

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038896.D
 Acq On : 12 Apr 2022 17:49
 Operator : SY/AP
 Sample : N2339-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
 APPROVED

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

Quant Time: Apr 13 01:18:37 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	5.664	49	1095855	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	2663691	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2266595	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	1780793	10.358	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.047	85	105463	0.678	ppbv	99
3) Chlorodifluoromethane	2.986	51	53169m	0.398	ppbv	
4) Chloromethane	3.137	50	26814m	0.387	ppbv	
9) Propene	3.018	41	32994m	0.466	ppbv	
11) Trichlorofluoromethane	3.947	101	44970	0.360	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.484	101	11391m	0.119	ppbv	
13) Ethanol	3.603	45	60737	14.124	ppbv #	100
15) Acetone	3.851	43	396674m	3.636	ppbv	
19) Isopropyl Alcohol	3.967	45	25528m	0.458	ppbv	
20) Methylene Chloride	4.343	84	173235	4.378	ppbv	98
22) trans-1,2-Dichloroethene	4.883	96	6140	0.139	ppbv #	91
26) Hexane	5.684	57	198208	1.573	ppbv #	41
29) Chloroform	5.748	83	91886	0.521	ppbv	93
31) cis-1,2-Dichloroethene	5.545	61	576934	4.980	ppbv	93
32) 1,1,1-Trichloroethane	6.507	97	163437	0.920	ppbv	96
34) 2-Butanone	5.246	43	96274	0.915	ppbv #	88
35) Carbon Tetrachloride	7.015	117	9638m	0.060	ppbv	
36) Benzene	6.883	78	29309	0.121	ppbv	95
38) Trichloroethene	7.832	130	22700m	0.228	ppbv	
52) Tetrachloroethene	11.214	164	554305	6.549	ppbv	96
53) Toluene	9.796	91	115818	0.414	ppbv	95
59) m/p-Xylene	12.966	91	39949m	0.140	ppbv	

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

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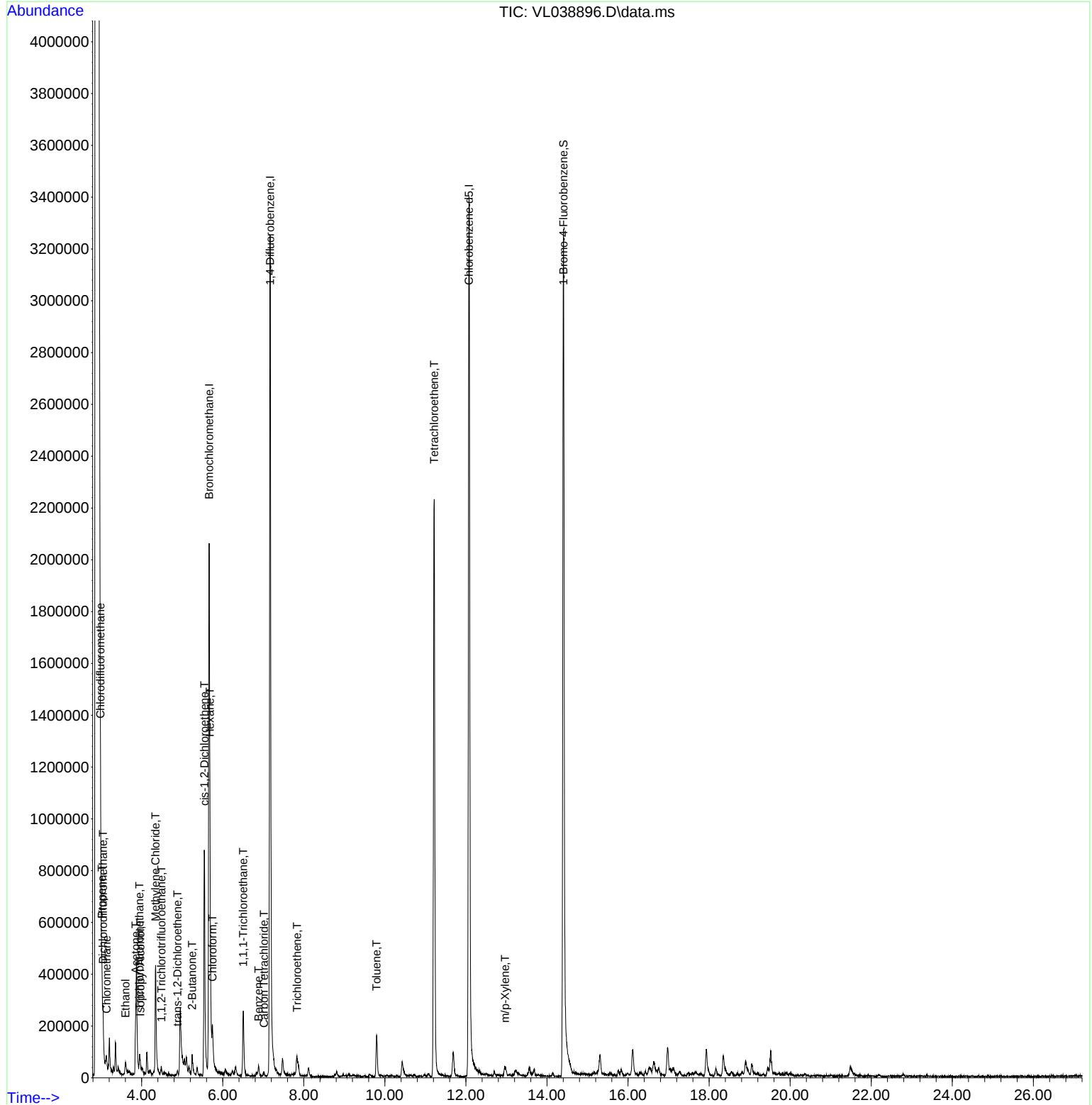
Quant Time: Apr 13 01:18:37 2022

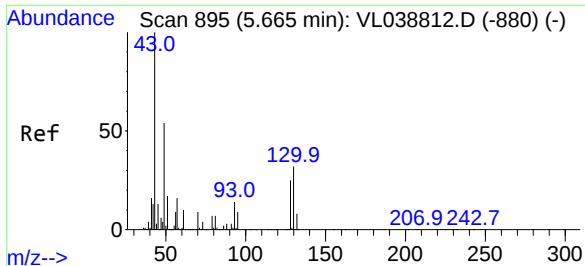
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

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

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

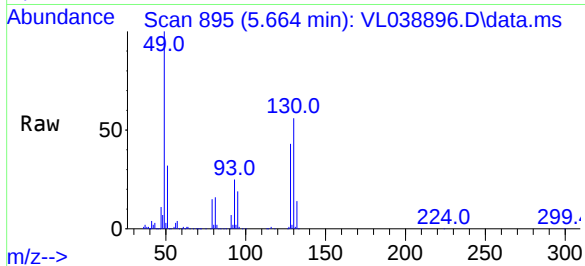
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

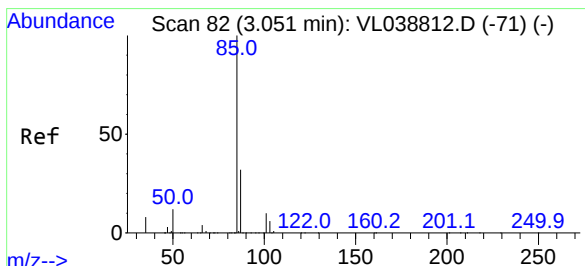
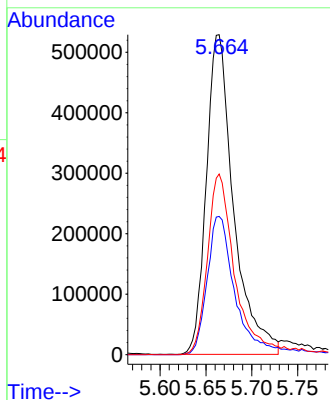
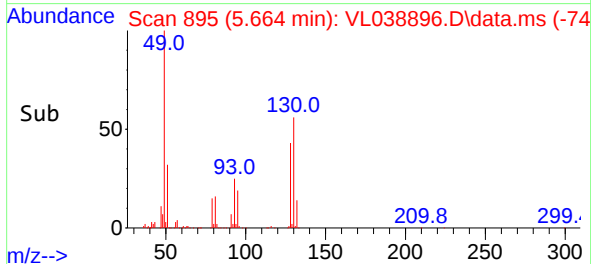
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



