

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039610.D
 Acq On : 31 Aug 2022 16:24
 Operator : SY/AP
 Sample : N4408-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFF-082222DUP

Manual Integrations
 APPROVED

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

Quant Time: Aug 31 23:45:48 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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	5.217	49	949496	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2415395	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	2123473	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1543435	9.634	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	67467	0.534	ppbv	90
4) Chloromethane	2.841	50	17416	0.256	ppbv #	88
9) Propene	2.735	41	22386	0.432	ppbv	95
11) Trichlorofluoromethane	3.594	101	39648	0.286	ppbv #	82
13) Ethanol	3.272	45	181021	48.660	ppbv	73
15) Acetone	3.497	43	1049948	9.872	ppbv	95
19) Isopropyl Alcohol	3.613	45	50944m	0.985	ppbv	
20) Methylene Chloride	3.963	84	3048763	70.556	ppbv	97
26) Hexane	5.240	57	1546205	16.646	ppbv #	39
29) Chloroform	5.295	83	25286	0.174	ppbv #	82
30) Cyclohexane	6.622	84	15153	0.197	ppbv #	73
31) cis-1,2-Dichloroethene	5.105	61	380800	4.233	ppbv	98
32) 1,1,1-Trichloroethane	6.028	97	85974	0.673	ppbv	97
34) 2-Butanone	4.819	43	154246	1.285	ppbv	100
35) Carbon Tetrachloride	6.513	117	7857m	0.060	ppbv	
36) Benzene	6.391	78	23883m	0.130	ppbv	
38) Trichloroethene	7.307	130	1113732	11.289	ppbv	97
52) Tetrachloroethene	10.632	164	290086	4.164	ppbv	98
53) Toluene	9.243	91	114839	0.557	ppbv	99
59) m/p-Xylene	12.368	91	48649m	0.222	ppbv	
60) o-Xylene	13.072	91	24724m	0.118	ppbv	

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

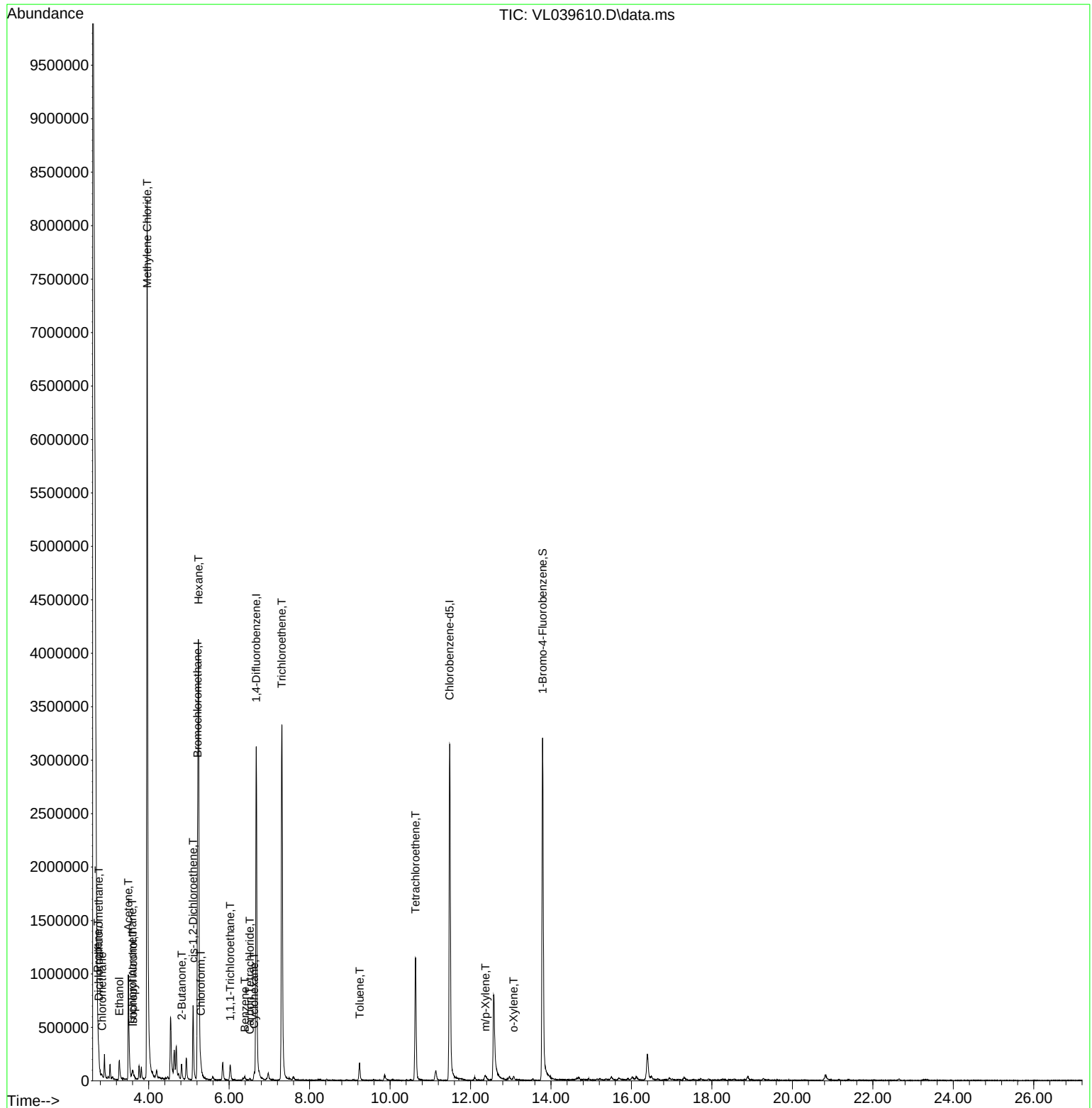
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
Data File : VL039610.D
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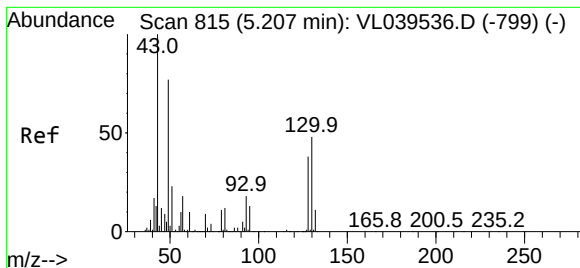
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP

Quant Time: Aug 31 23:45:48 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

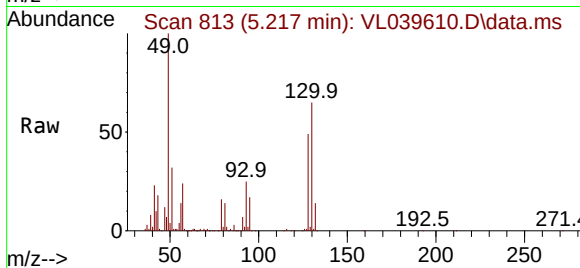
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

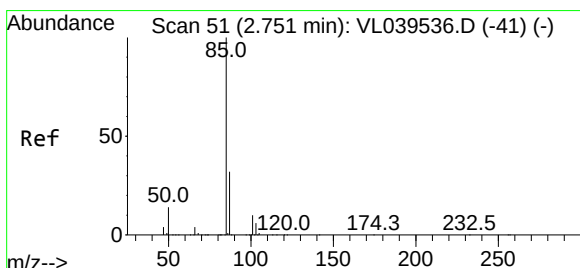
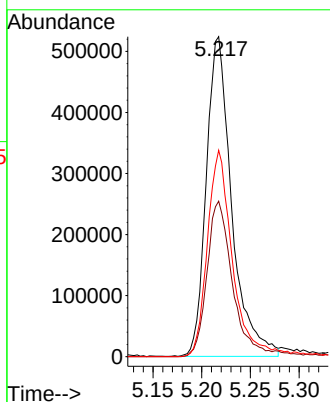
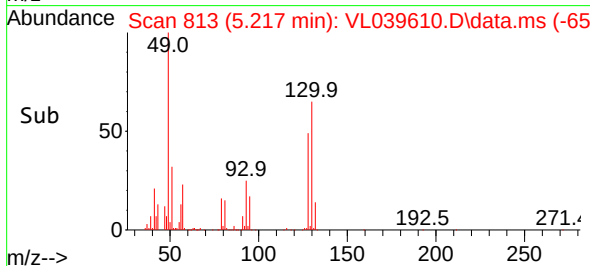
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



