

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036863.D
 Acq On : 27 Apr 2021 18:32
 Operator : SY/AP
 Sample : M2172-07
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2021
 Supervised By : Mahesh Dadoda 04/29/2021

Quant Time: Apr 29 16:11:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1394030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3261268	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	2837527	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2241981	9.84	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	59508	0.271	ppbv	92
4) Chloromethane	3.14	50	22966m	0.275	ppbv	
9) Propene	3.02	41	28458	0.368	ppbv	94
11) Trichlorofluoromethane	3.96	101	57078	0.291	ppbv	91
13) Ethanol	3.63	45	209005	21.181	ppbv	96
15) Acetone	3.86	43	406219m	3.092	ppbv	
19) Isopropyl Alcohol	3.99	45	99437m	1.527	ppbv	
20) Methylene Chloride	4.35	84	1588772	25.286	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	7950m	0.139	ppbv	
26) Hexane	5.69	57	1490802	9.928	ppbv #	45
29) Chloroform	5.76	83	89707	0.383	ppbv	93
30) Cyclohexane	7.17	84	34388m	0.289	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	565516	4.196	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	23000	0.097	ppbv	93
34) 2-Butanone	5.26	43	57058	0.399	ppbv #	87
35) Carbon Tetrachloride	7.02	117	10623m	0.048	ppbv	
36) Benzene	6.90	78	28715m	0.105	ppbv	
38) Trichloroethene	7.84	130	4629m	0.047	ppbv	
52) Tetrachloroethene	11.23	164	71826m	0.768	ppbv	
53) Toluene	9.82	91	183658m	0.639	ppbv	

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

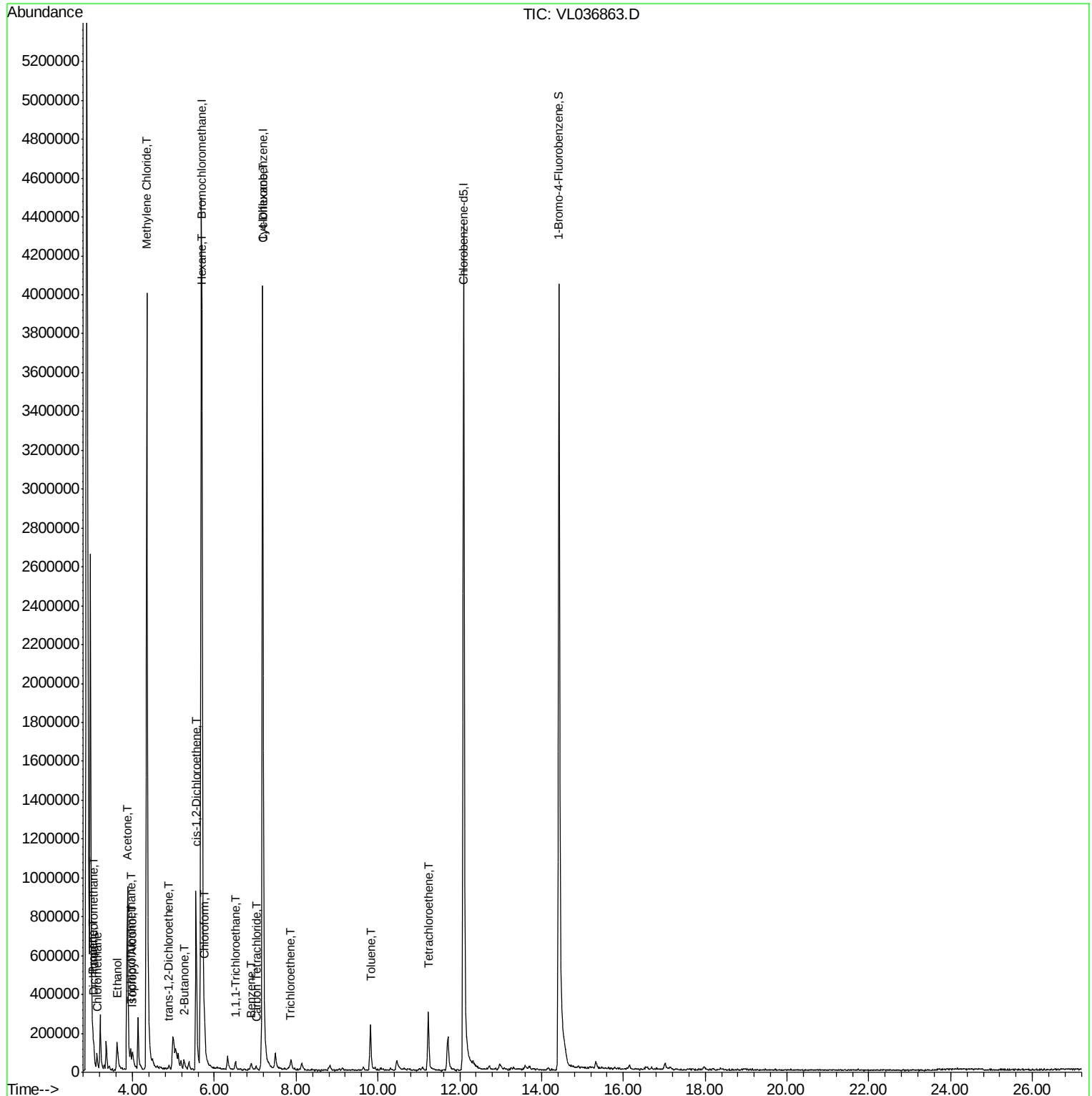
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
Data File : VL036863.D
Acq On : 27 Apr 2021 18:32
Operator : SY/AP
Sample : M2172-07
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

