

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038900.D
 Acq On : 12 Apr 2022 21:15
 Operator : SY/AP
 Sample : N2339-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENTDUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022

Quant Time: Apr 13 01:19:57 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.658	49	1005667	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2389174	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	1943627	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.401	95	1582795	10.736	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	41076	0.288	ppbv #	80
3) Chlorodifluoromethane	2.989	51	48694m	0.397	ppbv	
4) Chloromethane	3.134	50	24775m	0.390	ppbv	
9) Propene	3.018	41	28534m	0.439	ppbv	
11) Trichlorofluoromethane	3.941	101	45937	0.401	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.488	101	12308m	0.140	ppbv	
13) Ethanol	3.597	45	61635m	15.619	ppbv	
15) Acetone	3.848	43	386518m	3.860	ppbv	
19) Isopropyl Alcohol	3.967	45	24740m	0.483	ppbv	
20) Methylene Chloride	4.340	84	162277	4.469	ppbv	93
22) trans-1,2-Dichloroethene	4.890	96	6389m	0.158	ppbv	
26) Hexane	5.681	57	157625	1.363	ppbv #	40
29) Chloroform	5.745	83	78922	0.488	ppbv	94
31) cis-1,2-Dichloroethene	5.542	61	513246	4.827	ppbv	89
32) 1,1,1-Trichloroethane	6.504	97	151372	0.929	ppbv	95
34) 2-Butanone	5.243	43	90587m	0.960	ppbv	
35) Carbon Tetrachloride	7.009	117	9395m	0.066	ppbv	
36) Benzene	6.880	78	25310	0.116	ppbv #	92
38) Trichloroethene	7.822	130	21143m	0.237	ppbv	
52) Tetrachloroethene	11.208	164	494438	6.513	ppbv	96
53) Toluene	9.796	91	107790m	0.430	ppbv	
59) m/p-Xylene	12.957	91	34824m	0.143	ppbv	

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

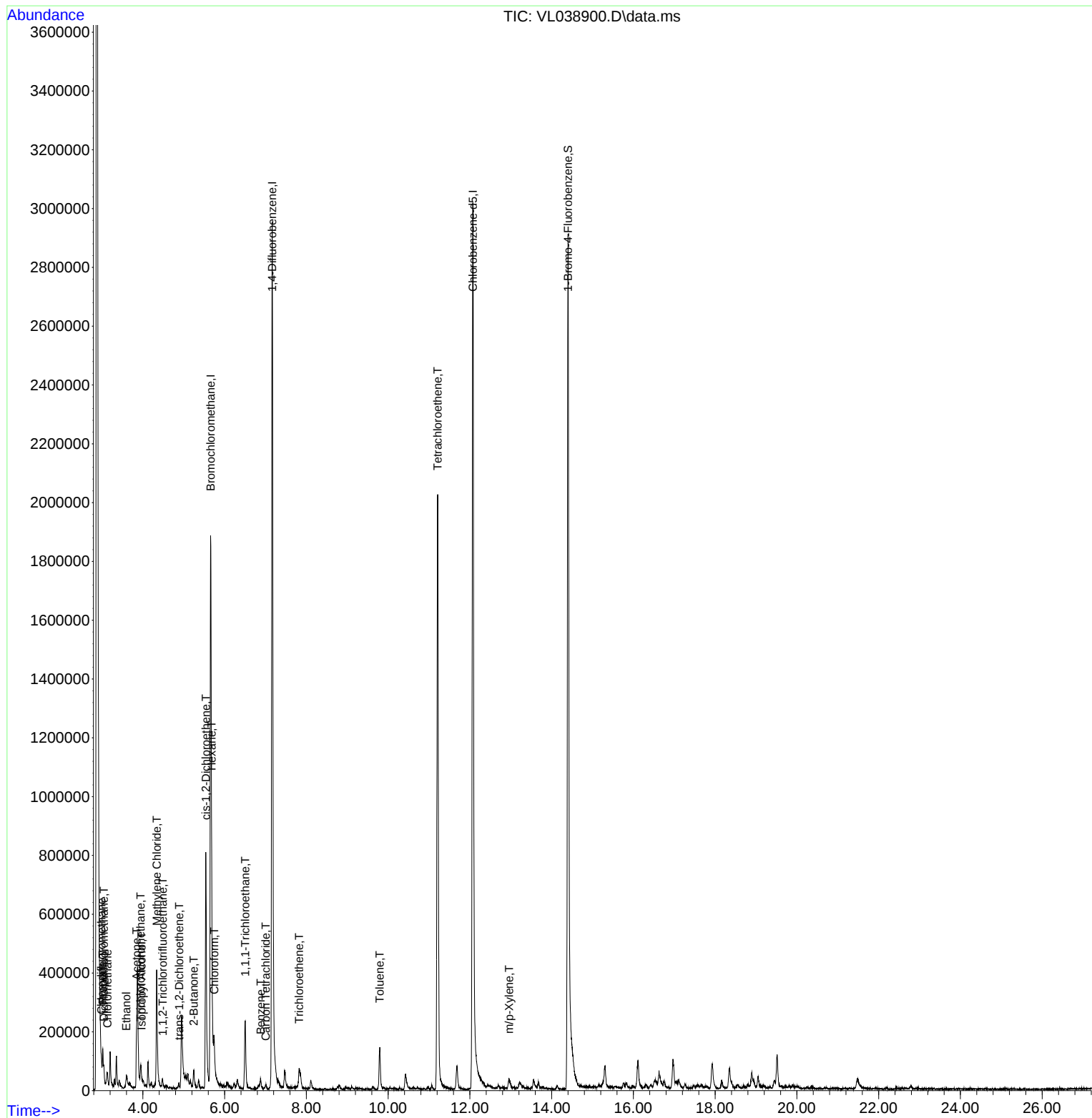
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
Data File : VL038900.D
Acq On : 12 Apr 2022 21:15
Operator : SY/AP
Sample : N2339-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

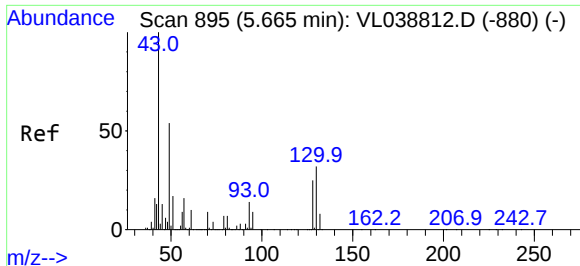
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

Quant Time: Apr 13 01:19:57 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

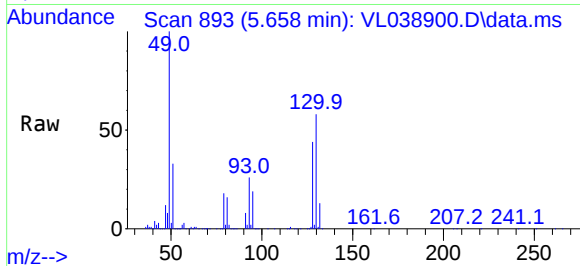
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

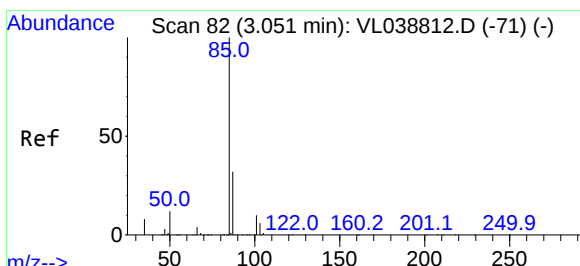
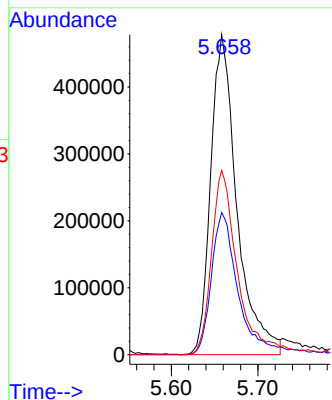
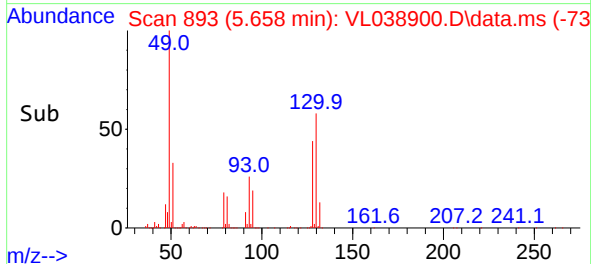
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