Tgt Ion: 49 Resp: 949490
Ion Ratio Lower Upper
49 100
128 50.8 26.7 80.0
130 65.4 34.3 102.8

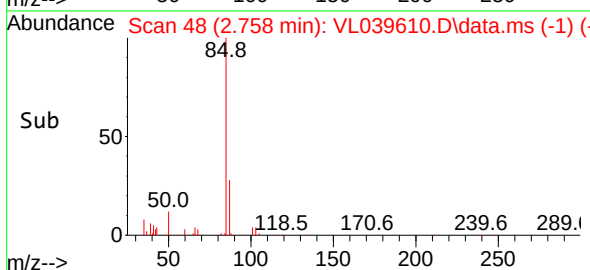
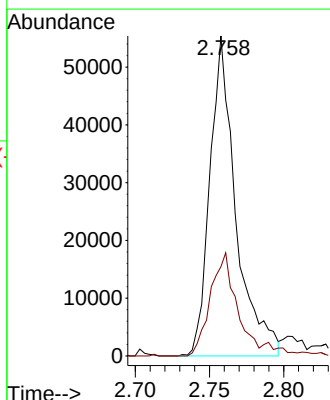
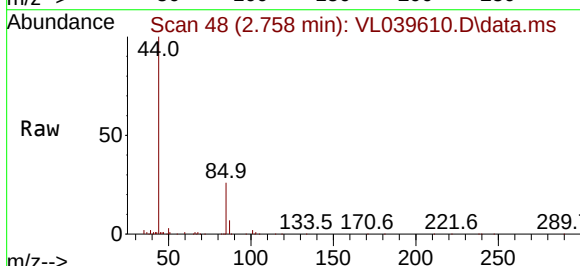
Manual Integrations
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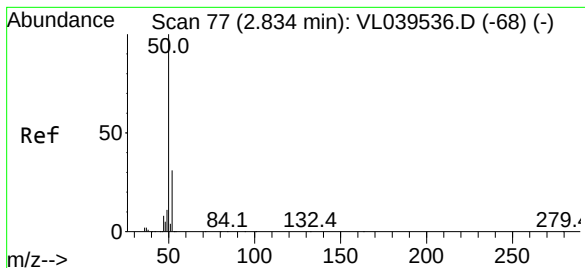
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#2
Dichlorodifluoromethane
Concen: 0.534 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.007 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Tgt Ion: 85 Resp: 67467
Ion Ratio Lower Upper
85 100
87 27.9 26.7 40.1





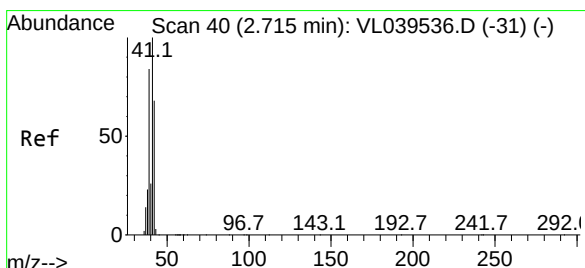
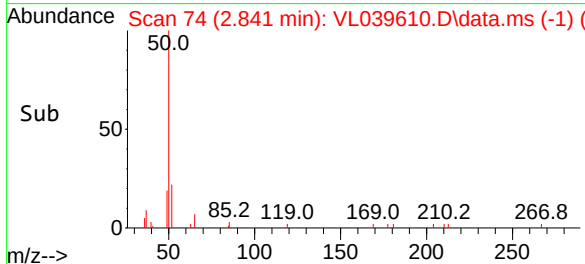
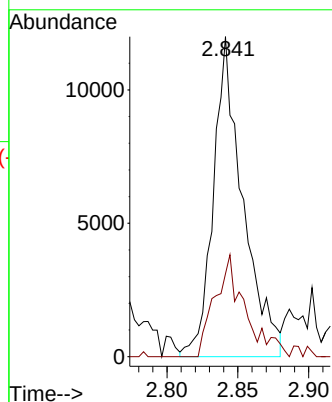
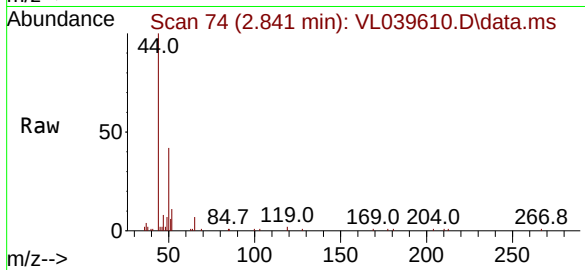
#4
Chloromethane
Concen: 0.256 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP

Tgt Ion: 50 Resp: 17410
Ion Ratio Lower Upper
50 100
52 26.3 26.5 39.7

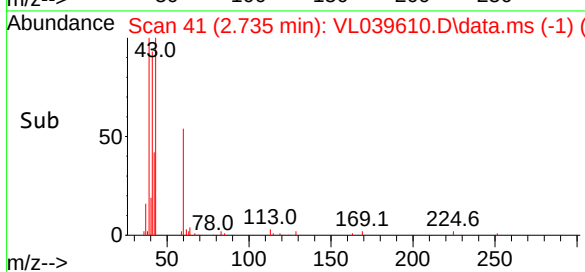
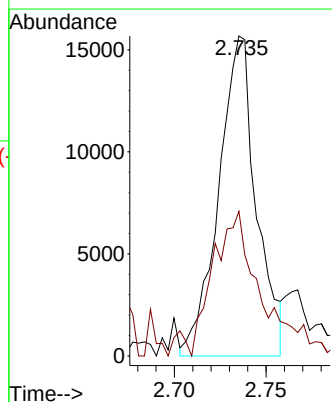
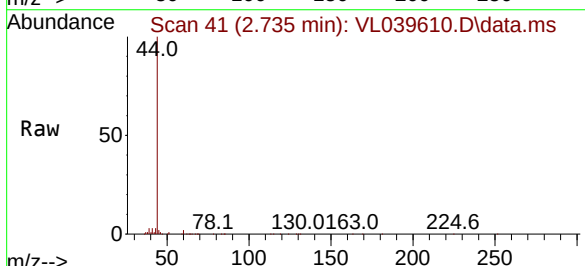
Manual Integrations
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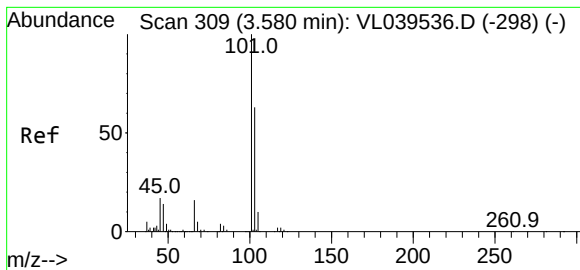
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#9
Propene
Concen: 0.432 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.020 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

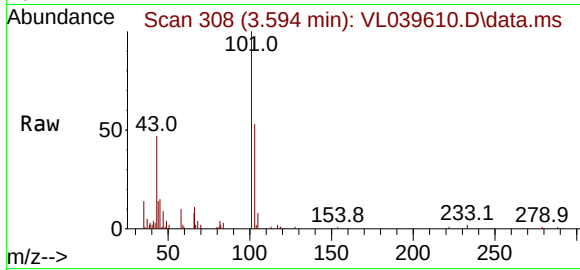
Tgt Ion: 41 Resp: 22386
Ion Ratio Lower Upper
41 100
42 64.7 55.2 82.8