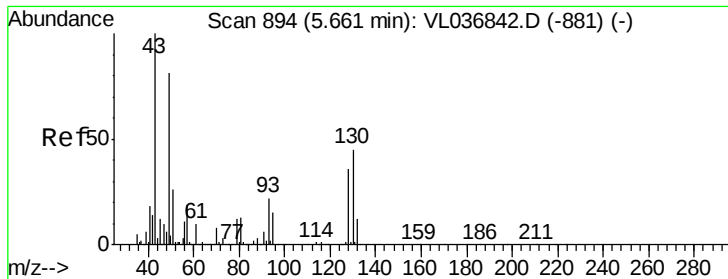
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Quant Time: Apr 29 16:11:43 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 18:32 SVE-EFFLUENT

Tot Ion:

Ion Ratio

49 100

128 46.

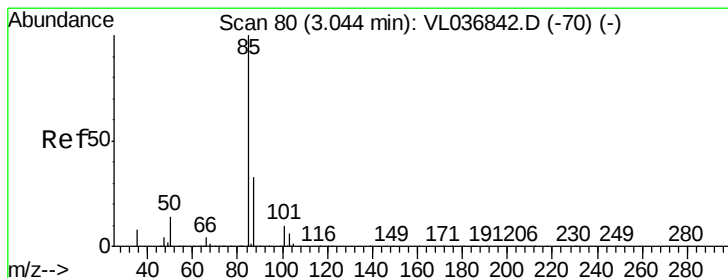
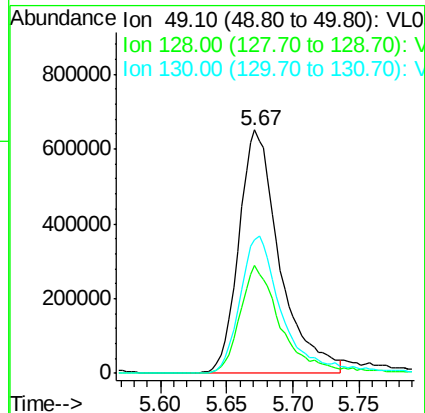
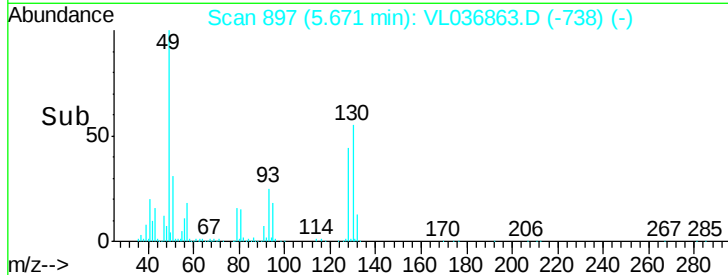
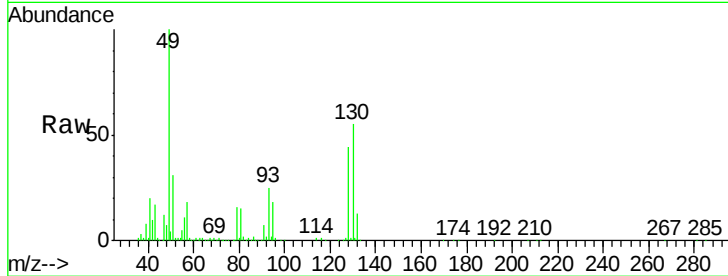
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#2

Dichlorodifluoromethane

Concen: 0.271 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036863.D

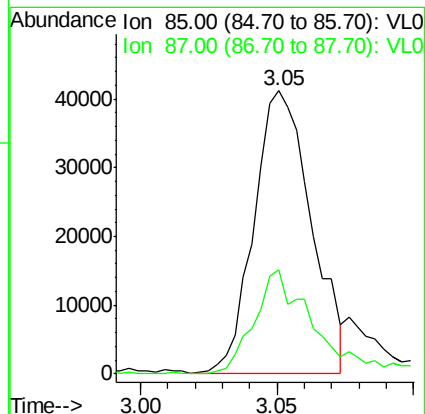
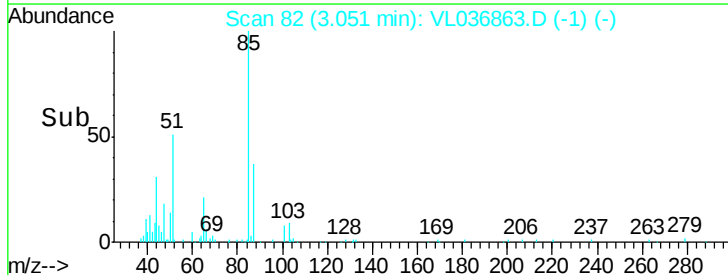
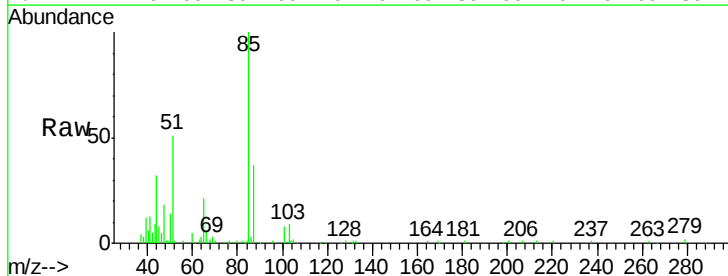
Acq: 27 Apr 2021 18:32