Tgt Ion: 49 Resp: 100566
Ion Ratio Lower Upper
49 100
128 46.9 24.1 72.3
130 59.7 30.9 92.8

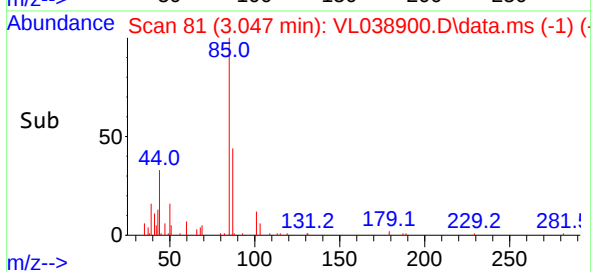
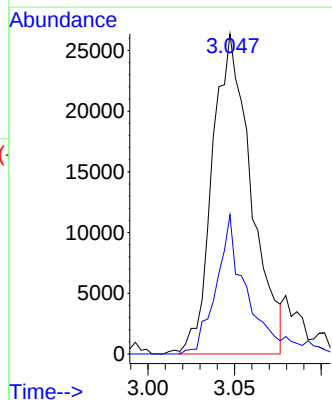
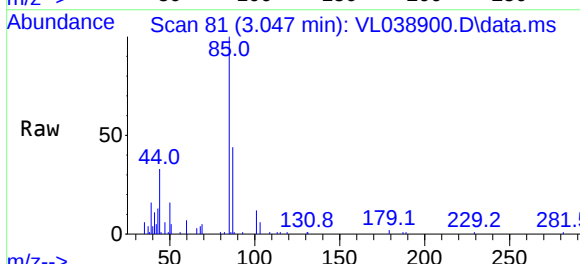
Manual Integrations
APPROVED

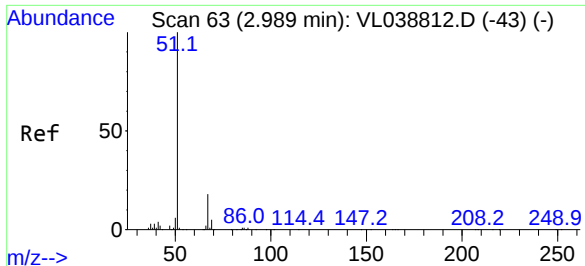
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#2
Dichlorodifluoromethane
Concen: 0.288 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

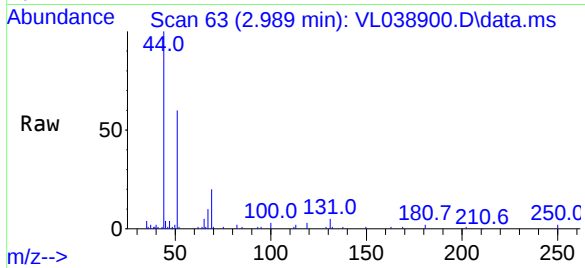
Tgt Ion: 85 Resp: 41076
Ion Ratio Lower Upper
85 100
87 43.9 25.9 38.9





#3
Chlorodifluoromethane
Concen: 0.397 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

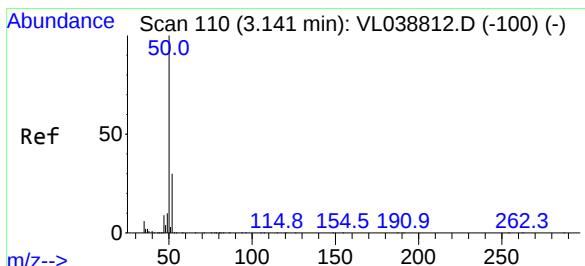
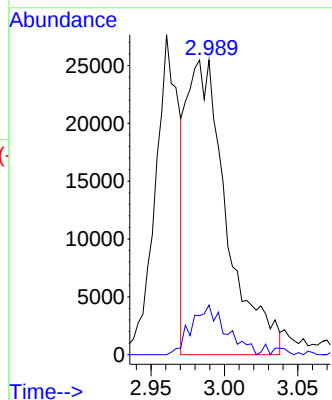
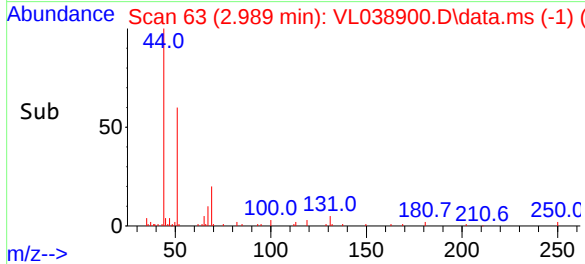
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



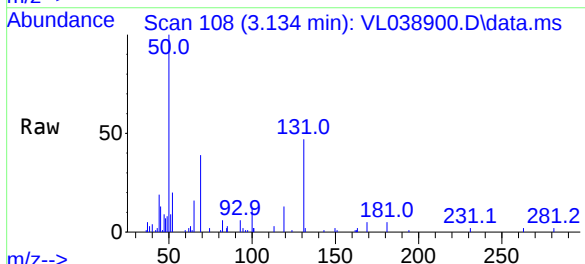
Tgt Ion: 51 Resp: 48694
Ion Ratio Lower Upper
51 100
67 14.8 13.4 20.0

Manual Integrations
APPROVED

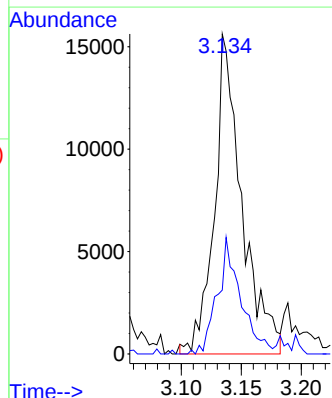
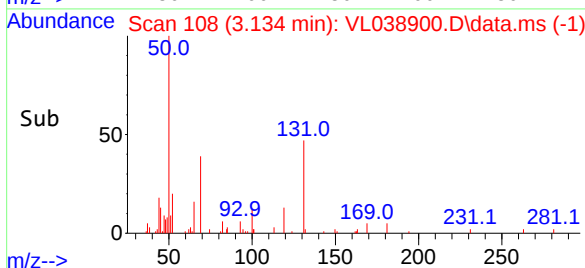
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

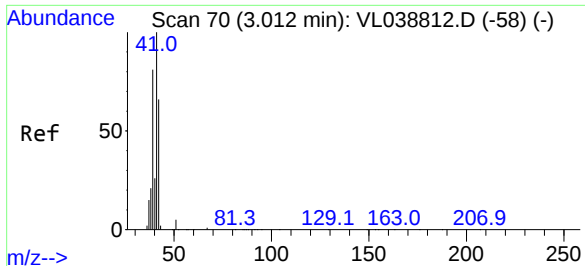


#4
Chloromethane
Concen: 0.390 ppbv m
RT: 3.134 min Scan# 108
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15