Tgt Ion: 49 Resp: 109585
Ion Ratio Lower Upper
49 100
128 45.6 24.1 72.3
130 59.7 30.9 92.8

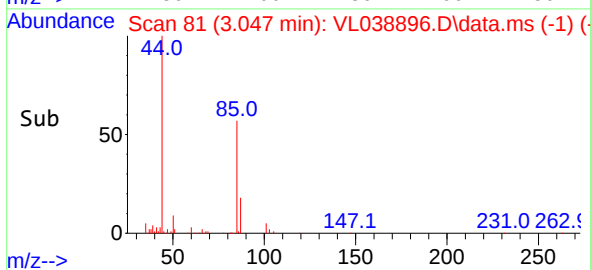
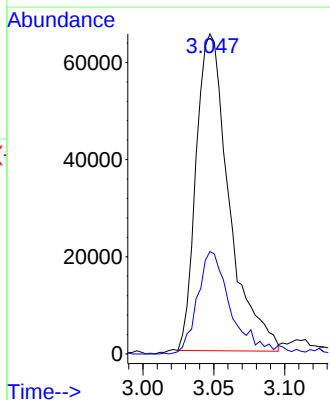
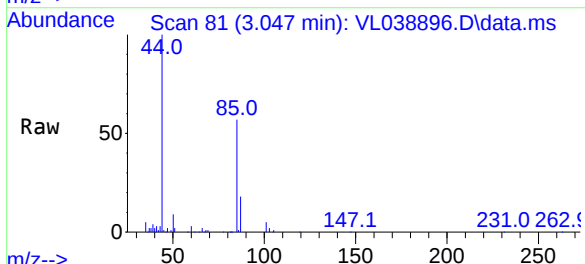
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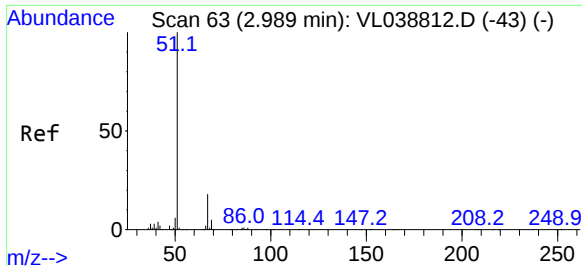
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#2
Dichlorodifluoromethane
Concen: 0.678 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

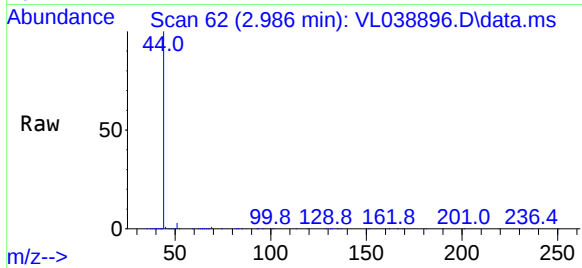
Tgt Ion: 85 Resp: 105463
Ion Ratio Lower Upper
85 100
87 31.6 25.9 38.9





#3
Chlorodifluoromethane
Concen: 0.398 ppbv m
RT: 2.986 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

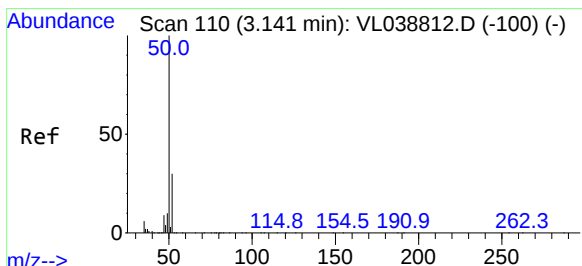
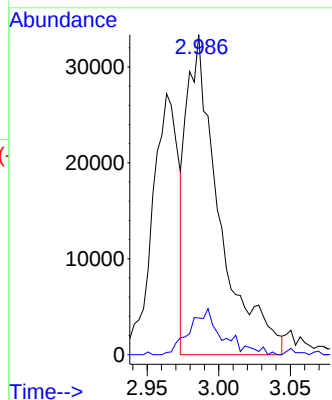
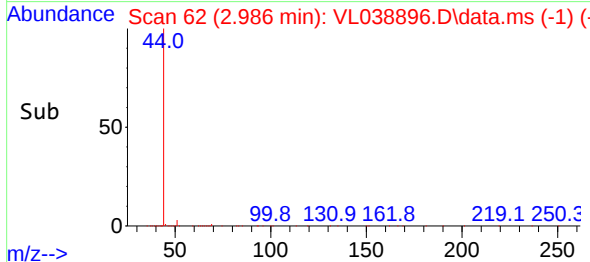
Instrument :
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Tgt Ion: 51 Resp: 53169
Ion Ratio Lower Upper
51 100
67 14.5 13.4 20.0

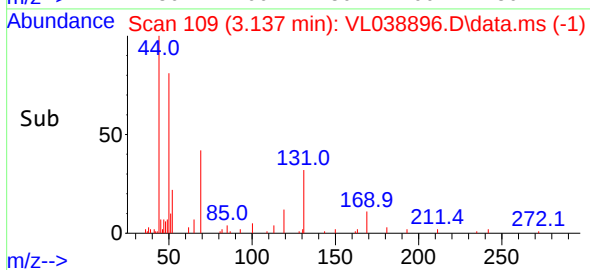
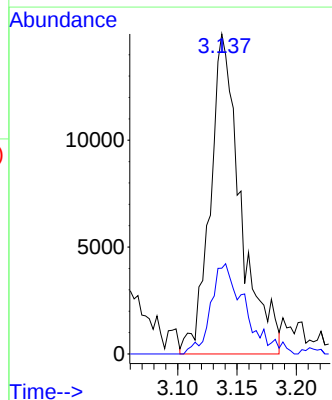
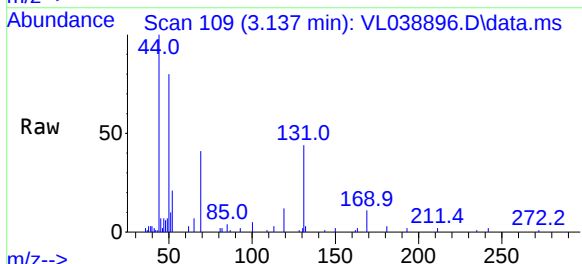
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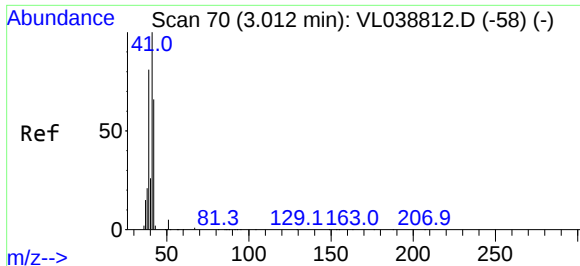
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#4
Chloromethane
Concen: 0.387 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

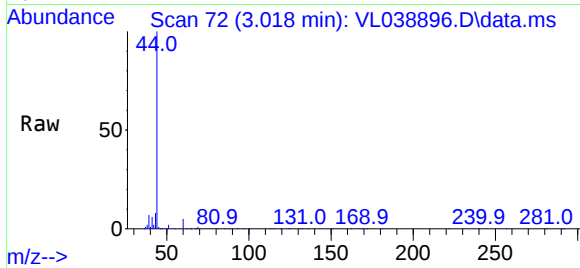
Tgt Ion: 50 Resp: 26814
Ion Ratio Lower Upper
50 100
52 26.8 24.3 36.5





#9
Propene
Concen: 0.466 ppbv m
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