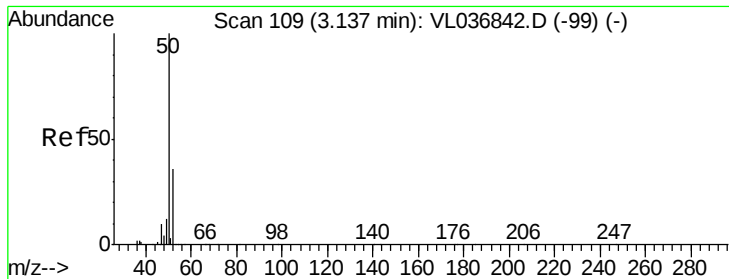
Tgt Ion: 85 Resp: 59508

Ion Ratio Lower Upper

85 100

87 37.0 26.2 39.2





#4

Chloromethane

Concen: 0.275 ppbv m

RT: 3.14 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 18:32 SVE-EFFLUENT

Tot Ion:

Ion Ratio

50 100

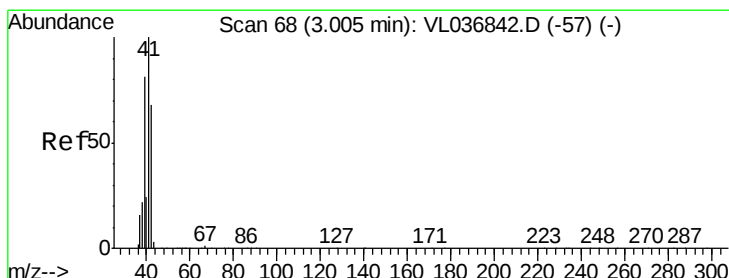
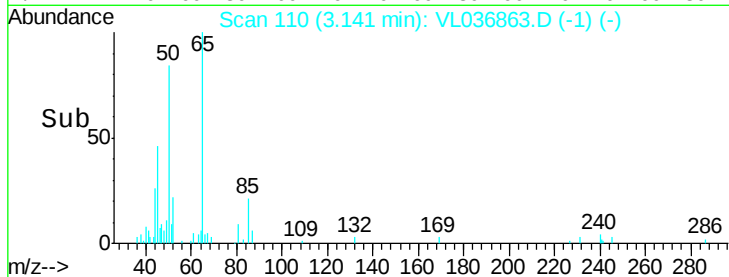
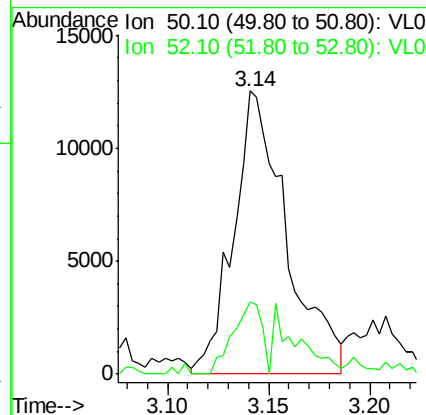
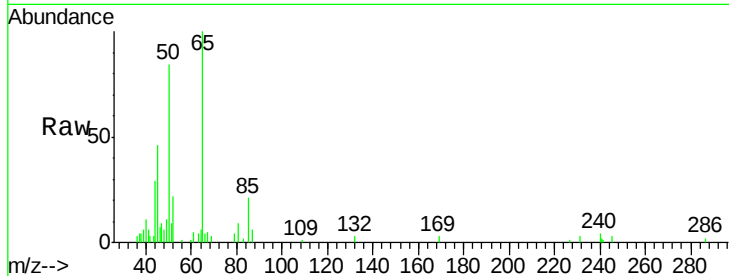
52 25.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#9