Tgt Ion: 50 Resp: 24775
Ion Ratio Lower Upper
50 100
52 19.9 24.3 36.5#





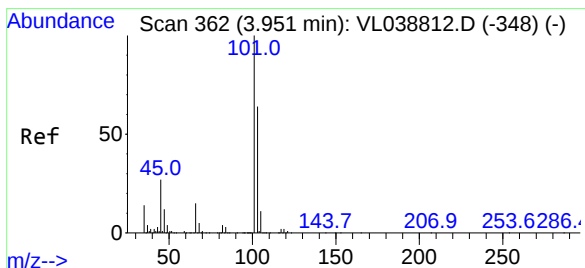
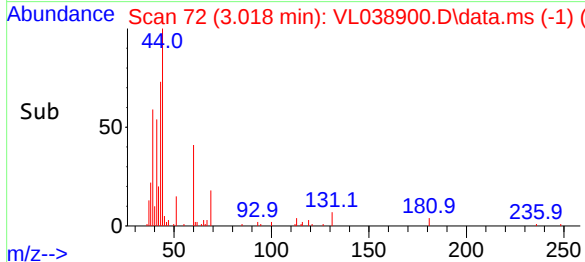
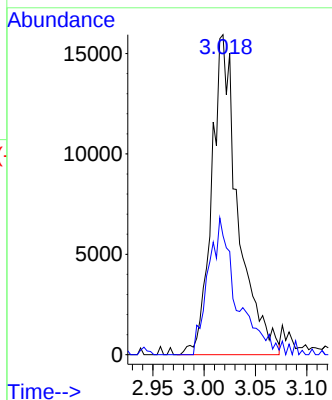
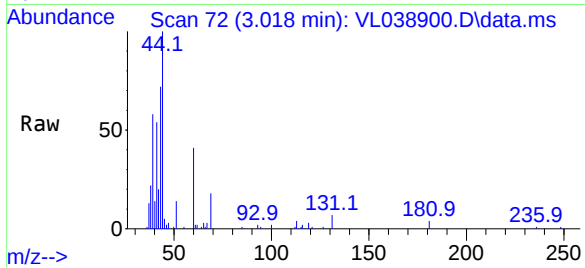
#9
Propene
Concen: 0.439 ppbv m
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

Tgt Ion: 41 Resp: 28534
Ion Ratio Lower Upper
41 100
42 4.3 54.2 81.4

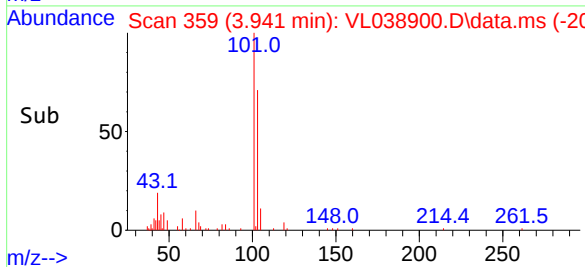
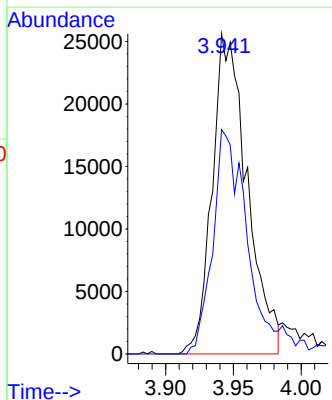
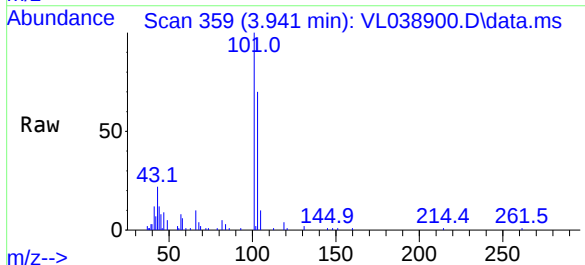
Manual Integrations
APPROVED

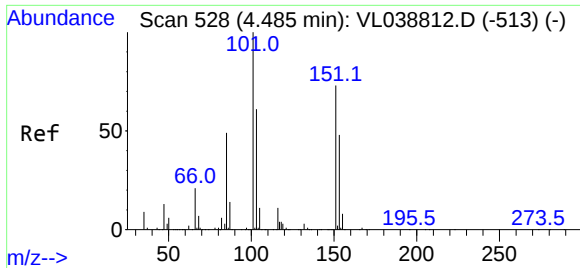
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#11
Trichlorofluoromethane
Concen: 0.401 ppbv
RT: 3.941 min Scan# 359
Delta R.T. -0.010 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Tgt Ion:101 Resp: 45937
Ion Ratio Lower Upper
101 100
103 70.1 51.4 77.0





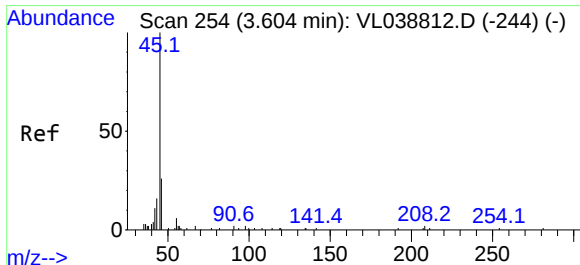
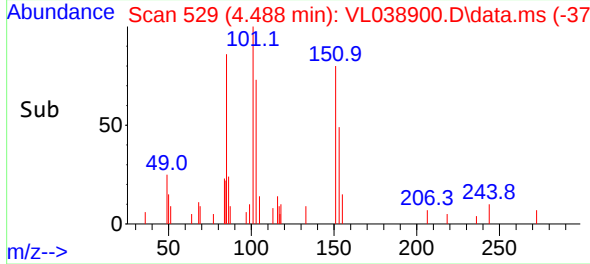
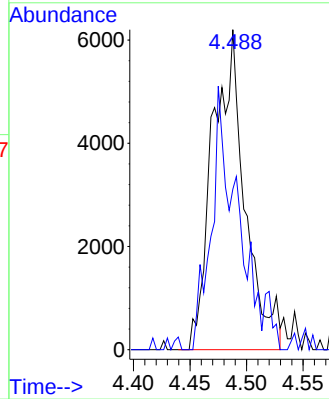
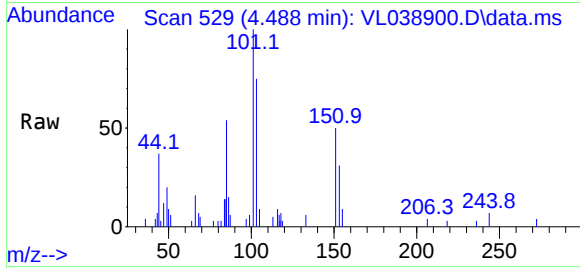
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.140 ppbv m
RT: 4.488 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

Tgt Ion:101 Resp: 12308
Ion Ratio Lower Upper
101 100
151 70.0 59.9 89.9

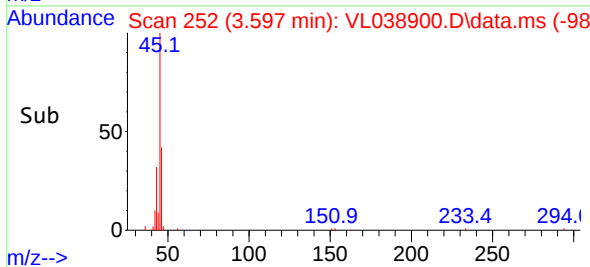
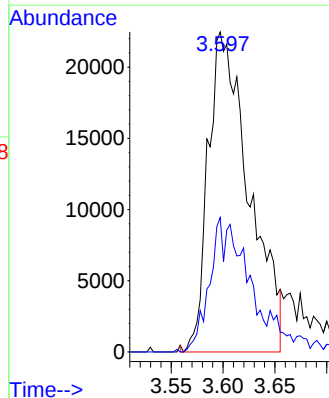
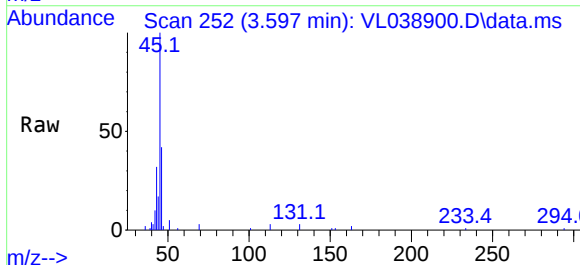
Manual Integrations
APPROVED

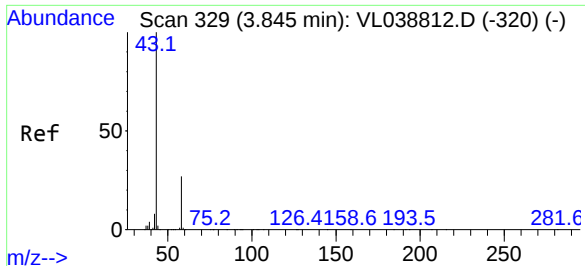
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#13
Ethanol
Concen: 15.619 ppbv m
RT: 3.597 min Scan# 252
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