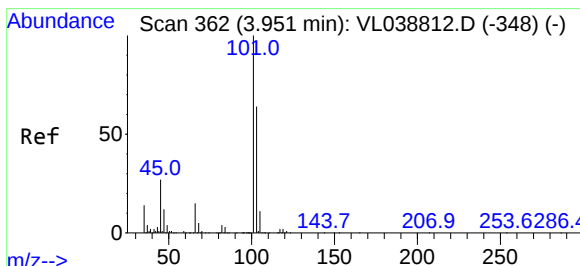
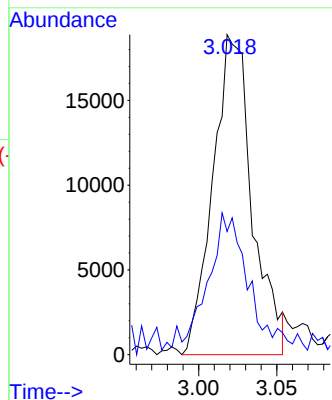
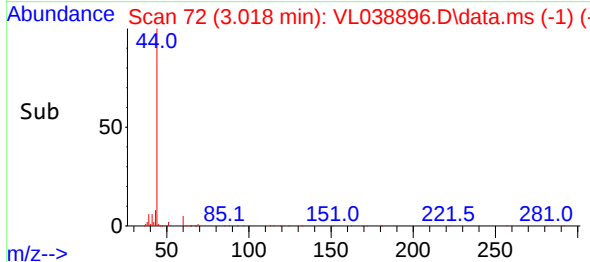
Instrument :
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SVE-EFFLUENT



Tgt Ion: 41 Resp: 32994
Ion Ratio Lower Upper
41 100
42 48.7 54.2 81.4

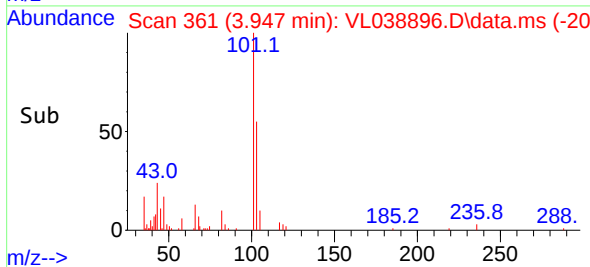
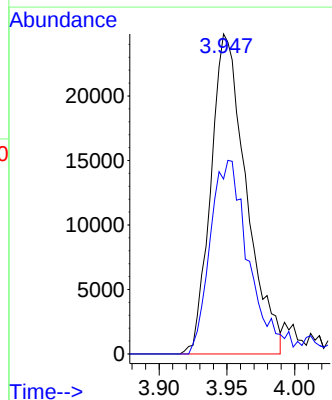
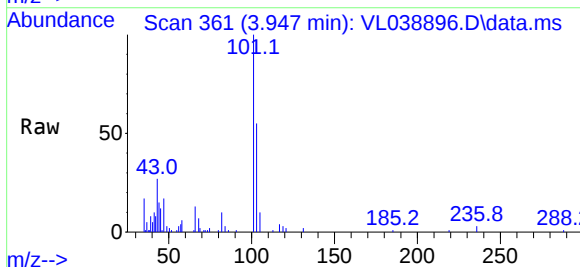
Manual Integrations
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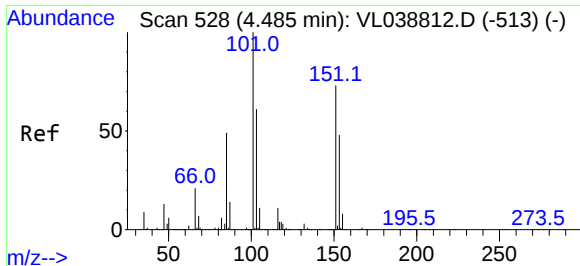
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#11
Trichlorofluoromethane
Concen: 0.360 ppbv
RT: 3.947 min Scan# 361
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

Tgt Ion:101 Resp: 44970
Ion Ratio Lower Upper
101 100
103 54.6 51.4 77.0





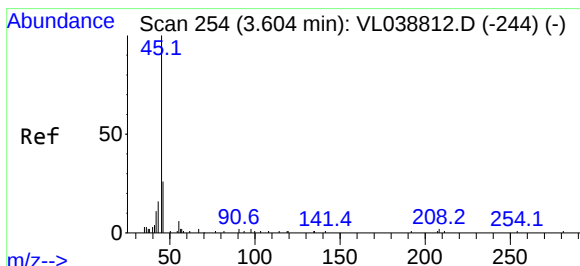
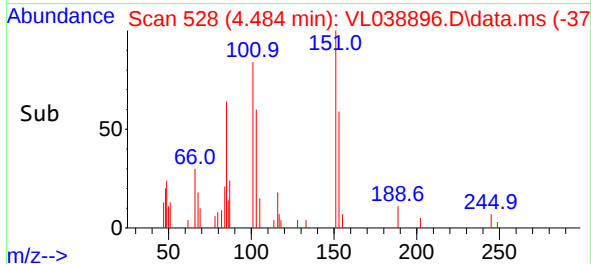
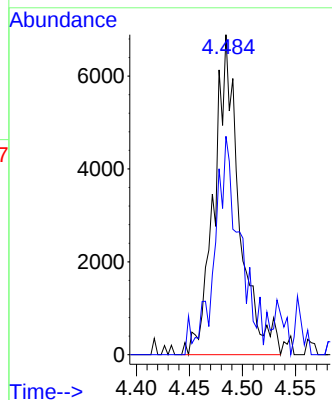
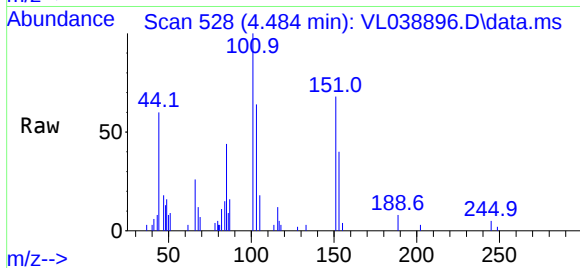
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.119 ppbv m
RT: 4.484 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tgt Ion:101 Resp: 1139
Ion Ratio Lower Upper
101 100
151 9.2 59.9 89.9

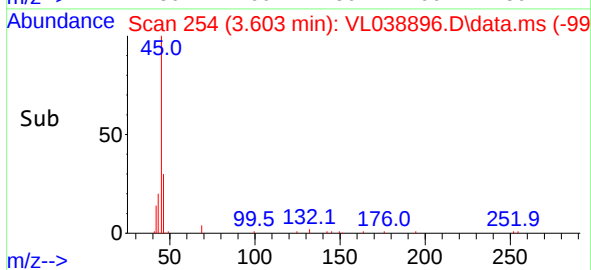
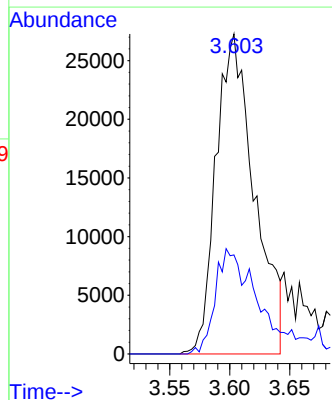
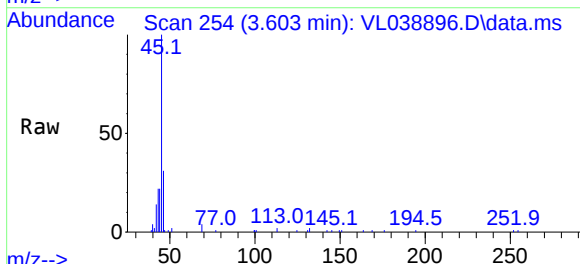
Manual Integrations
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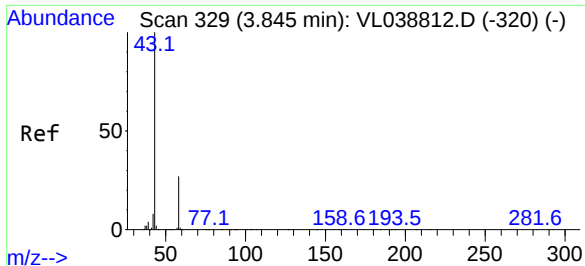
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#13
Ethanol
Concen: 14.124 ppbv
RT: 3.603 min Scan# 254
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