Propene

Concen: 0.368 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036863.D

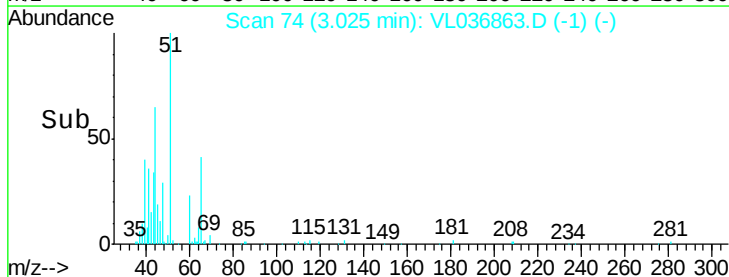
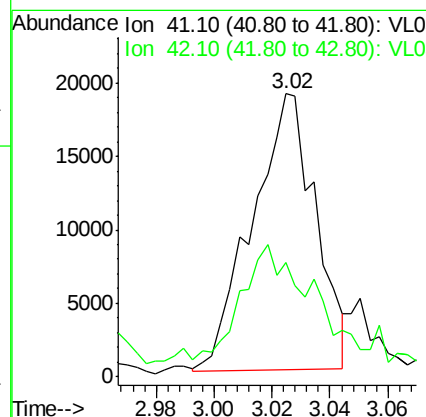
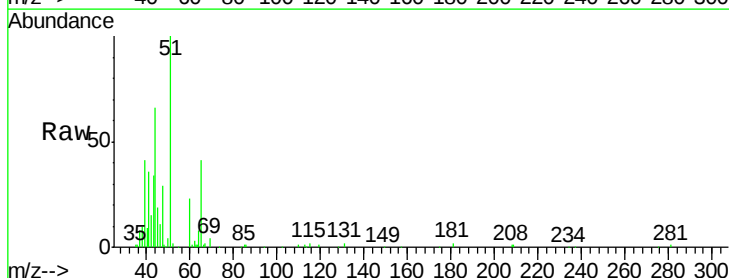
Acq: 27 Apr 2021 18:32

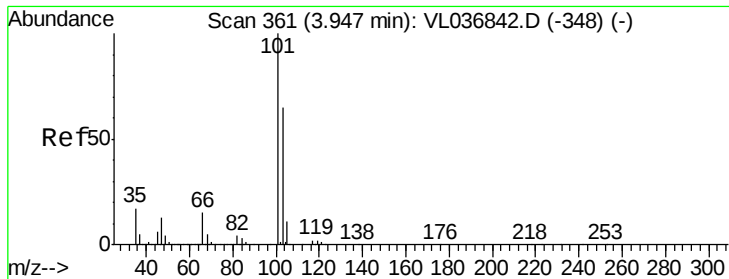
Tgt Ion: 41 Resp: 28458

Ion Ratio Lower Upper

41 100

42 74.8 56.0 84.0



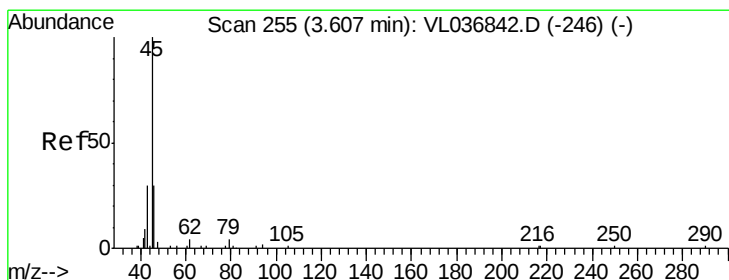
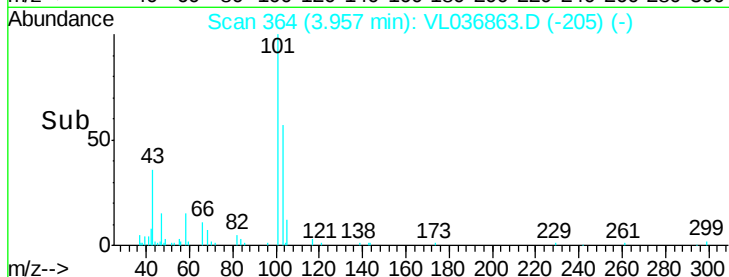
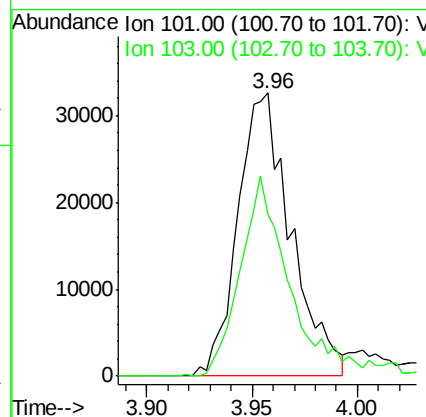
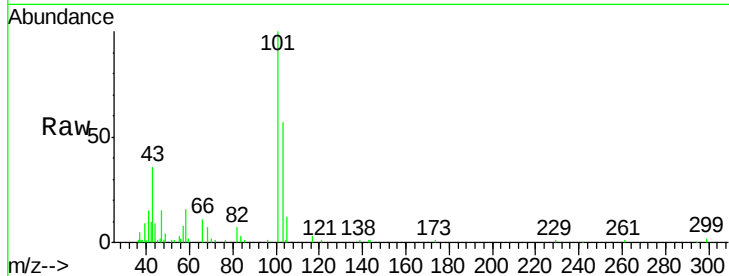


#11
Trichlorofluoromethane
Concen: 0.291 ppbv
RT: 3.96
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SVE-EFFLUENT
Acq: 27 Apr 2021 18:32

Tot Ion:1
Ion Rati
101 100
103 57.