#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 3.594 min Scan# 309
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

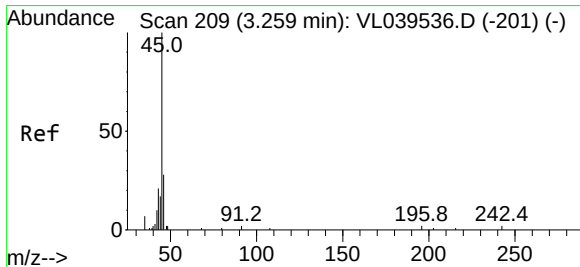
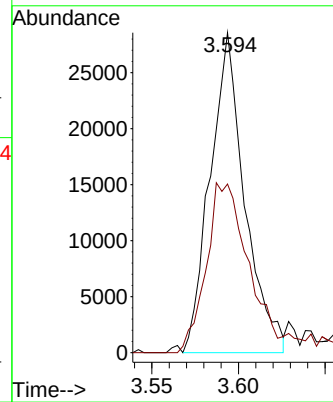
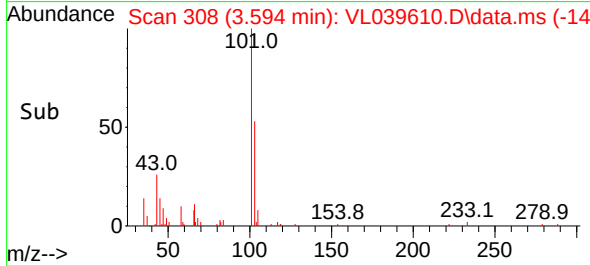
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



Tgt Ion:101 Resp: 3964
Ion Ratio Lower Upper
101 100
103 50.7 51.8 77.8

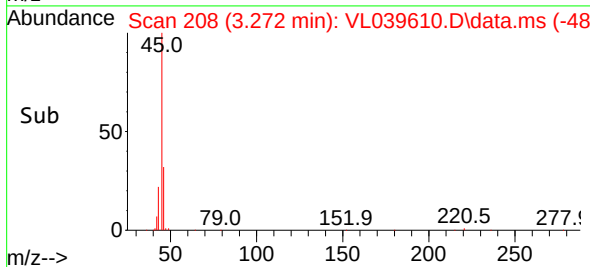
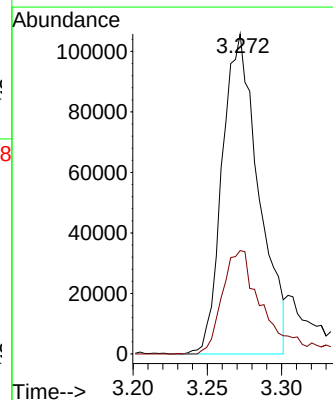
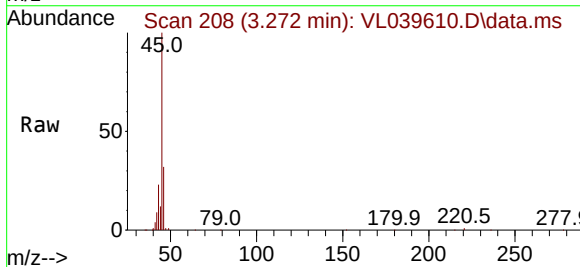
Manual Integrations
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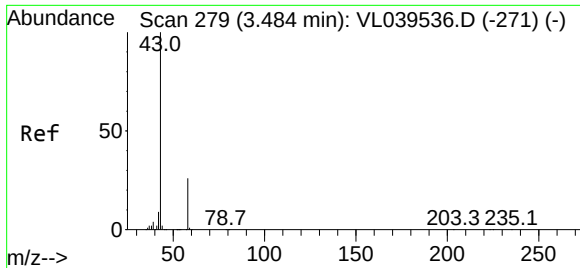
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#13
Ethanol
Concen: 48.660 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Tgt Ion: 45 Resp: 181021
Ion Ratio Lower Upper
45 100
46 37.4 22.8 91.2





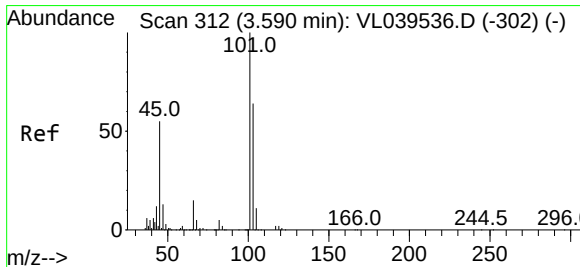
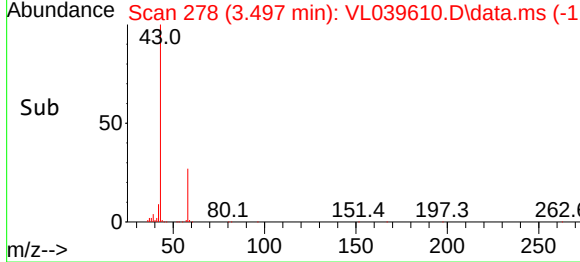
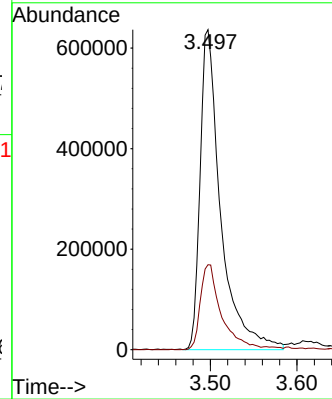
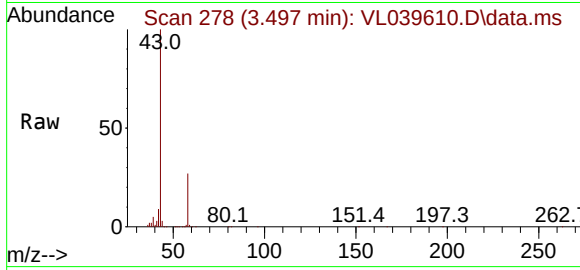
#15
Acetone
Concen: 9.872 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Instrument : MSVOA_L
ClientSampleId : SVE-EFF-082222DUP

Tgt Ion: 43 Resp: 104994
Ion Ratio Lower Upper
43 100
58 28.6 21.0 31.6

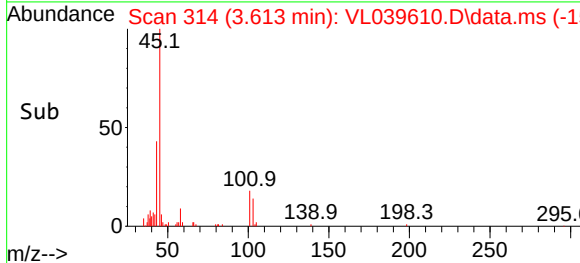
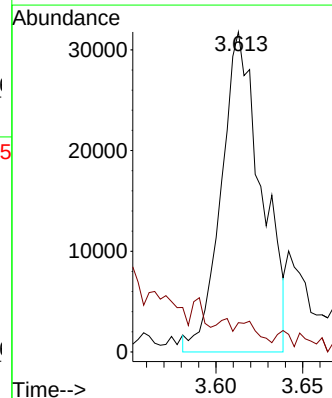
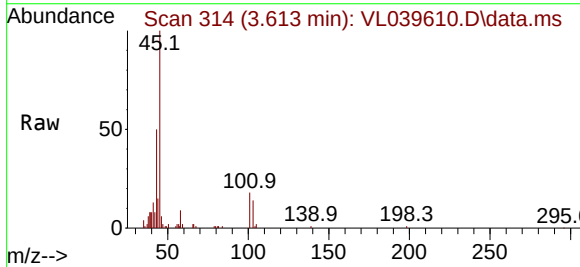
Manual Integrations APPROVED