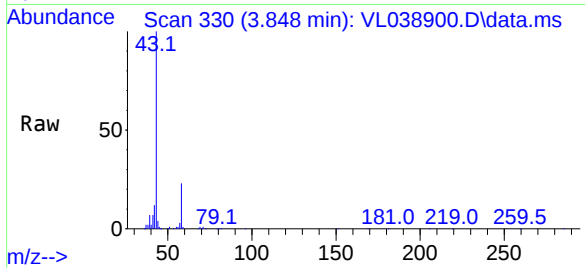
Tgt Ion: 45 Resp: 61635
Ion Ratio Lower Upper
45 100
46 43.2 0.0 0.0#





#15
Acetone
Concen: 3.860 ppbv m
RT: 3.848 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

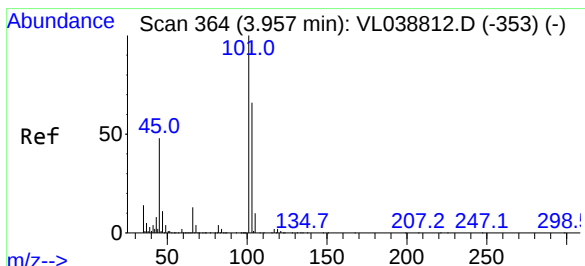
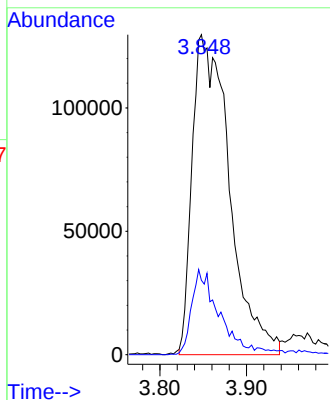
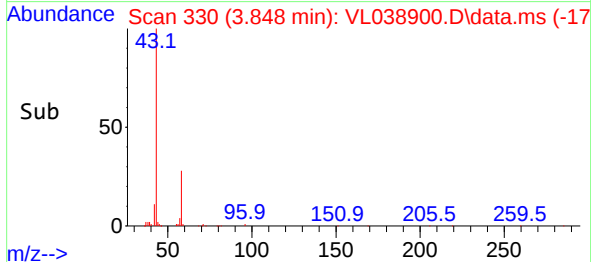
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



Tgt Ion: 43 Resp: 386518
Ion Ratio Lower Upper
43 100
58 20.5 22.5 33.7

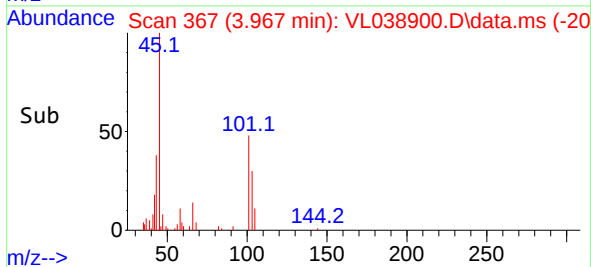
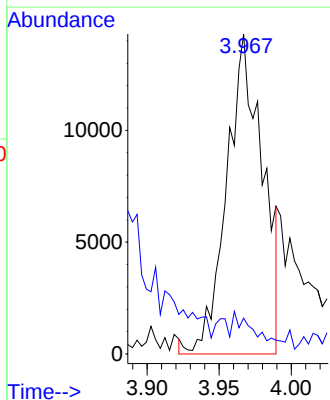
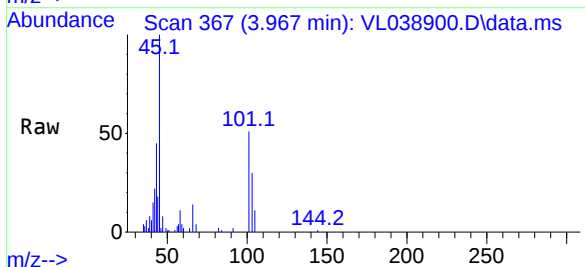
Manual Integrations
APPROVED

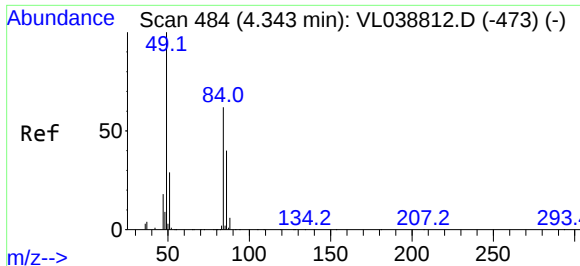
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#19
Isopropyl Alcohol
Concen: 0.483 ppbv m
RT: 3.967 min Scan# 367
Delta R.T. 0.010 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

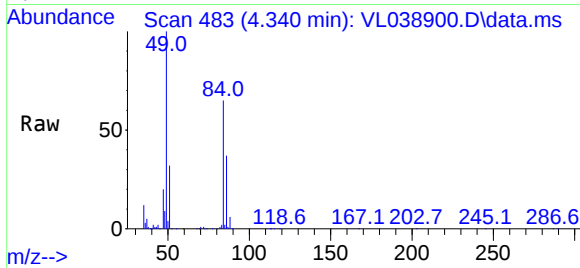
Tgt Ion: 45 Resp: 24740
Ion Ratio Lower Upper
45 100
58 11.8 0.0 0.0





#20
Methylene Chloride
Concen: 4.469 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

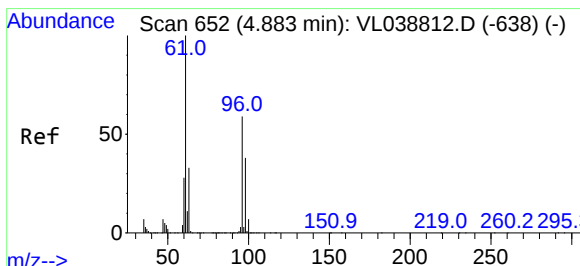
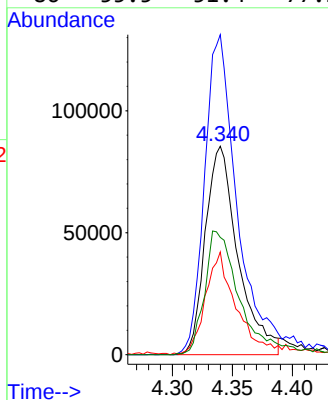
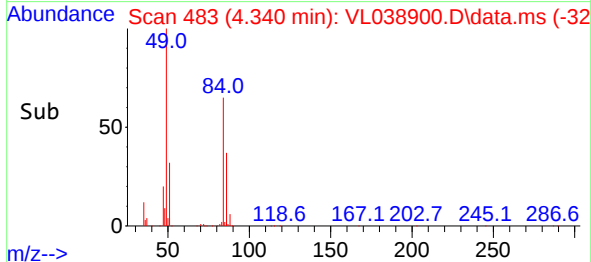
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



Tgt Ion: 84 Resp: 162277
Ion Ratio Lower Upper
84 100
49 152.9 129.4 194.0
51 48.8 37.4 56.2
86 55.5 51.4 77.2

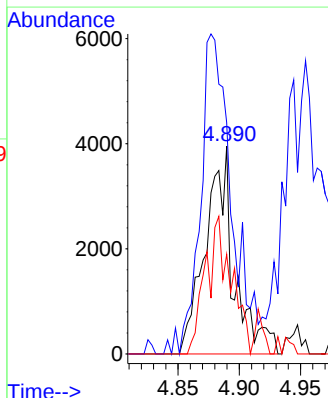
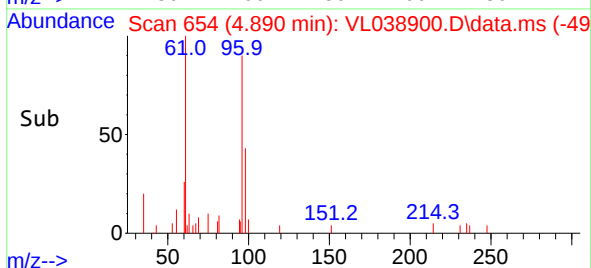
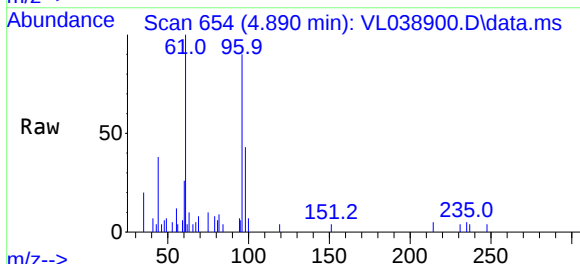
Manual Integrations
APPROVED