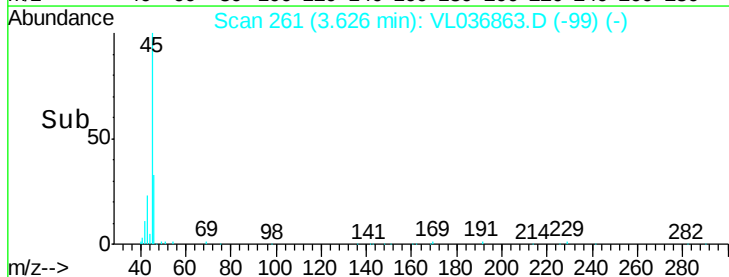
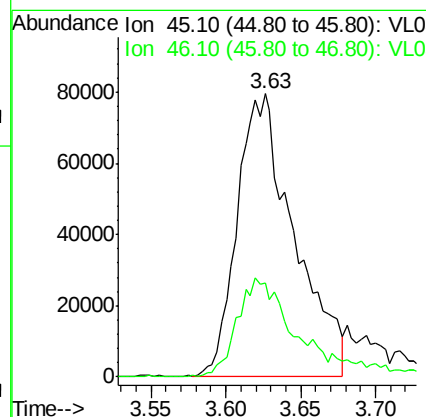
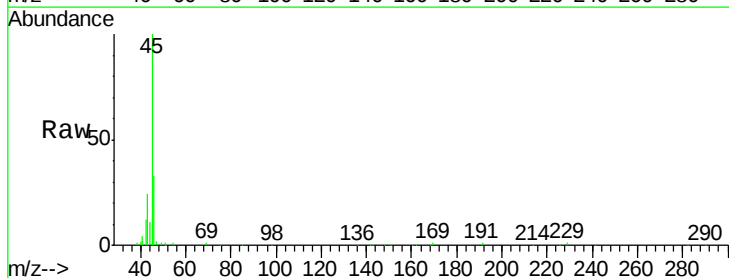
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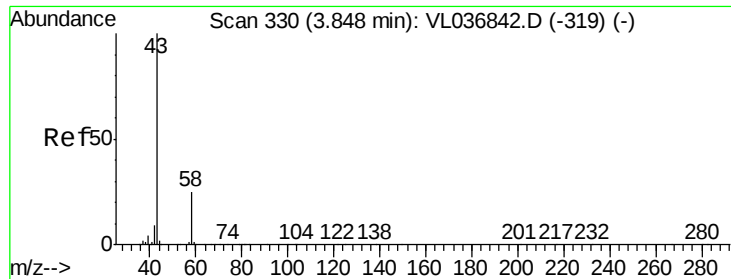
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#13
Ethanol
Concen: 21.181 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 45 Resp: 209005
Ion Ratio Lower Upper
45 100
46 39.3 16.8 67.4



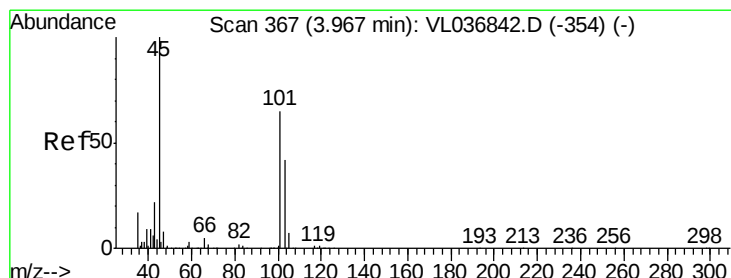
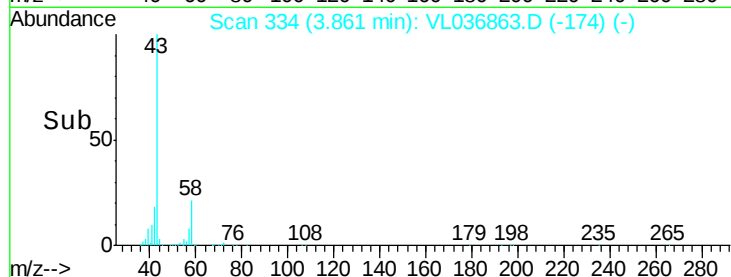
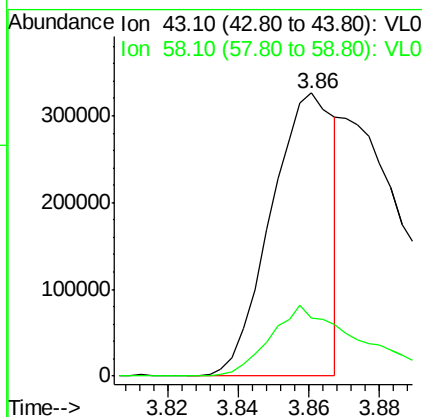
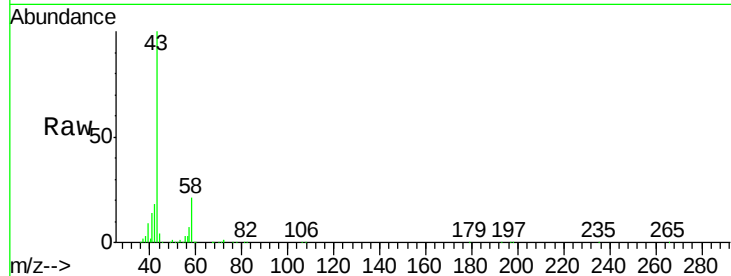