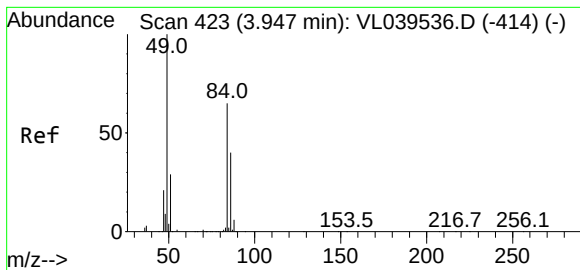
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#19
Isopropyl Alcohol
Concen: 0.985 ppbv m
RT: 3.613 min Scan# 314
Delta R.T. 0.023 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

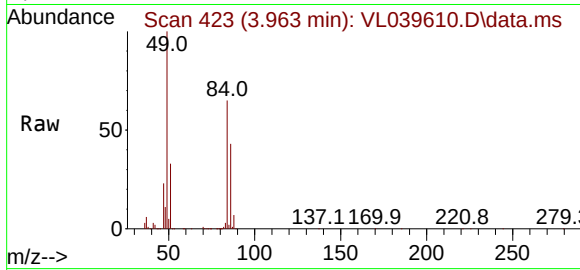
Tgt Ion: 45 Resp: 50944
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#





#20
Methylene Chloride
Concen: 70.556 ppbv
RT: 3.963 min Scan# 41
Delta R.T. 0.017 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP

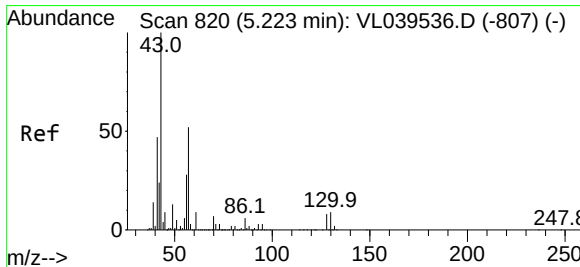
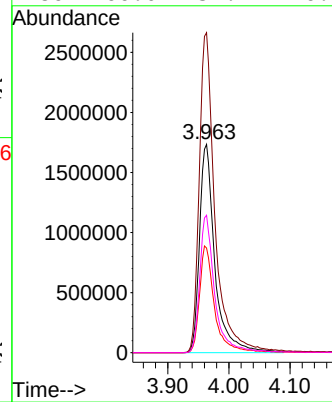
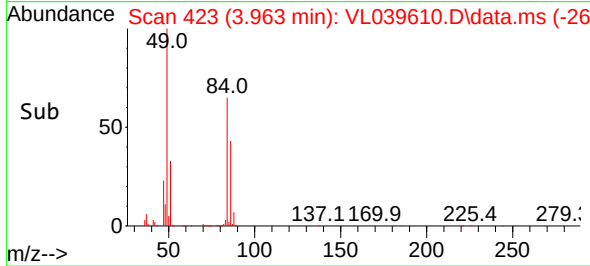


Tgt Ion: 84 Resp: 304876

Ion	Ratio	Lower	Upper
84	100		
49	153.6	123.1	184.7
51	50.2	34.4	51.6
86	66.0	51.1	76.7

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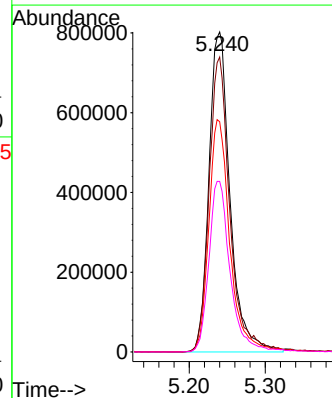
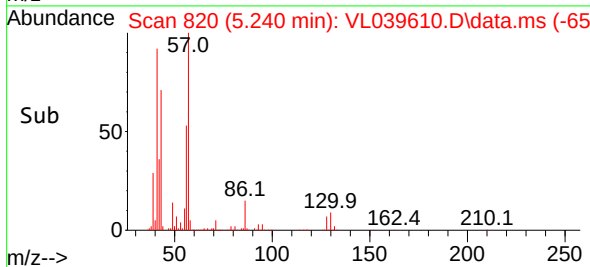
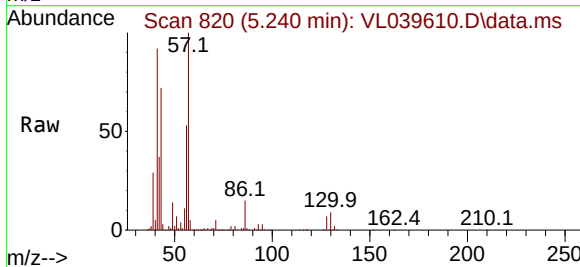
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

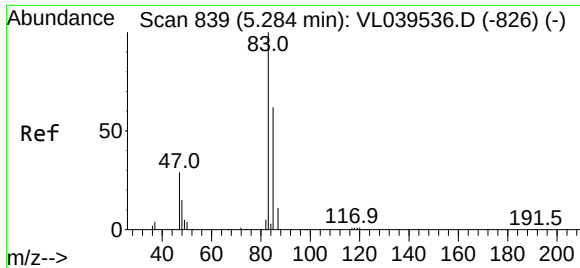


#26
Hexane
Concen: 16.646 ppbv
RT: 5.240 min Scan# 820
Delta R.T. 0.017 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

Tgt Ion: 57 Resp: 1546205

Ion	Ratio	Lower	Upper
57	100		
41	91.9	76.9	115.3
43	72.9	191.0	286.6#
56	54.2	43.2	64.8





#29

Chloroform

Concen: 0.174 ppbv

RT: 5.295 min Scan# 839

Delta R.T. 0.010 min

Lab File: VL039610.D

Acq: 31 Aug 2022 16:24

Instrument :

MSVOA_L

ClientSampleId :

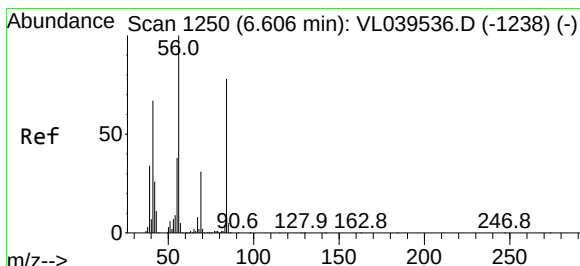
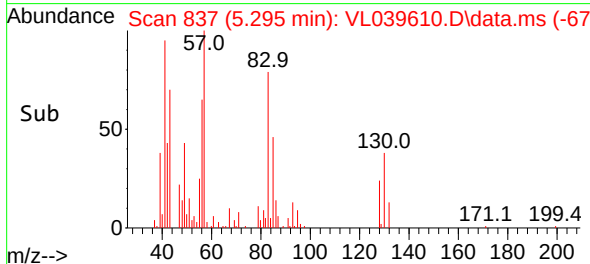
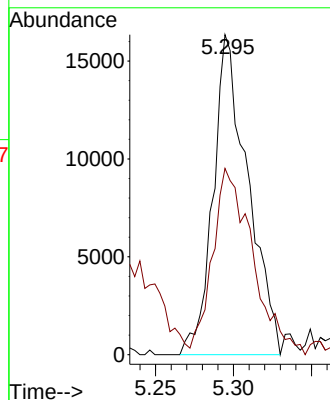
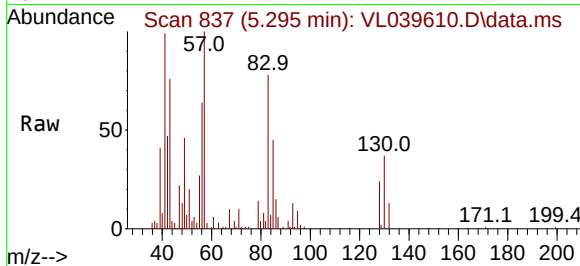
SVE-EFF-082222DUP