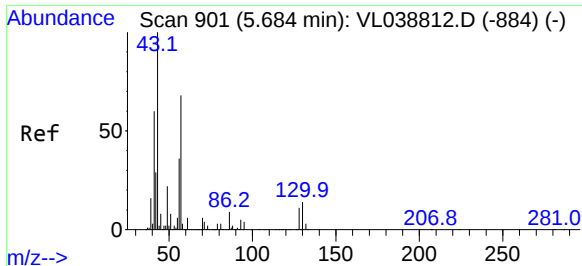
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#22
trans-1,2-Dichloroethene
Concen: 0.158 ppbv m
RT: 4.890 min Scan# 654
Delta R.T. 0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Tgt Ion: 96 Resp: 6389
Ion Ratio Lower Upper
96 100
61 111.3 134.8 202.2#
98 48.0 51.9 77.9#





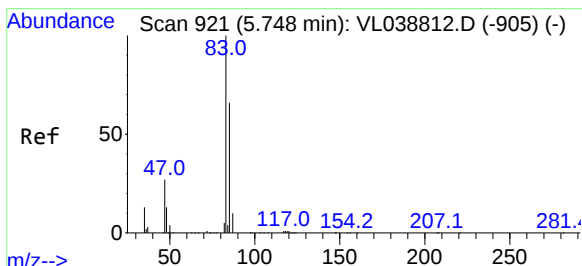
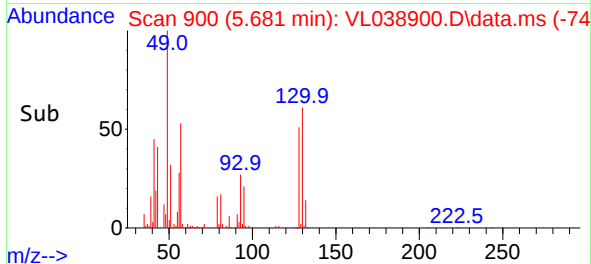
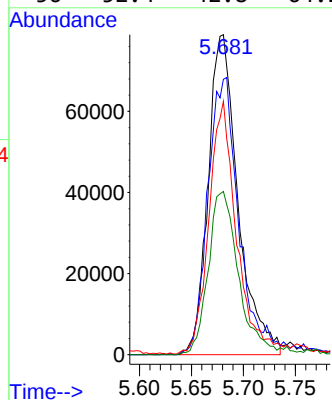
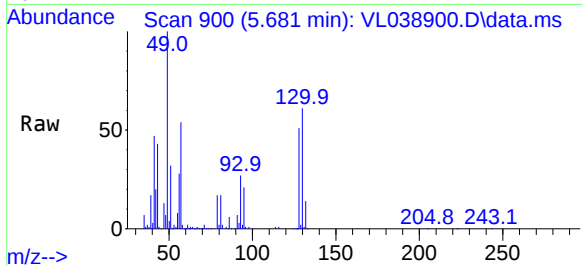
#26
Hexane
Concen: 1.363 ppbv
RT: 5.681 min Scan# 901
Delta R.T. -0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

Tgt Ion: 57 Resp: 157629
Ion Ratio Lower Upper
57 100
41 93.3 72.0 108.0
43 74.8 186.6 280.0
56 52.4 42.8 64.2

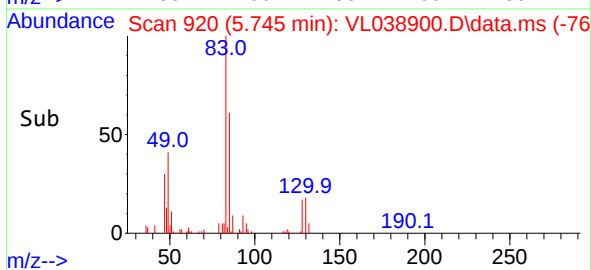
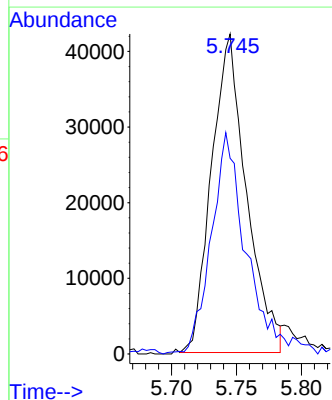
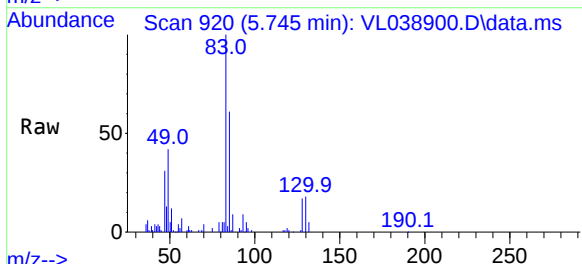
Manual Integrations
APPROVED

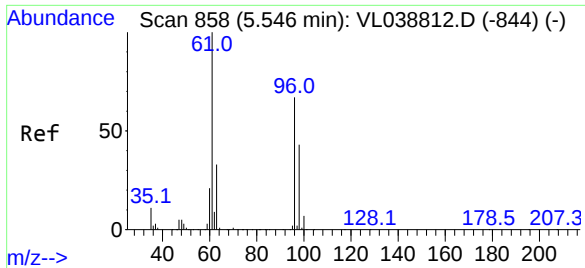
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#29
Chloroform
Concen: 0.488 ppbv
RT: 5.745 min Scan# 920
Delta R.T. -0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

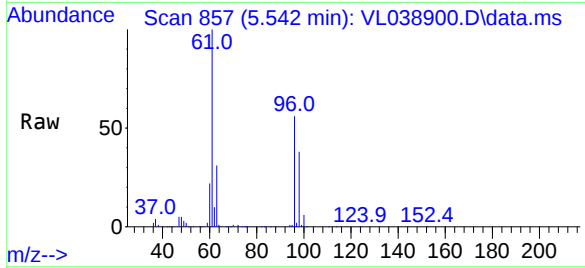
Tgt Ion: 83 Resp: 78922
Ion Ratio Lower Upper
83 100
85 60.6 52.5 78.7





#31
 cis-1,2-Dichloroethene
 Concen: 4.827 ppbv
 RT: 5.542 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL038900.D
 Acq: 12 Apr 2022 21:15

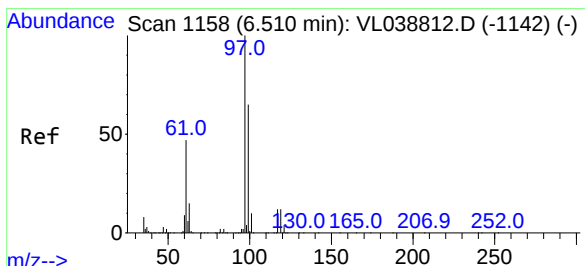
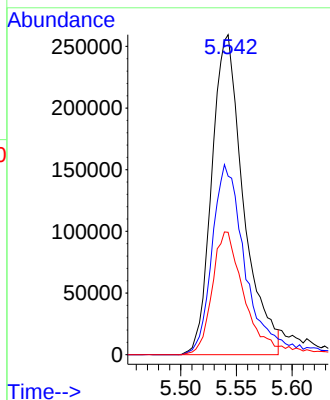
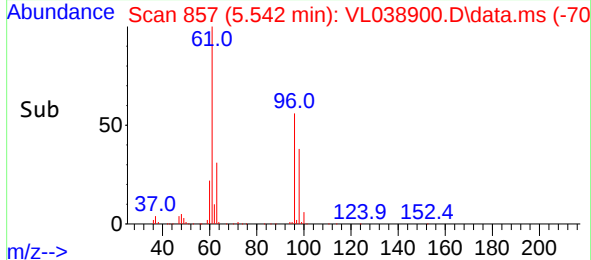
Instrument : MSVOA_L
 ClientSampleId : SVE-EFFLUENTDUP