#15
Acetone
Concen: 3.092 ppbv m
RT: 3.86
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SVE-EFFLUENT
Acq: 27 Apr 2021 18:32

Tot Ion:
Ion Ratio
43 100
58 41.

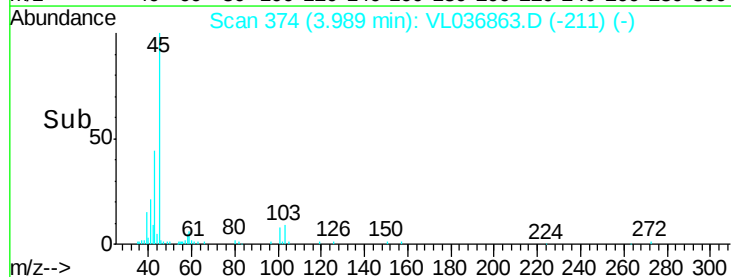
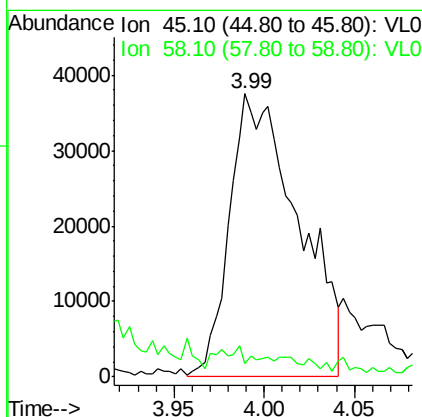
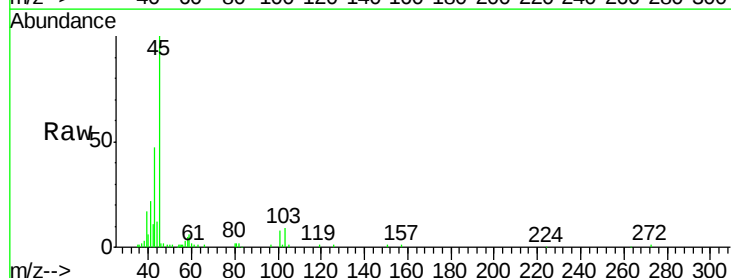
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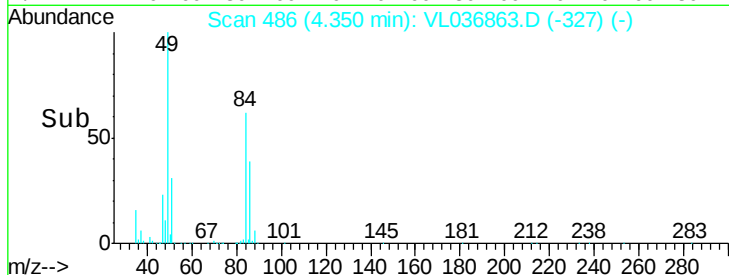
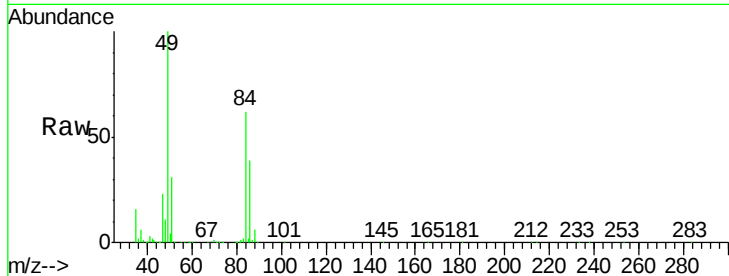
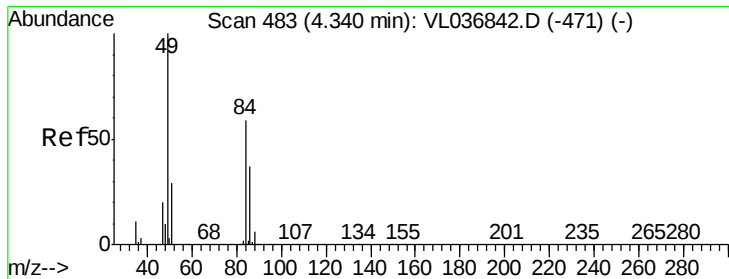
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#19
Isopropyl Alcohol
Concen: 1.527 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 45 Resp: 99437
Ion Ratio Lower Upper
45 100
58 5.8 2.8 4.2#