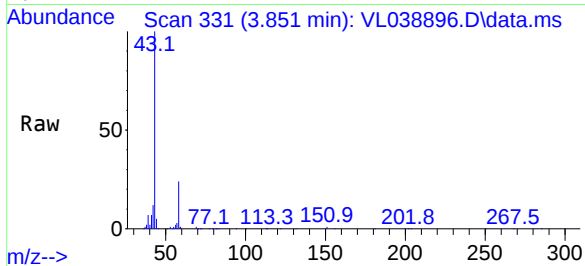
Tgt Ion: 45 Resp: 60737
Ion Ratio Lower Upper
45 100
46 35.6 0.0 0.0





#15
Acetone
Concen: 3.636 ppbv m
RT: 3.851 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

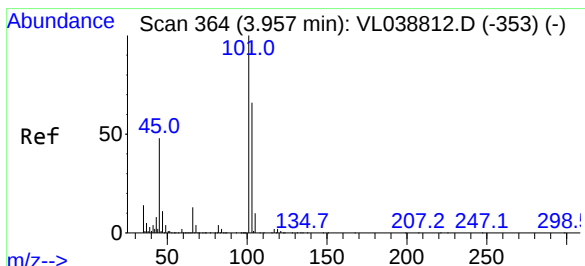
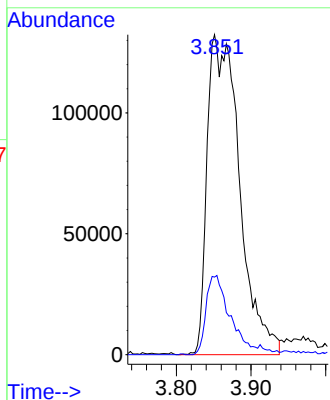
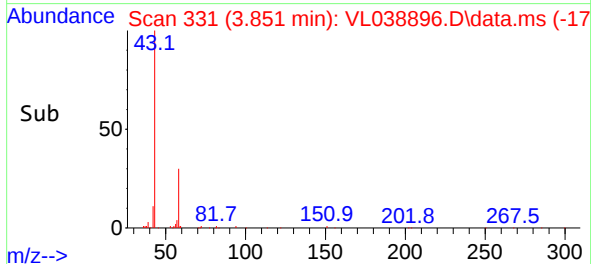
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



Tgt Ion: 43 Resp: 396674
Ion Ratio Lower Upper
43 100
58 20.1 22.5 33.7

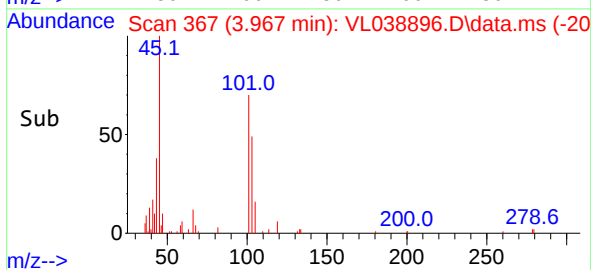
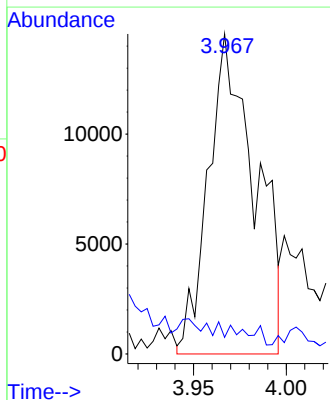
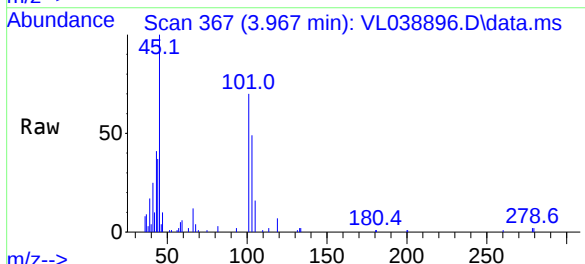
Manual Integrations
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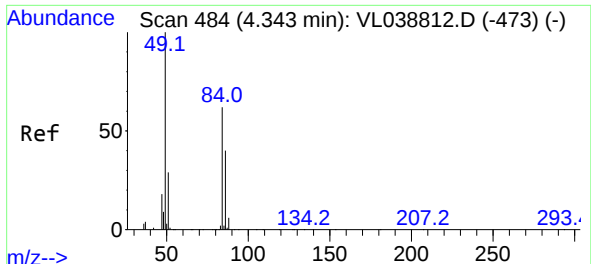
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#19
Isopropyl Alcohol
Concen: 0.458 ppbv m
RT: 3.967 min Scan# 367
Delta R.T. 0.009 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

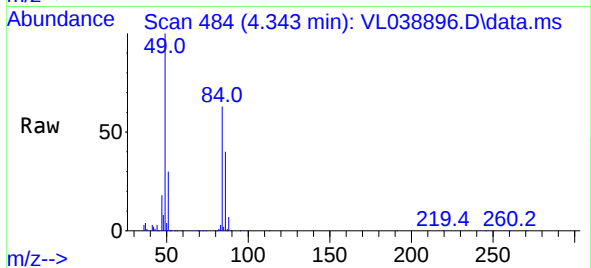
Tgt Ion: 45 Resp: 25528
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0





#20
Methylene Chloride
Concen: 4.378 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

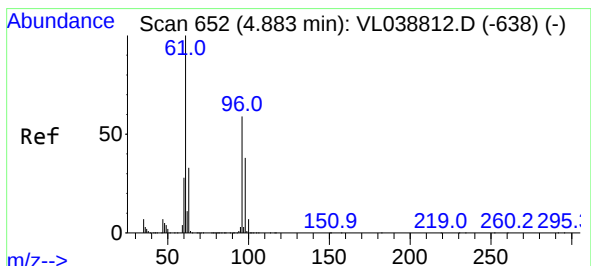
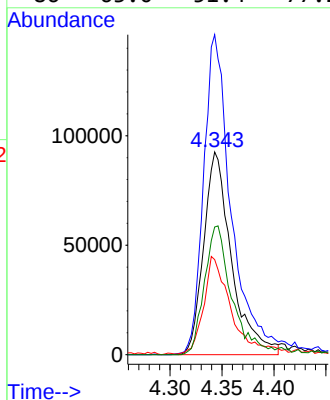
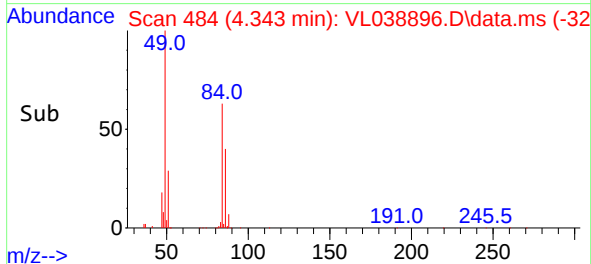
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



Tgt Ion: 84 Resp: 173235
Ion Ratio Lower Upper
84 100
49 157.3 129.4 194.0
51 46.4 37.4 56.2
86 63.0 51.4 77.2