Tgt Ion: 61 Resp: 513240
 Ion Ratio Lower Upper
 61 100
 96 55.8 53.4 80.0
 98 38.2 34.2 51.4

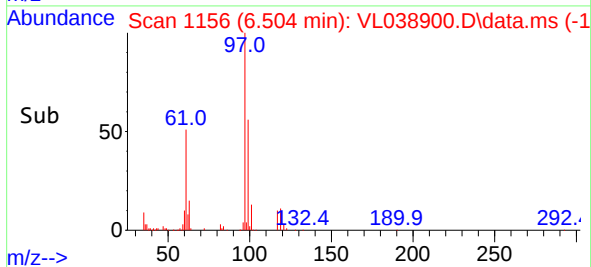
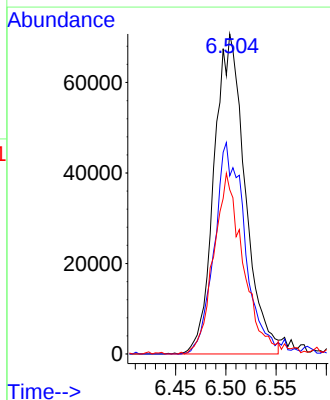
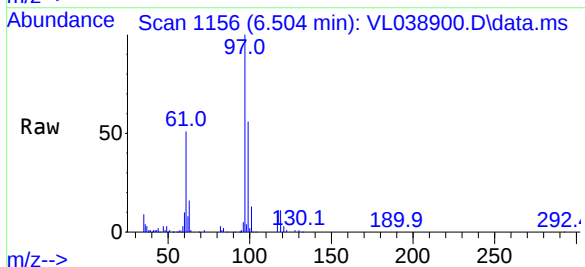
Manual Integrations
 APPROVED

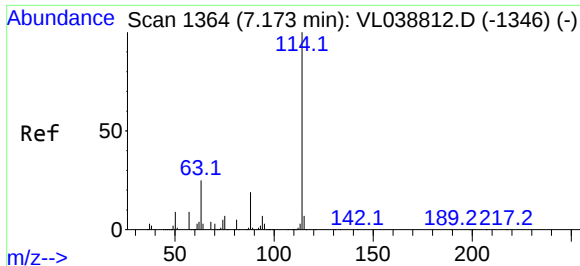
Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.929 ppbv
 RT: 6.504 min Scan# 1156
 Delta R.T. -0.006 min
 Lab File: VL038900.D
 Acq: 12 Apr 2022 21:15

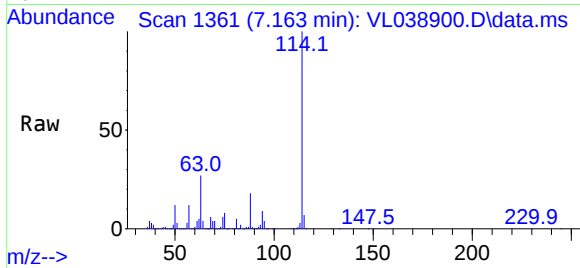
Tgt Ion: 97 Resp: 151372
 Ion Ratio Lower Upper
 97 100
 99 67.0 52.4 78.6
 61 55.2 38.6 57.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

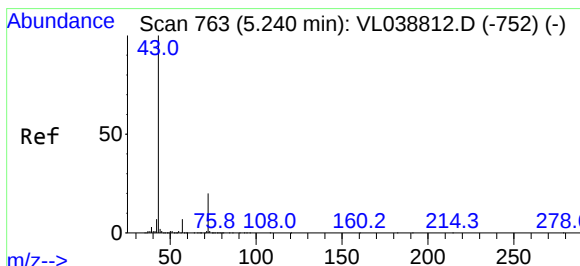
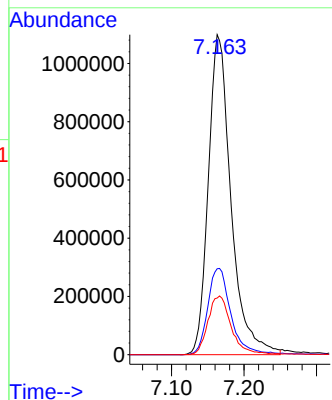
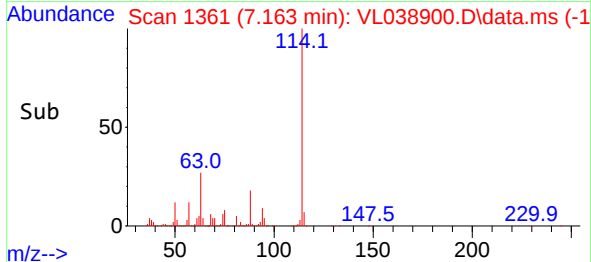
Instrument : MSVOA_L
ClientSampleId : SVE-EFFLUENTDUP



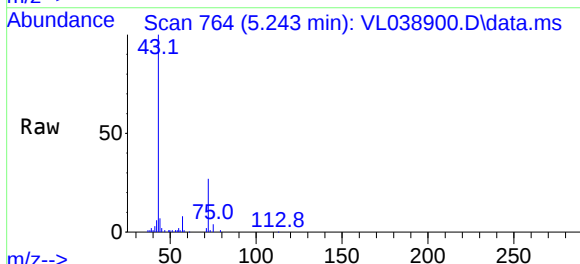
Tgt Ion:114 Resp: 2389174
Ion Ratio Lower Upper
114 100
63 28.0 19.8 29.8
88 19.2 14.2 21.4

Manual Integrations
APPROVED

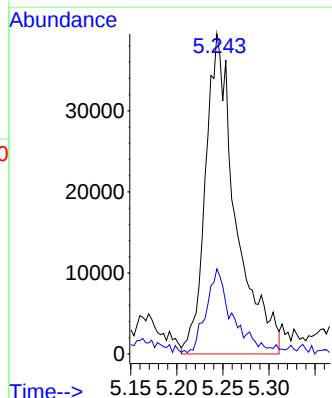
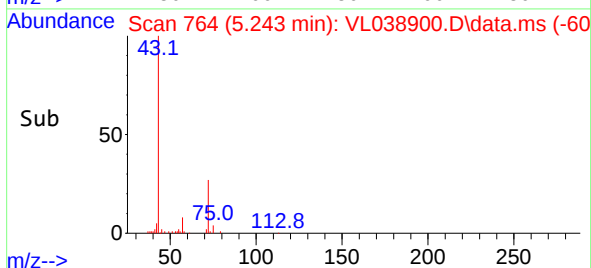
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

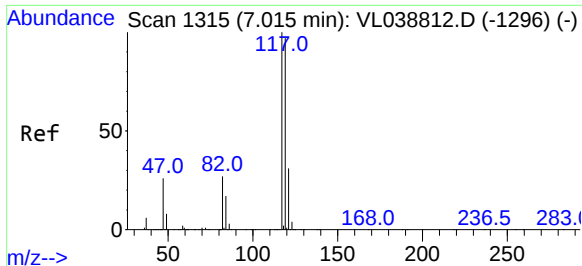


#34
2-Butanone
Concen: 0.960 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15



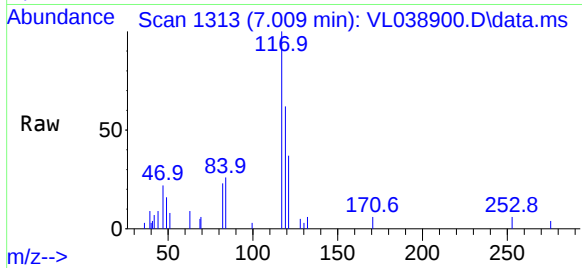
Tgt Ion: 43 Resp: 90587
Ion Ratio Lower Upper
43 100
72 23.8 16.9 25.3