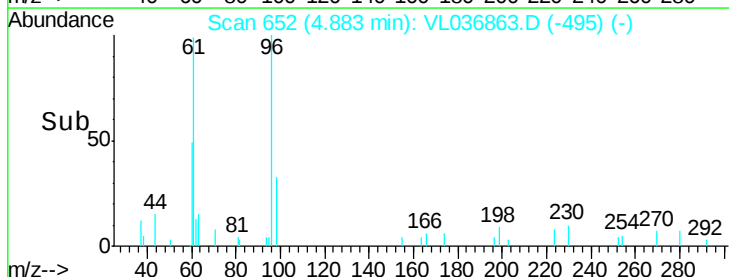
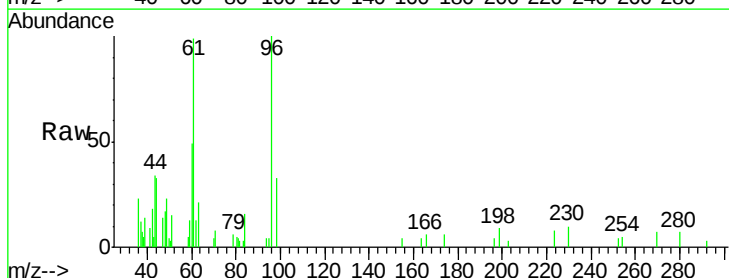
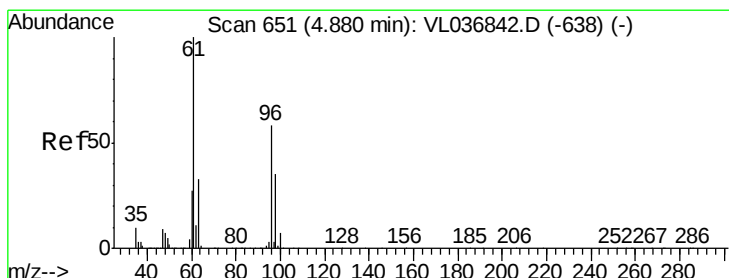
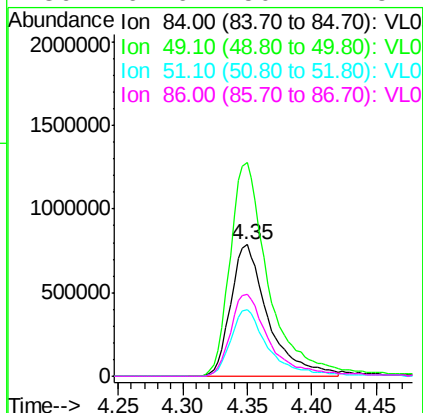


#20
Methylene Chloride
Concen: 25.286 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 18:32

Tot Ion:
Ion Ratio
84 100
49 162.
51 50.
86 62.6 50.2 75.2

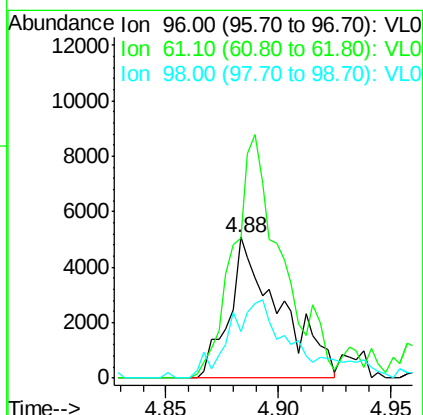
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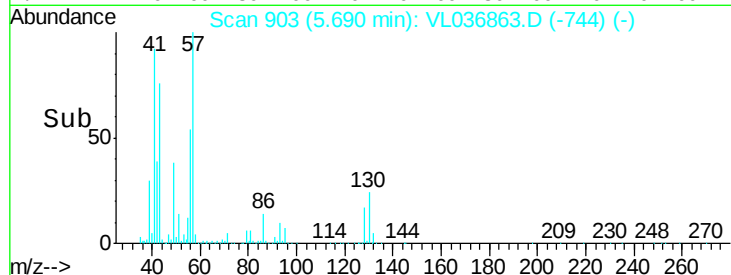
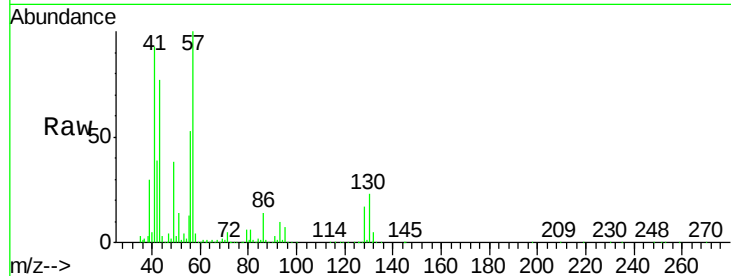
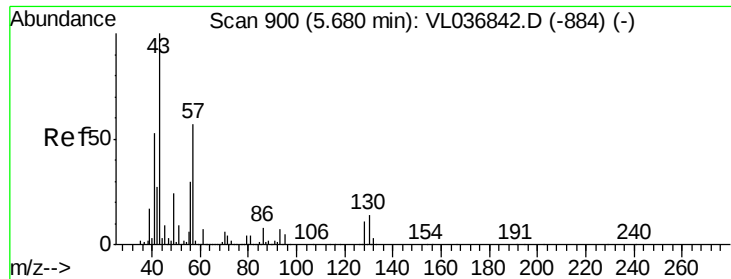
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#22
trans-1,2-Dichloroethene
Concen: 0.139 ppbv m
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 96 Resp: 7950
Ion Ratio Lower Upper
96 100
61 99.1 138.6 207.8#
98 32.8 48.1 72.1#