Tgt Ion: 83 Resp: 25280
 Ion Ratio Lower Upper
 83 100
 85 51.8 52.8 79.2

Manual Integrations

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



#30

Cyclohexane

Concen: 0.197 ppbv

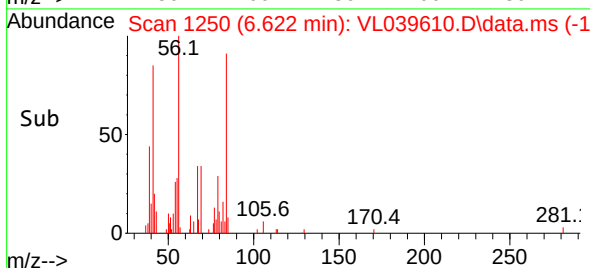
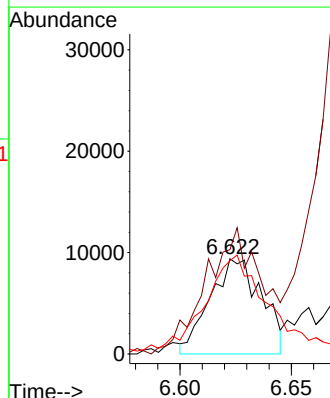
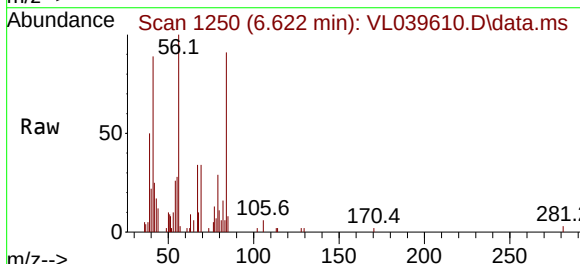
RT: 6.622 min Scan# 1250

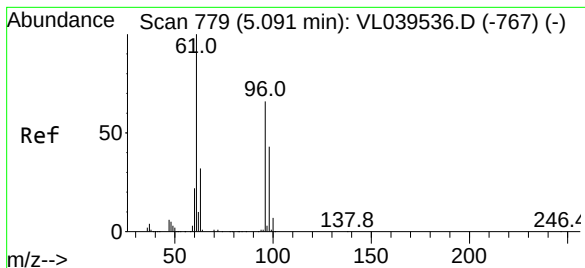
Delta R.T. 0.017 min

Lab File: VL039610.D

Acq: 31 Aug 2022 16:24

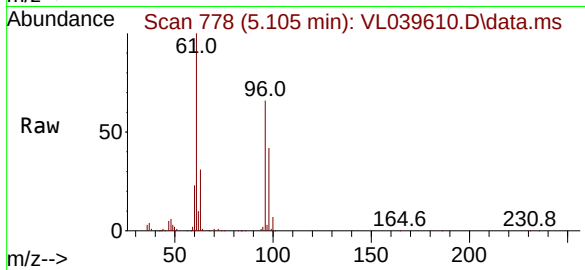
Tgt Ion: 84 Resp: 15153
 Ion Ratio Lower Upper
 84 100
 56 130.3 107.7 161.5
 41 143.8 67.7 101.5





#31
 cis-1,2-Dichloroethene
 Concen: 4.233 ppbv
 RT: 5.105 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL039610.D
 Acq: 31 Aug 2022 16:24

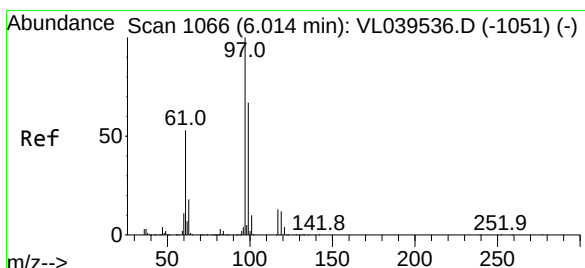
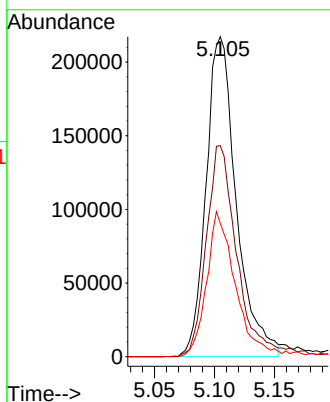
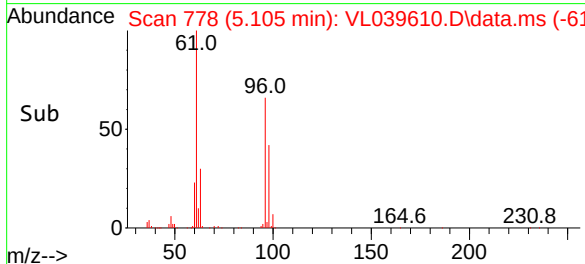
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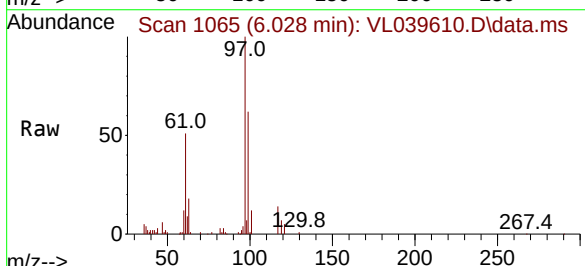
Tgt Ion: 61 Resp: 380800
 Ion Ratio Lower Upper
 61 100
 96 65.9 54.1 81.1
 98 41.5 34.6 52.0

Manual Integrations
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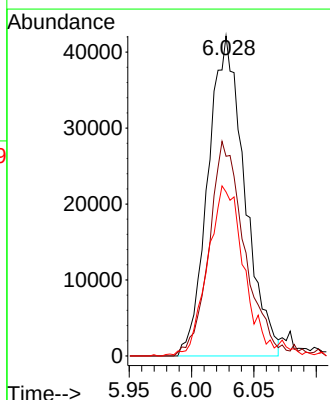
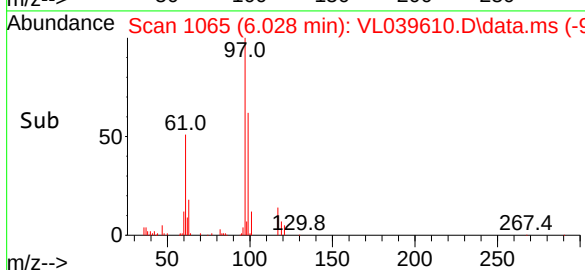
Reviewed By :Semsettin Yesilyurt 09/01/2022
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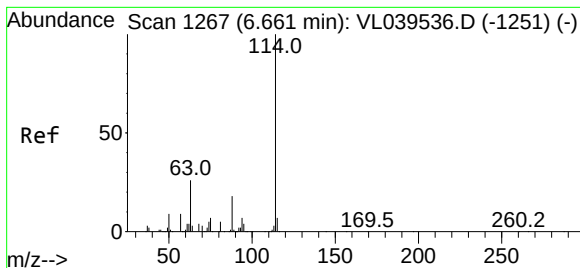


#32
 1,1,1-Trichloroethane
 Concen: 0.673 ppbv
 RT: 6.028 min Scan# 1065
 Delta R.T. 0.013 min
 Lab File: VL039610.D
 Acq: 31 Aug 2022 16:24



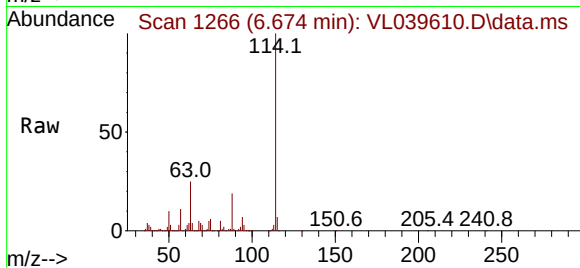
Tgt Ion: 97 Resp: 85974
 Ion Ratio Lower Upper
 97 100
 99 66.6 52.3 78.5
 61 54.6 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 114
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