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 7.009 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

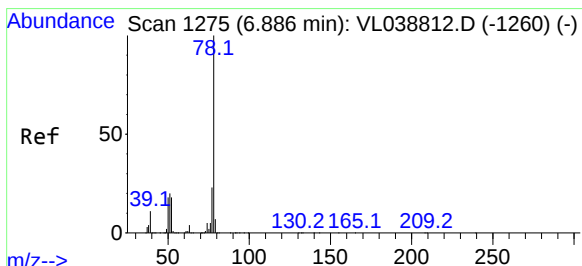
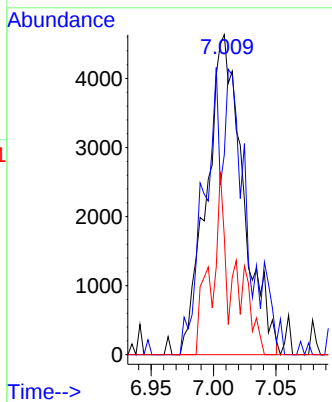
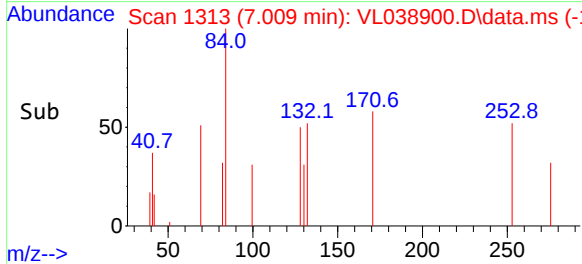
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



Tgt Ion: 117 Resp: 939
Ion Ratio Lower Upper
117 100
119 62.4 77.7 116.5
121 37.0 24.5 36.7

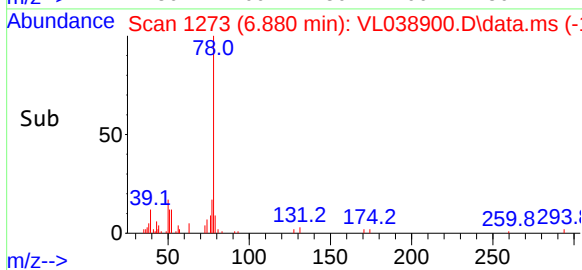
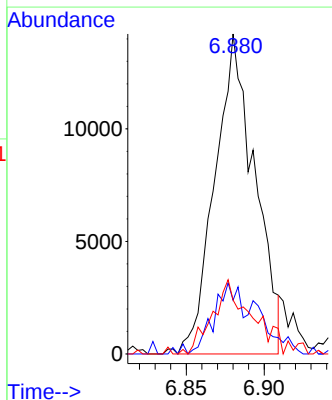
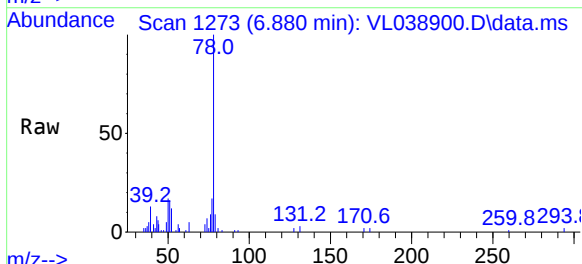
Manual Integrations
APPROVED

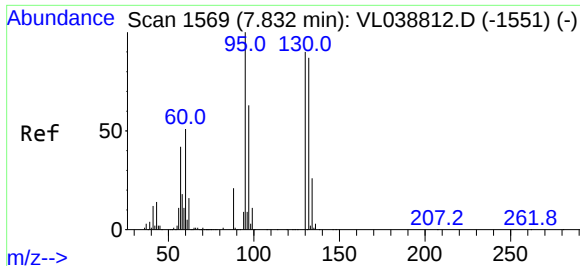
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#36
Benzene
Concen: 0.116 ppbv
RT: 6.880 min Scan# 1273
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

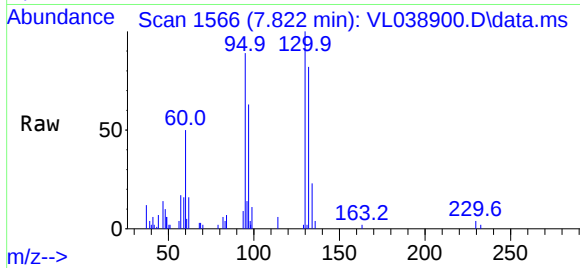
Tgt Ion: 78 Resp: 25310
Ion Ratio Lower Upper
78 100
77 16.8 18.2 27.2#
50 16.9 14.0 21.0





#38
Trichloroethene
Concen: 0.237 ppbv m
RT: 7.822 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP

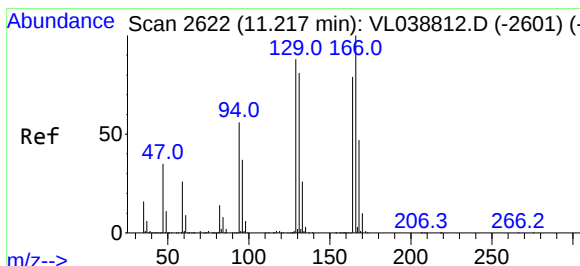
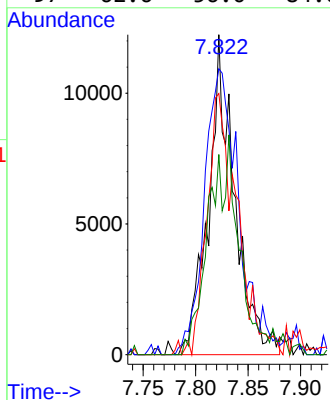
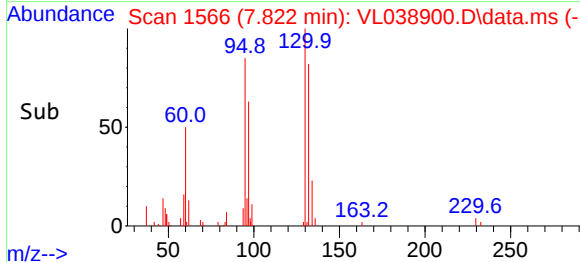


Tgt Ion:130 Resp: 2114

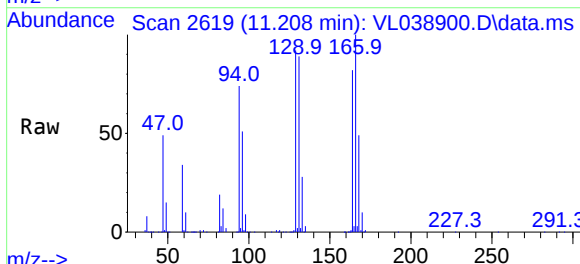
Ion	Ratio	Lower	Upper
130	100		
95	89.4	89.4	134.0
132	81.6	77.7	116.5
97	62.6	56.0	84.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

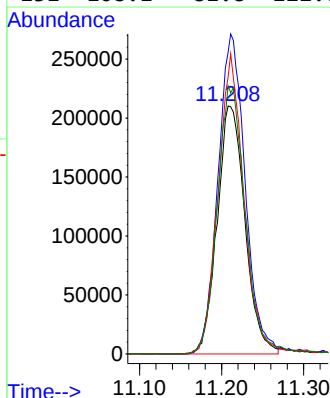
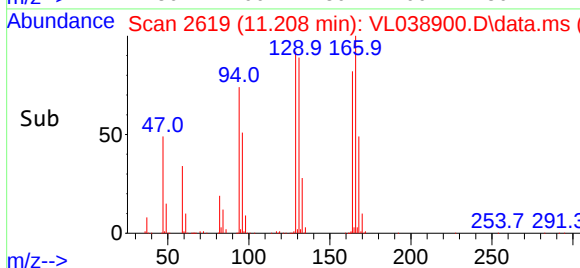