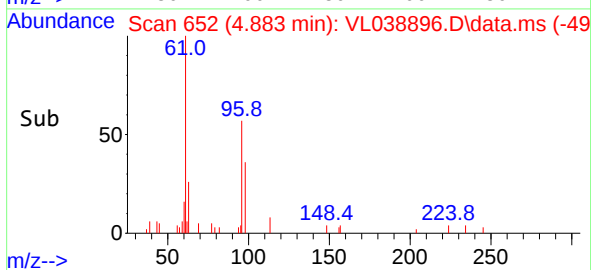
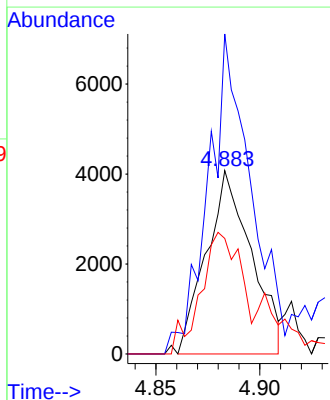
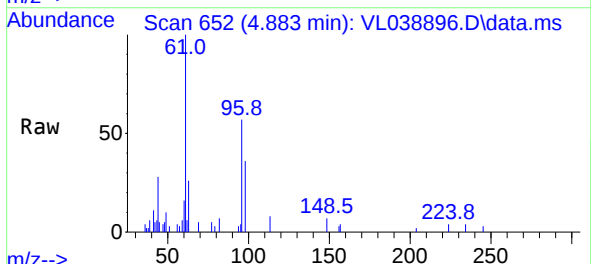
Manual Integrations
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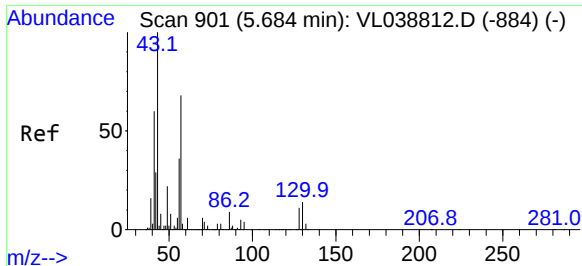
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#22
trans-1,2-Dichloroethene
Concen: 0.139 ppbv
RT: 4.883 min Scan# 652
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

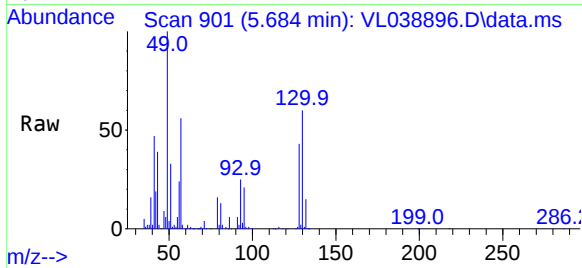
Tgt Ion: 96 Resp: 6140
Ion Ratio Lower Upper
96 100
61 162.8 134.8 202.2
98 47.1 51.9 77.9#





#26
Hexane
Concen: 1.573 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

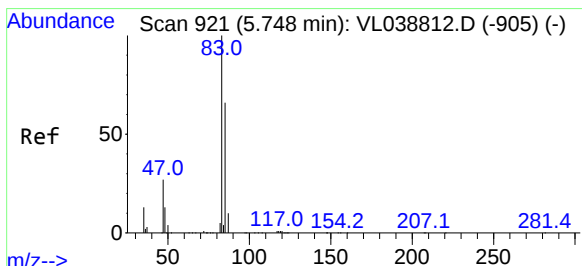
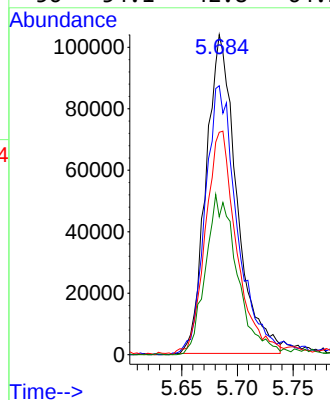
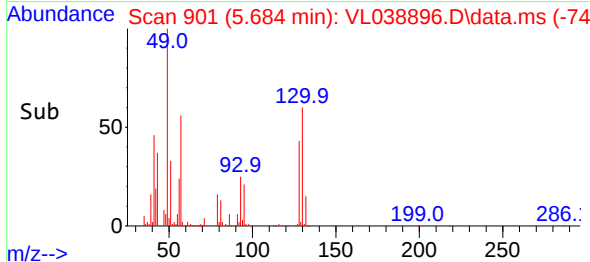
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



Tgt Ion: 57 Resp: 198208
Ion Ratio Lower Upper
57 100
41 91.7 72.0 108.0
43 75.3 186.6 280.0
56 54.1 42.8 64.2

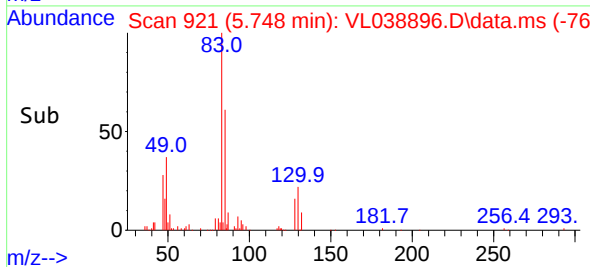
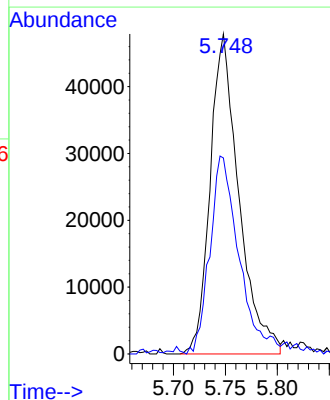
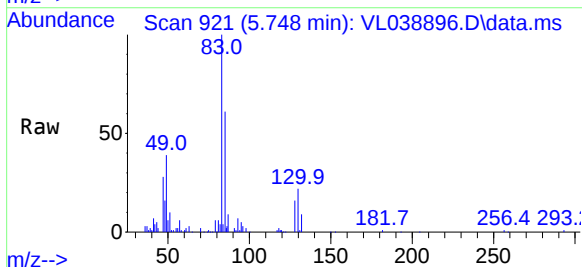
Manual Integrations
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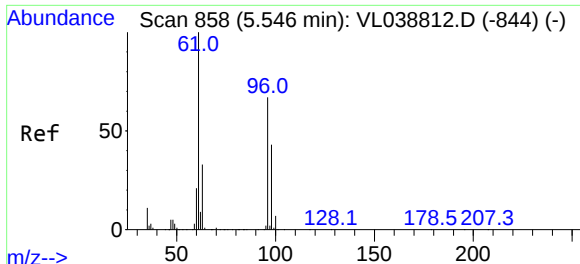
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#29
Chloroform
Concen: 0.521 ppbv
RT: 5.748 min Scan# 921
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

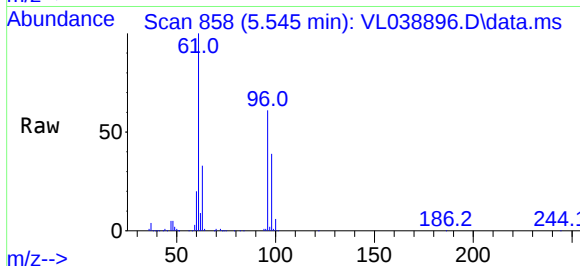
Tgt Ion: 83 Resp: 91886
Ion Ratio Lower Upper
83 100
85 60.3 52.5 78.7





#31
 cis-1,2-Dichloroethene
 Concen: 4.980 ppbv
 RT: 5.545 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL038896.D
 Acq: 12 Apr 2022 17:49

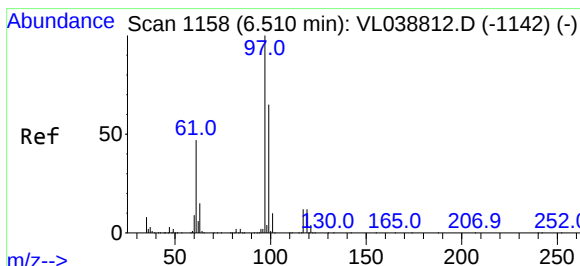
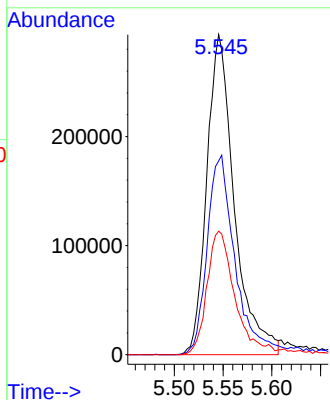
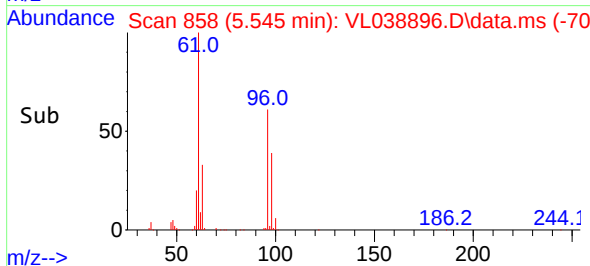
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT



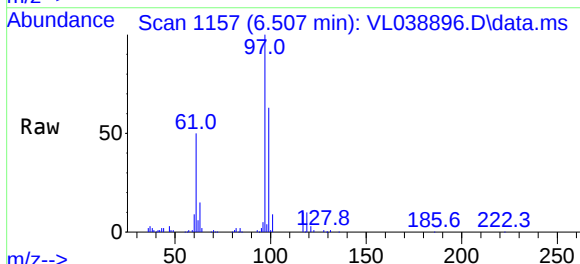
Tgt Ion: 61 Resp: 576934
 Ion Ratio Lower Upper
 61 100
 96 60.4 53.4 80.0
 98 38.6 34.2 51.4

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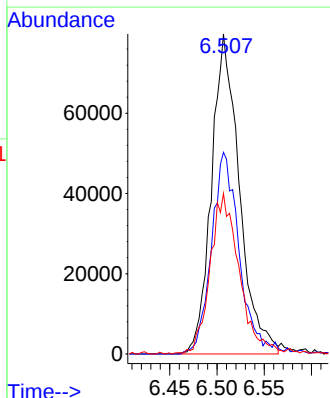
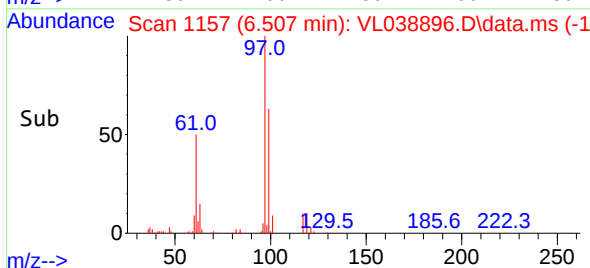
Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022

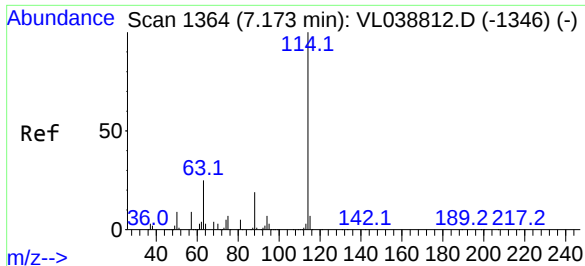


#32
 1,1,1-Trichloroethane
 Concen: 0.920 ppbv
 RT: 6.507 min Scan# 1157
 Delta R.T. -0.003 min
 Lab File: VL038896.D
 Acq: 12 Apr 2022 17:49



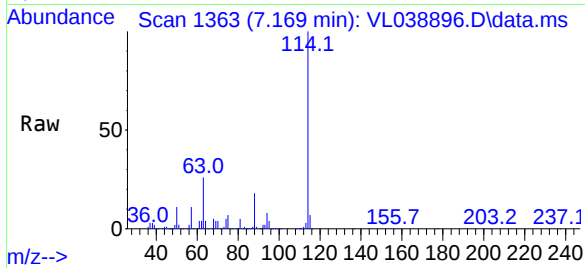
Tgt Ion: 97 Resp: 163437
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.4 78.6
 61 53.2 38.6 57.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

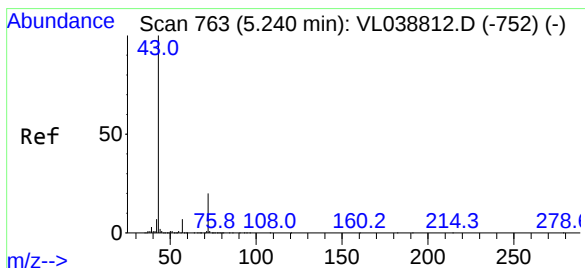
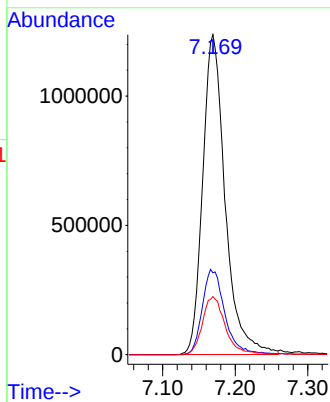
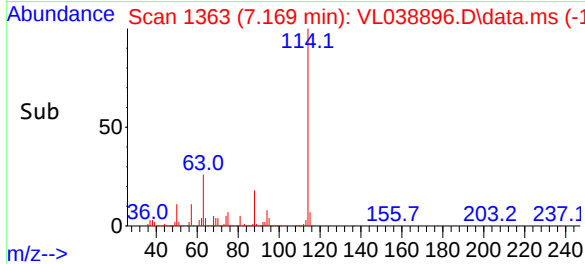
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



Tgt Ion: 114 Resp: 266369
Ion Ratio Lower Upper
114 100
63 27.3 19.8 29.8
88 18.7 14.2 21.4

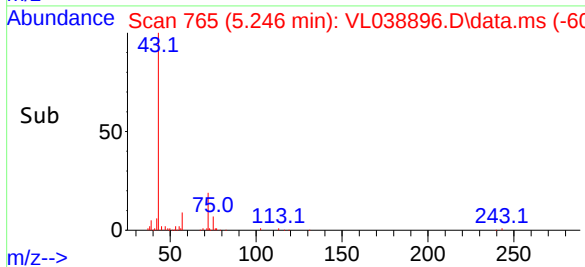
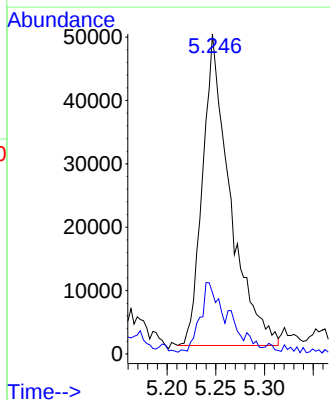
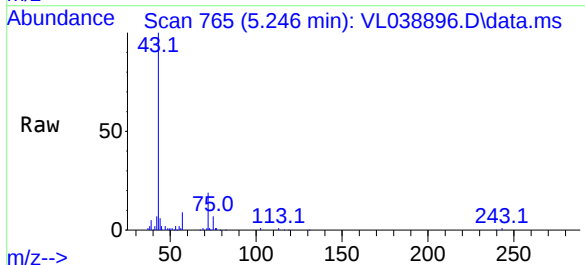
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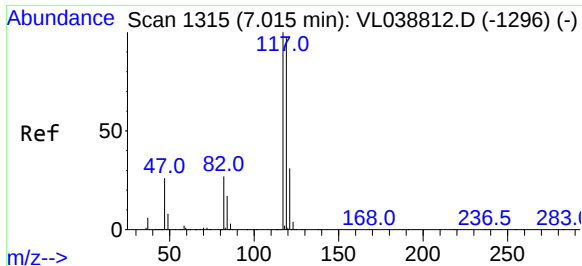
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#34
2-Butanone
Concen: 0.915 ppbv
RT: 5.246 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

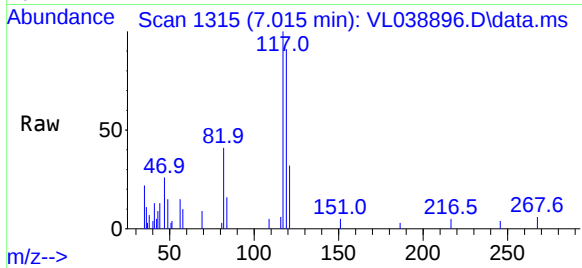
Tgt Ion: 43 Resp: 96274
Ion Ratio Lower Upper
43 100
72 27.0 16.9 25.3#





