Aug 2022 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFF-082222



Tgt Ion: 95 Resp: 148558

Ion	Ratio	Lower	Upper
95	100		
174	71.7	55.9	83.9
175	5.4	4.2	6.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022
 Supervised By :Mahesh Dadoda 09/02/2022