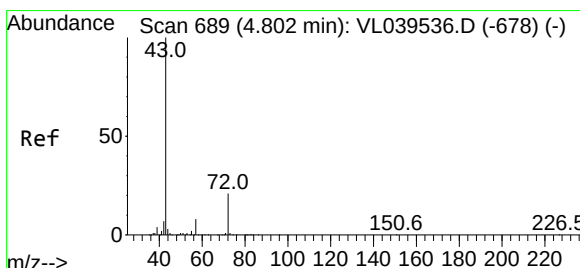
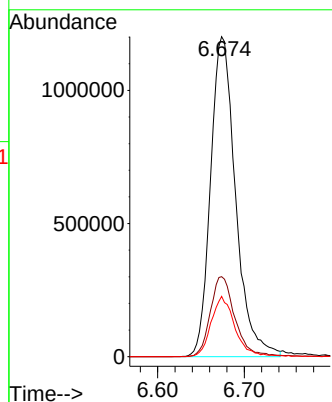
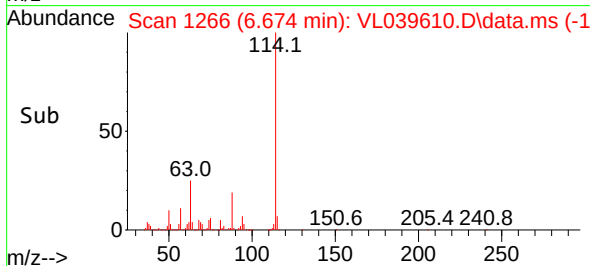
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



Tgt Ion:114 Resp: 241539
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.0 14.5 21.7

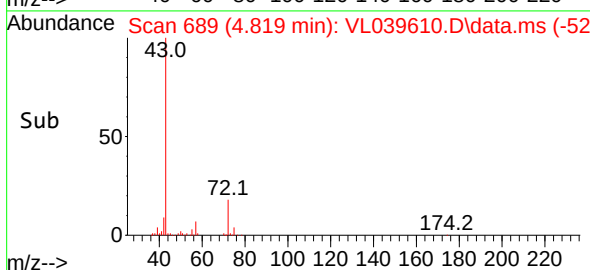
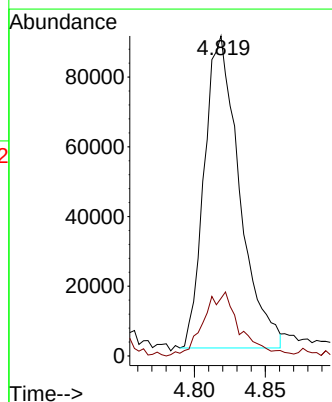
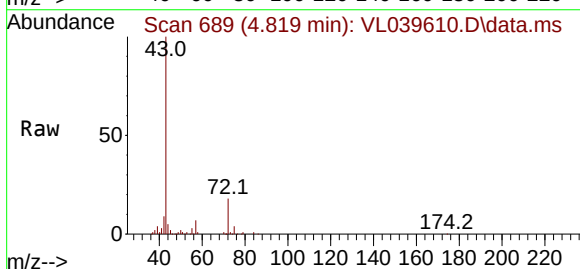
Manual Integrations
APPROVED

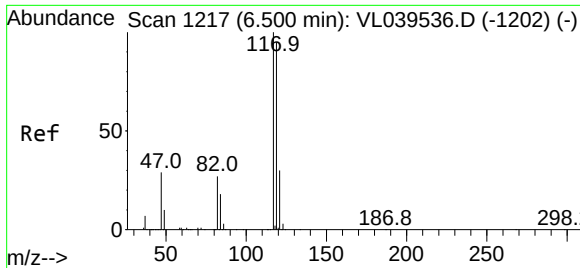
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#34
2-Butanone
Concen: 1.285 ppbv
RT: 4.819 min Scan# 689
Delta R.T. 0.017 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

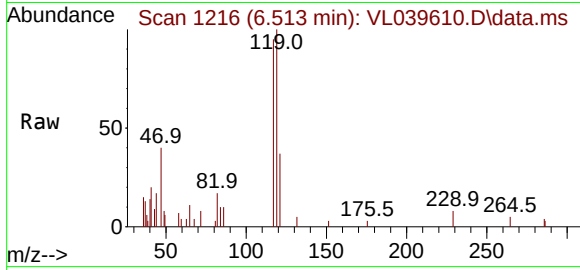
Tgt Ion: 43 Resp: 154246
Ion Ratio Lower Upper
43 100
72 22.5 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 6.513 min Scan# 117
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

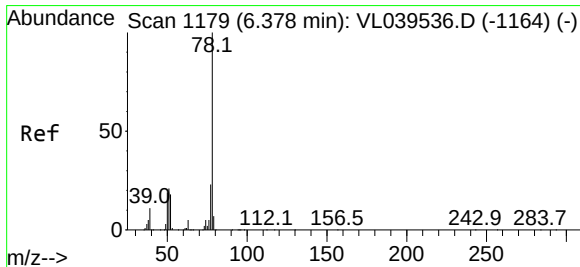
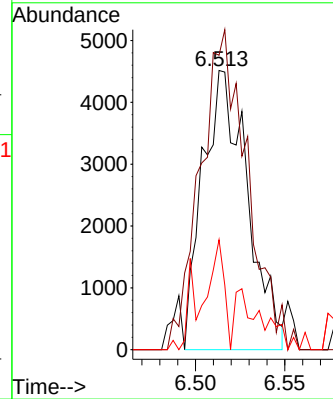
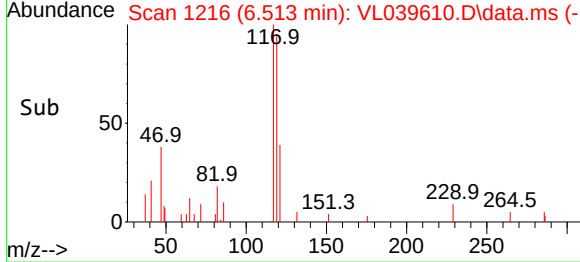
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



Tgt Ion: 117 Resp: 785
Ion Ratio Lower Upper
117 100
119 105.4 75.4 113.2
121 39.4 24.2 36.2

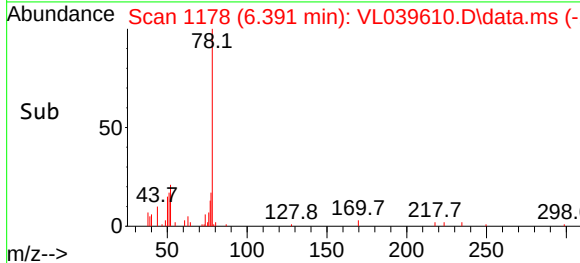
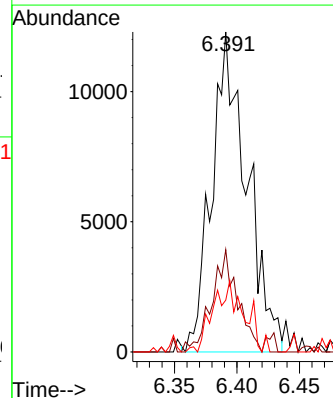
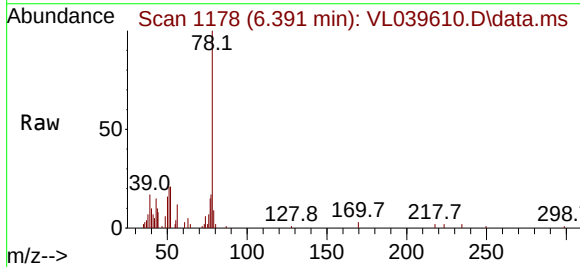
Manual Integrations
APPROVED