#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.015 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

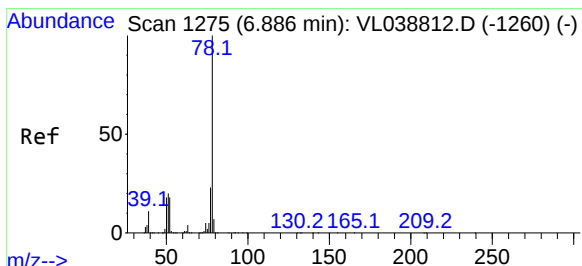
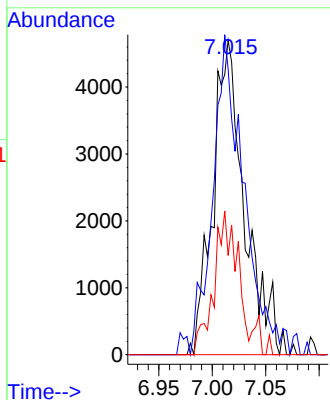
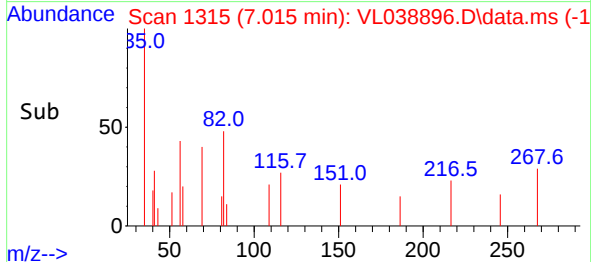
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



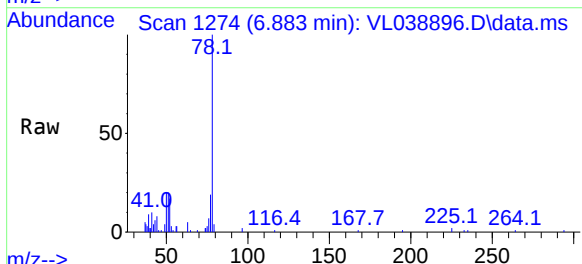
Tgt Ion: 117 Resp: 9638
Ion Ratio Lower Upper
117 100
119 91.0 77.7 116.5
121 31.6 24.5 36.7

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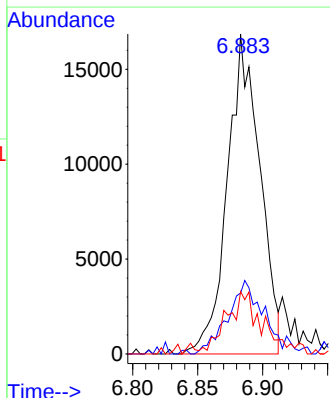
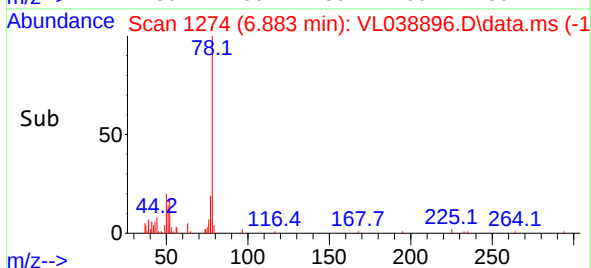
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

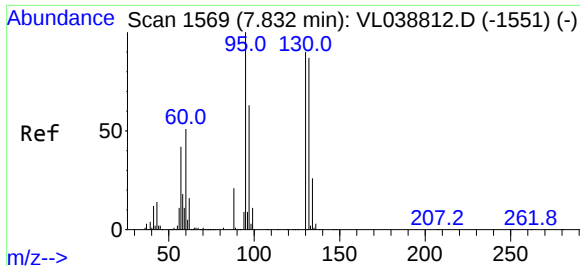


#36
Benzene
Concen: 0.121 ppbv
RT: 6.883 min Scan# 1274
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49



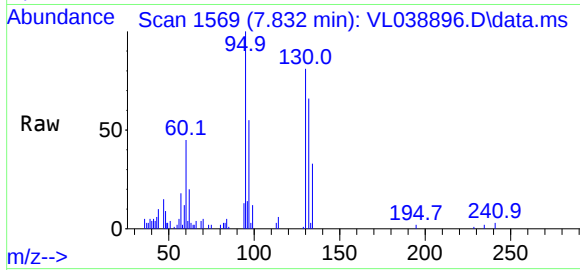
Tgt Ion: 78 Resp: 29309
Ion Ratio Lower Upper
78 100
77 19.0 18.2 27.2
50 16.5 14.0 21.0





#38
Trichloroethene
Concen: 0.228 ppbv m
RT: 7.832 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

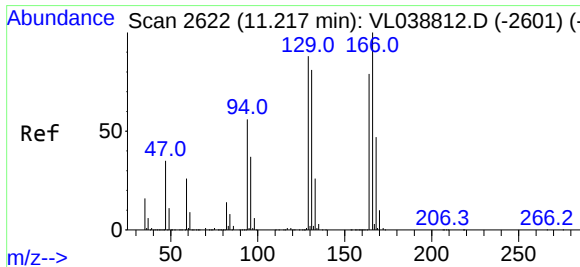
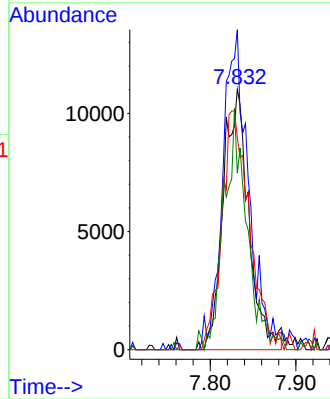
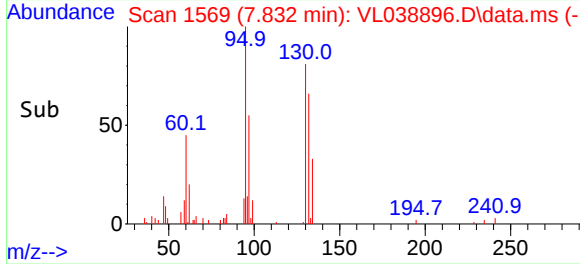


Tgt Ion:130 Resp: 22700

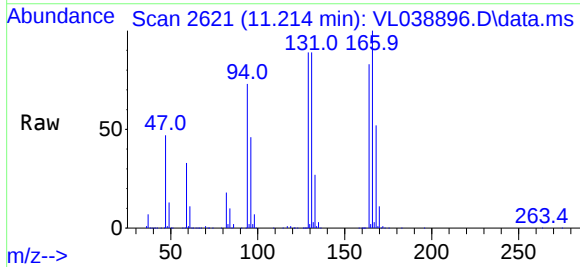
Ion	Ratio	Lower	Upper
130	100		
95	122.9	89.4	134.0
132	81.5	77.7	116.5
97	67.8	56.0	84.0

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

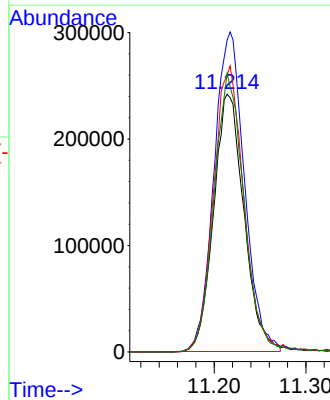
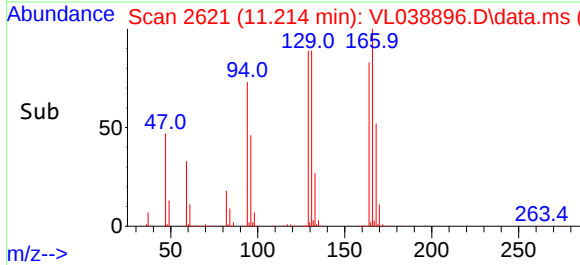