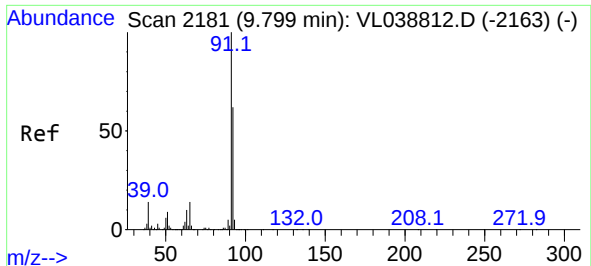
#52
Tetrachloroethene
Concen: 6.513 ppbv
RT: 11.208 min Scan# 2619
Delta R.T. -0.010 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15



Tgt Ion:164 Resp: 494438

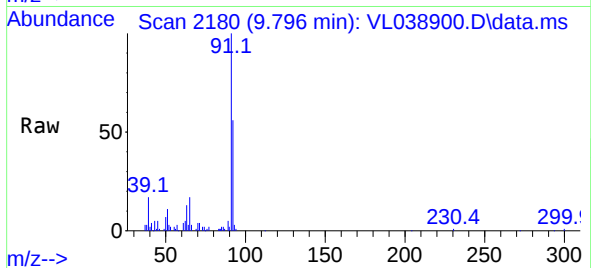
Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.0	151.6
129	111.7	88.7	133.1
131	108.1	81.8	122.6





#53
Toluene
Concen: 0.430 ppbv m
RT: 9.796 min Scan# 2181
Delta R.T. -0.003 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15

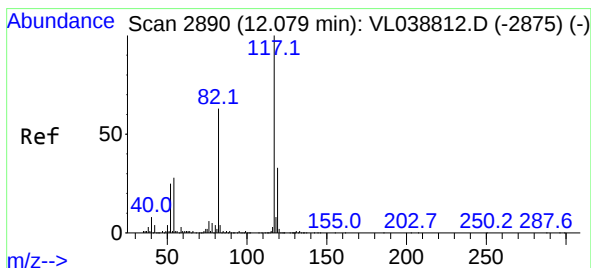
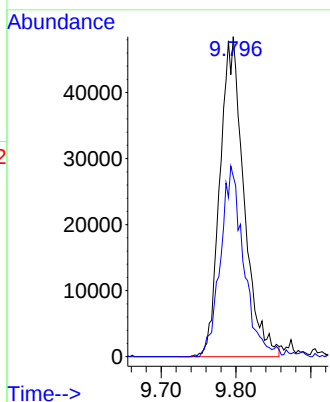
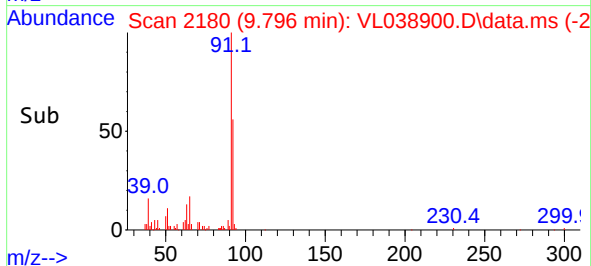
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENTDUP



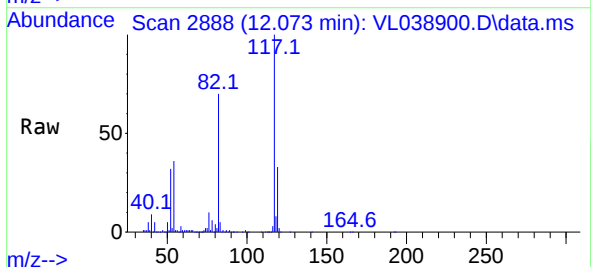
Tgt Ion: 91 Resp: 107790
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8

Manual Integrations
APPROVED

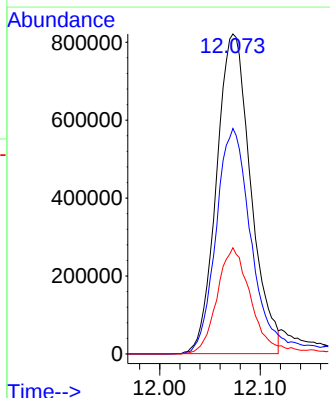
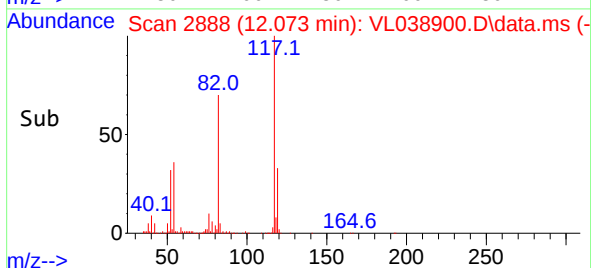
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

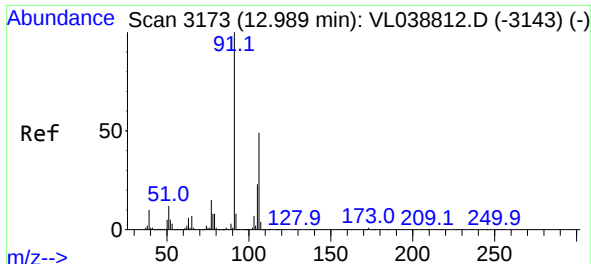


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2888
Delta R.T. -0.006 min
Lab File: VL038900.D
Acq: 12 Apr 2022 21:15



Tgt Ion:117 Resp: 1943627
Ion Ratio Lower Upper
117 100
82 76.5 53.0 79.6
119 34.8 24.9 37.3





#59

m/p-Xylene

Concen: 0.143 ppbv

RT: 12.957 min Scan# 3173

Delta R.T. -0.032 min

Lab File: VL038900.D

Acq: 12 Apr 2022 21:15

Instrument :

MSVOA_L

ClientSampleId :

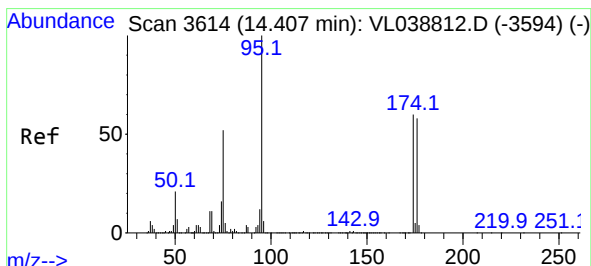
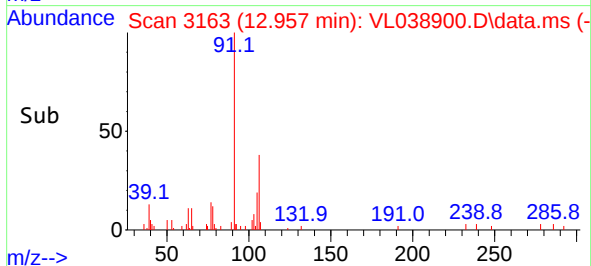
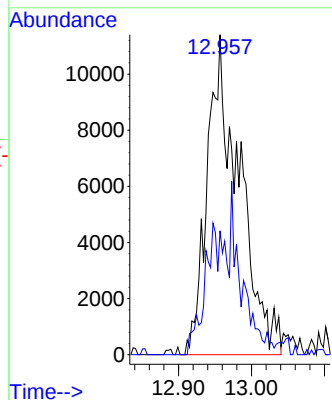
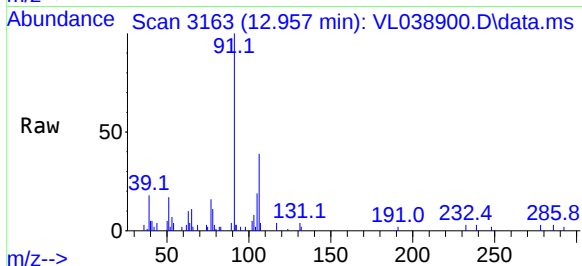
SVE-EFFLUENTDUP

Tgt Ion: 91 Resp: 34824
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.736 ppbv

RT: 14.401 min Scan# 3612

Delta R.T. -0.006 min

Lab File: VL038900.D

Acq: 12 Apr 2022 21:15

Tgt Ion: 95 Resp: 1582795
 Ion Ratio Lower Upper
 95 100
 174 64.4 52.0 78.0
 175 4.5 4.0 6.0