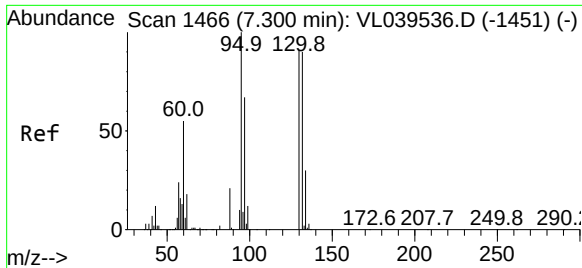
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022



#36
Benzene
Concen: 0.130 ppbv m
RT: 6.391 min Scan# 1178
Delta R.T. 0.013 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

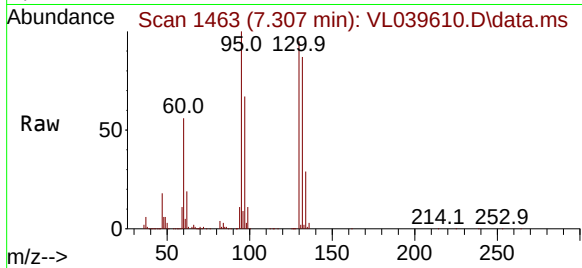
Tgt Ion: 78 Resp: 23883
Ion Ratio Lower Upper
78 100
77 17.1 20.3 30.5#
50 16.2 15.5 23.3





#38
Trichloroethene
Concen: 11.289 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.007 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

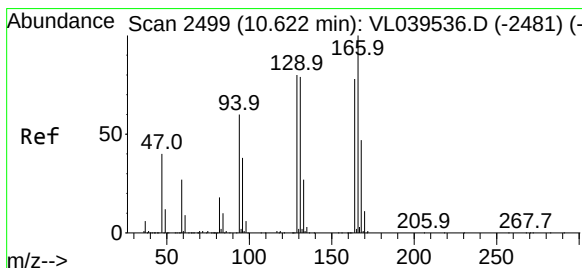
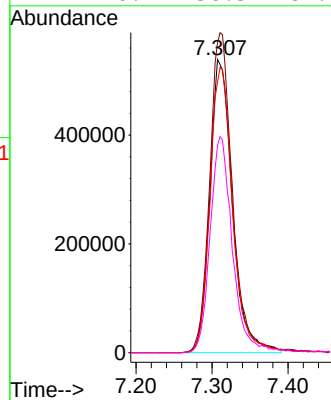
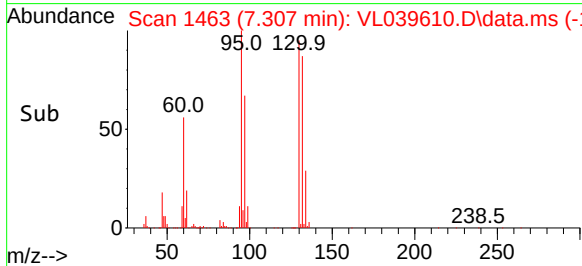
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



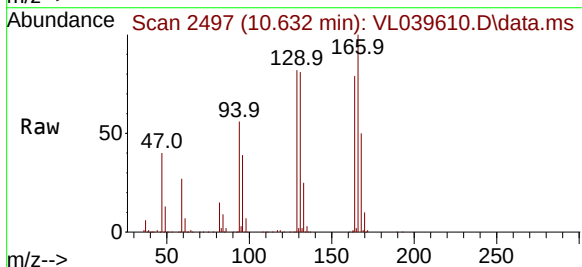
Tgt Ion:130 Resp: 111373
Ion Ratio Lower Upper
130 100
95 105.8 87.3 130.9
132 92.2 76.7 115.1
97 70.7 56.5 84.7

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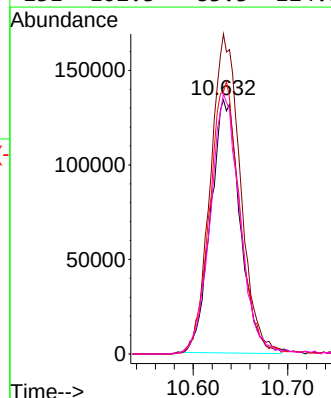
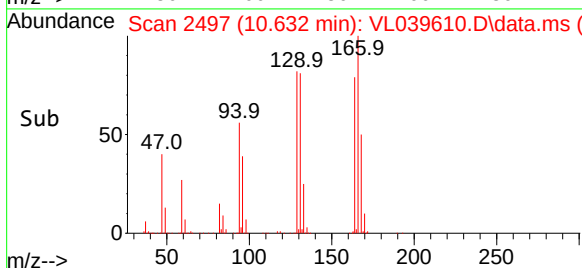
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

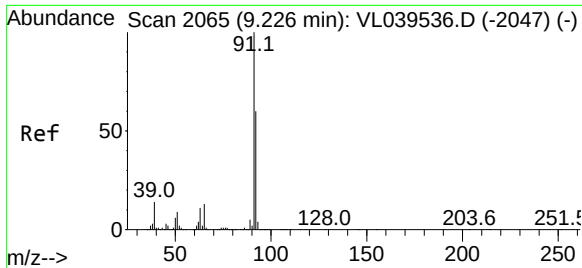


#52
Tetrachloroethene
Concen: 4.164 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24



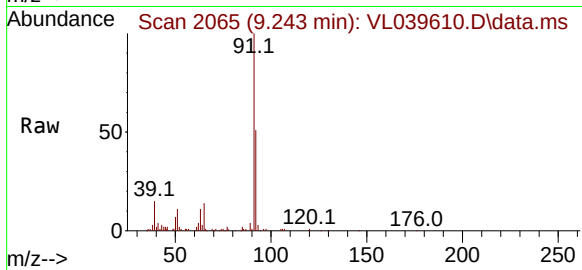
Tgt Ion:164 Resp: 290086
Ion Ratio Lower Upper
164 100
166 126.0 102.2 153.2
129 103.6 85.8 128.8
131 102.3 83.3 124.9





#53
Toluene
Concen: 0.557 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. 0.017 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24

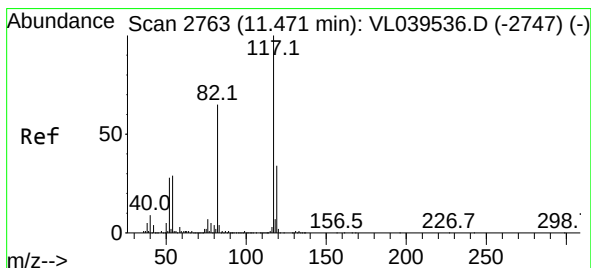
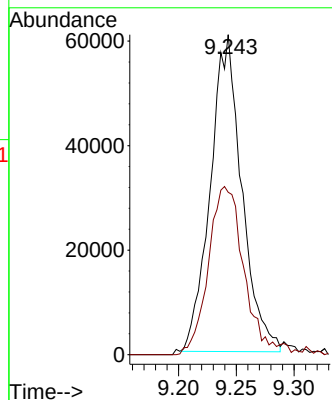
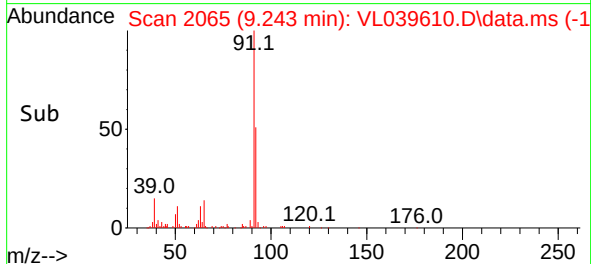
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFF-082222DUP



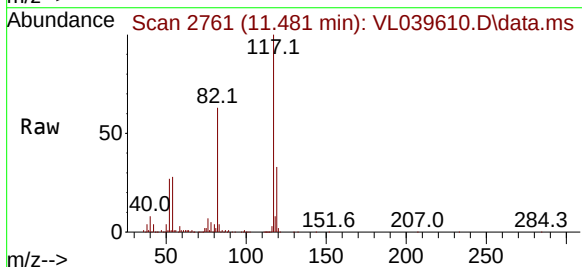
Tgt Ion: 91 Resp: 114839
Ion Ratio Lower Upper
91 100
92 61.2 48.2 72.2