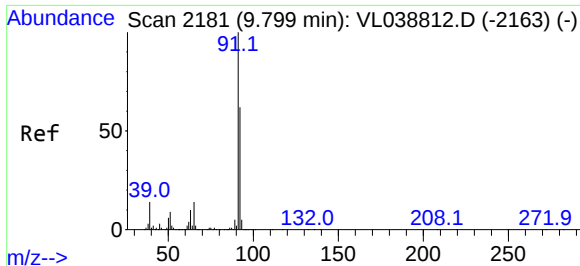
#52
Tetrachloroethene
Concen: 6.549 ppbv
RT: 11.214 min Scan# 2621
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49



Tgt Ion:164 Resp: 554305

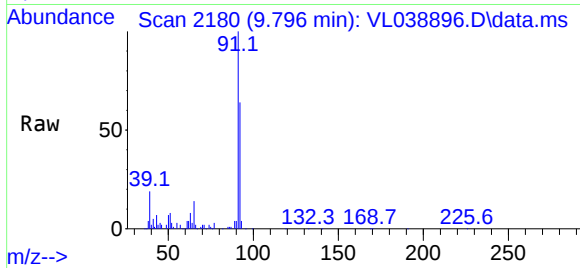
Ion	Ratio	Lower	Upper
164	100		
166	121.1	101.0	151.6
129	107.5	88.7	133.1
131	108.0	81.8	122.6





#53
Toluene
Concen: 0.414 ppbv
RT: 9.796 min Scan# 2181
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

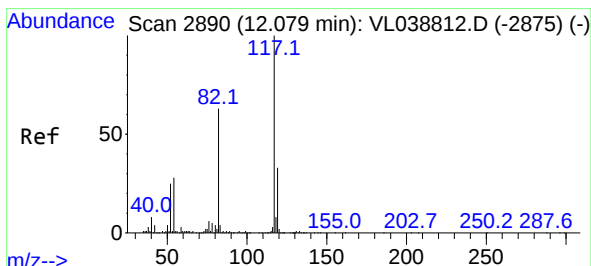
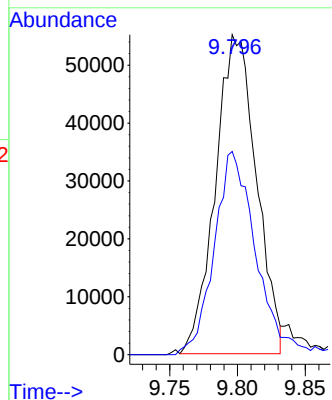
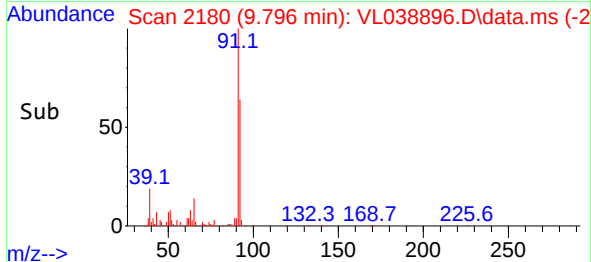
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT



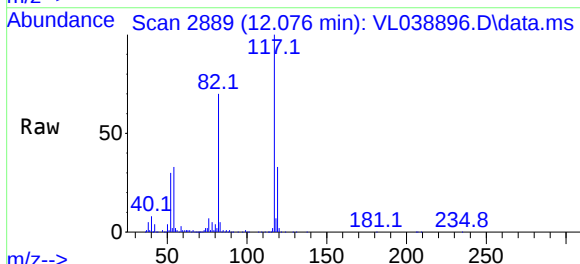
Tgt Ion: 91 Resp: 115818
Ion Ratio Lower Upper
91 100
92 65.7 49.2 73.8

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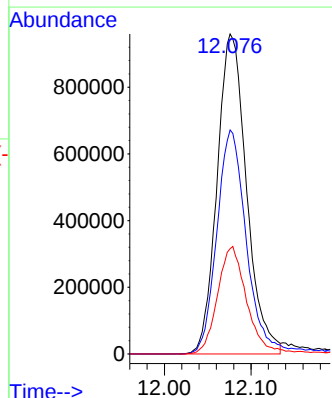
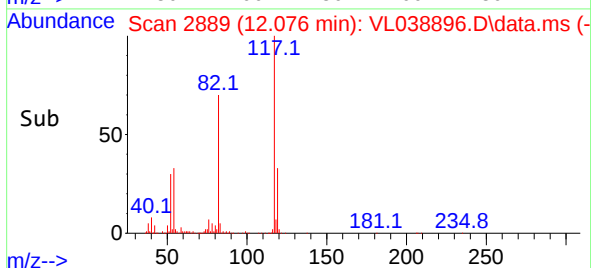
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

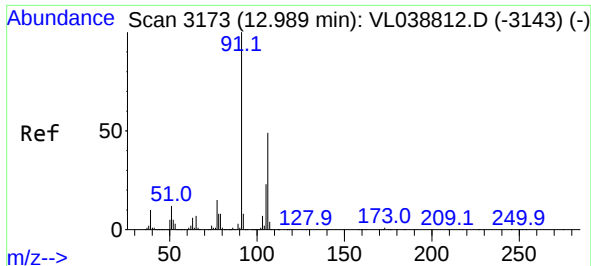


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.003 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49



Tgt Ion:117 Resp: 2266595
Ion Ratio Lower Upper
117 100
82 72.0 53.0 79.6
119 34.1 24.9 37.3





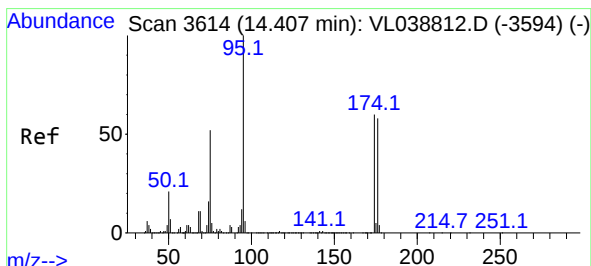
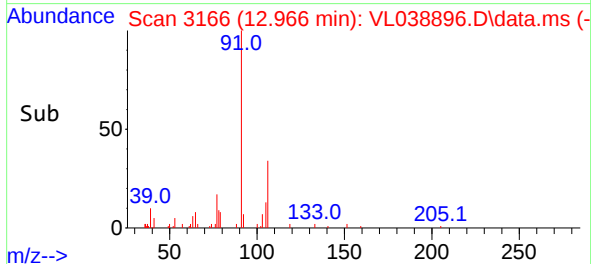
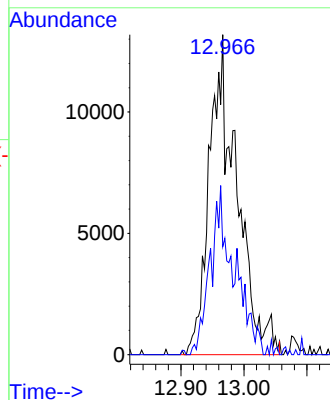
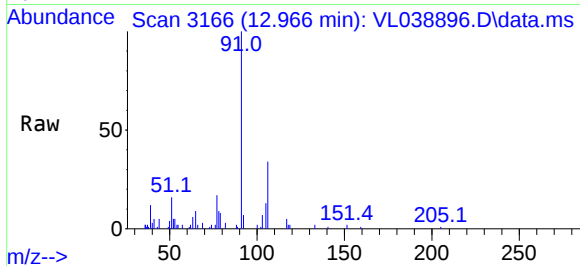
#59
m/p-Xylene
Concen: 0.140 ppbv m
RT: 12.966 min Scan# 3173
Delta R.T. -0.023 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Tgt Ion: 91 Resp: 39949
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. -0.000 min
Lab File: VL038896.D
Acq: 12 Apr 2022 17:49

Tgt Ion: 95 Resp: 1780793
Ion Ratio Lower Upper
95 100
174 64.0 52.0 78.0
175 4.6 4.0 6.0