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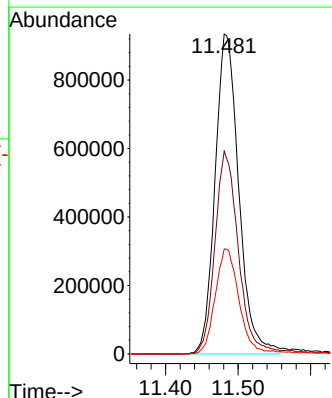
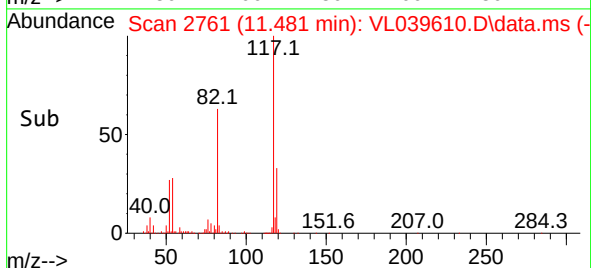
Reviewed By :Semsettin Yesilyurt 09/01/2022
Supervised By :Mahesh Dadoda 09/02/2022

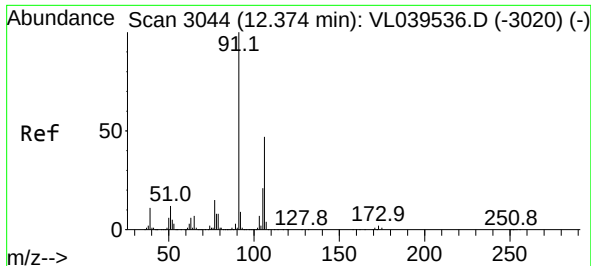


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.010 min
Lab File: VL039610.D
Acq: 31 Aug 2022 16:24



Tgt Ion:117 Resp: 2123473
Ion Ratio Lower Upper
117 100
82 63.6 50.8 76.2
119 33.7 24.1 36.1





#59

m/p-Xylene

Concen: 0.222 ppbv m

RT: 12.368 min Scan# 3044

Delta R.T. -0.006 min

Lab File: VL039610.D

Acq: 31 Aug 2022 16:24

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFF-082222DUP

Tgt Ion: 91 Resp: 48649

Ion Ratio Lower Upper

91 100

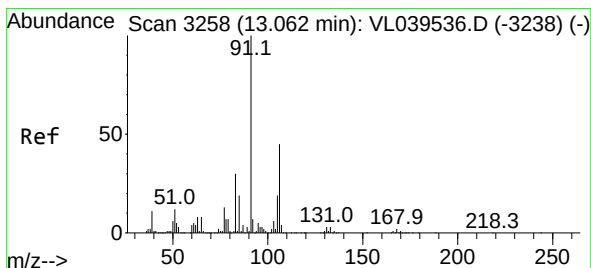
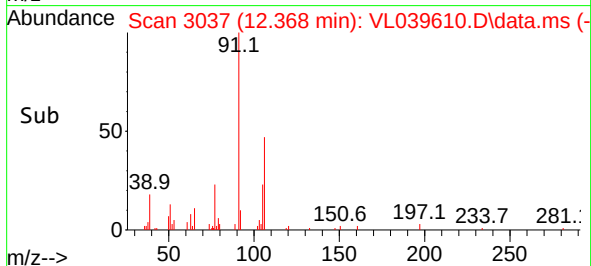
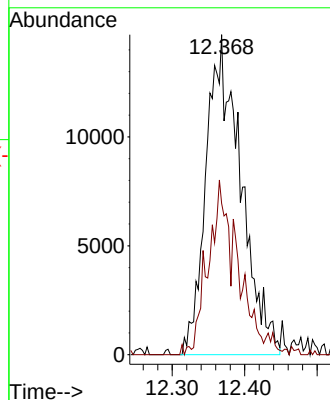
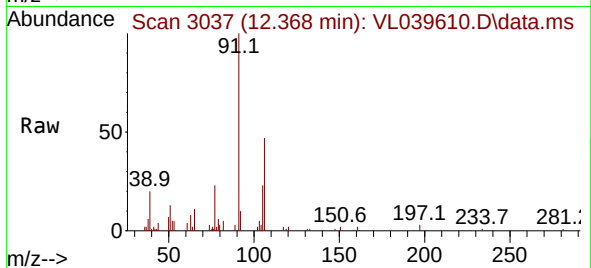
106 0.0 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022

Supervised By :Mahesh Dadoda 09/02/2022



#60

o-Xylene

Concen: 0.118 ppbv m

RT: 13.072 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039610.D

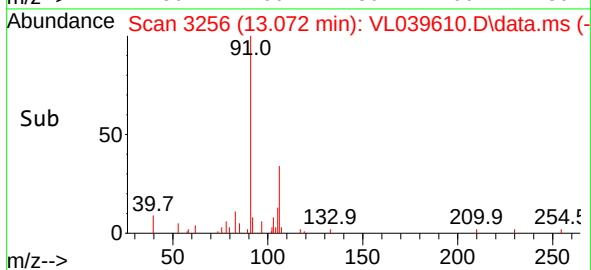
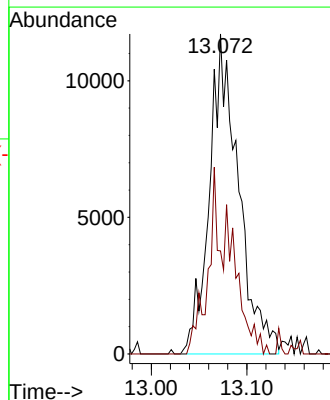
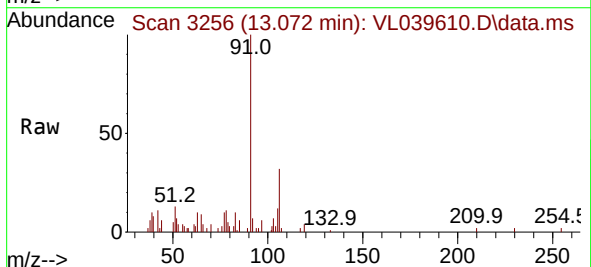
Acq: 31 Aug 2022 16:24

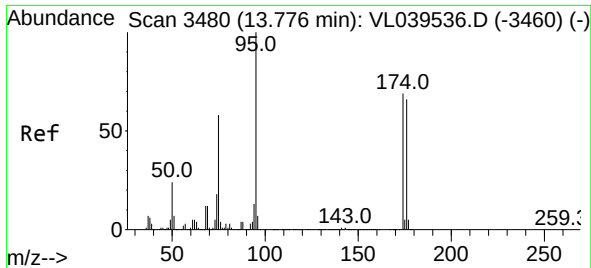
Tgt Ion: 91 Resp: 24724

Ion Ratio Lower Upper

91 100

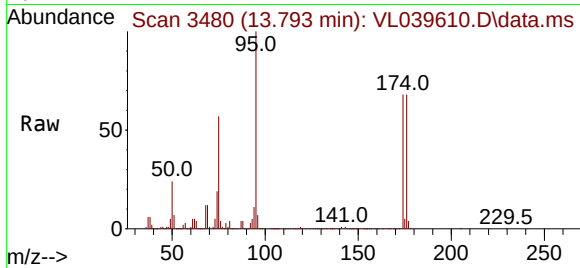
106 45.0 22.4 67.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.634 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.017 min
 Lab File: VL039610.D
 Acq: 31 Aug 2022 16:24

Instrument : MSVOA_L
 ClientSampleId : SVE-EFF-082222DUP



Tgt Ion: 95 Resp: 1543438

Ion	Ratio	Lower	Upper
95	100		
174	73.6	55.9	83.9
175	5.6	4.2	6.4

Manual Integrations
 APPROVED

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