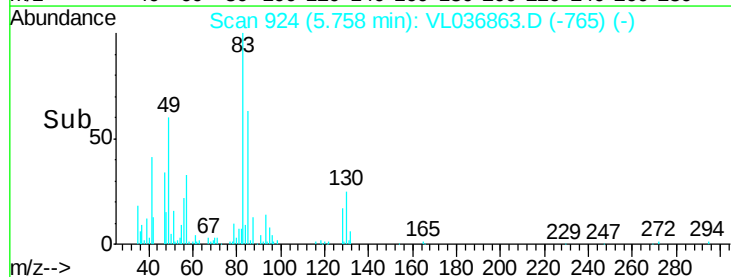
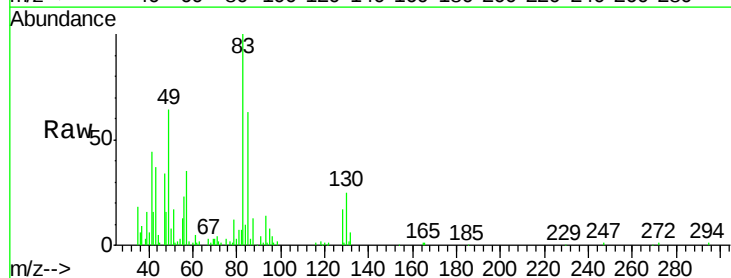
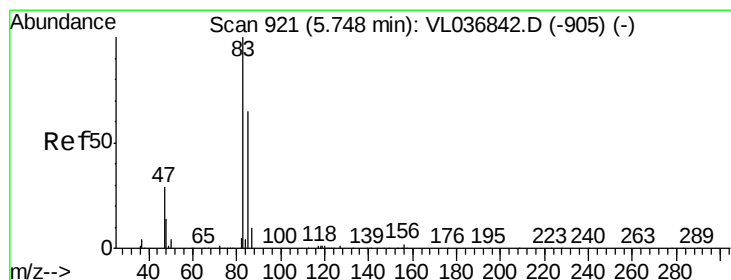
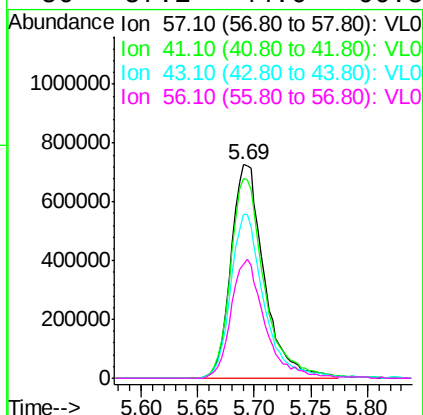


#26
Hexane
Concen: 9.928 ppbv
RT: 5.69
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Apr 2021 18:32
SVE-EFFLUENT

Tot Ion:
Ion Ratio
57 100
41 96.
43 77.
56 57.1 44.6 66.8

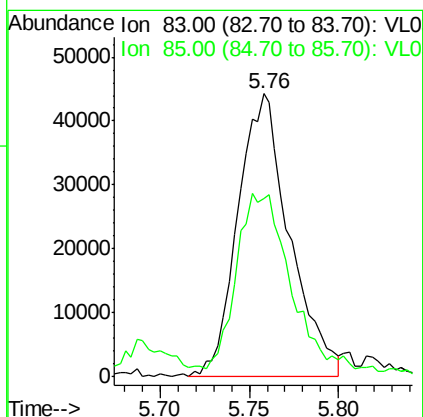
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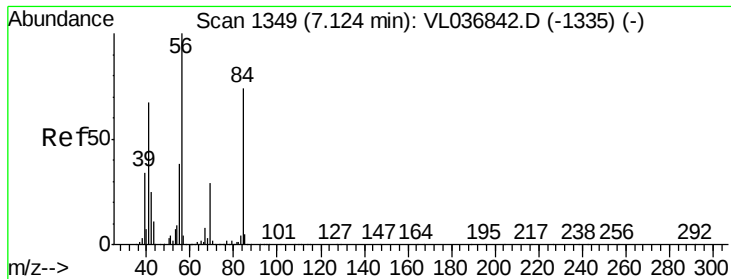
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#29
Chloroform
Concen: 0.383 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 83 Resp: 89707
Ion Ratio Lower Upper
83 100
85 59.9 52.2 78.4



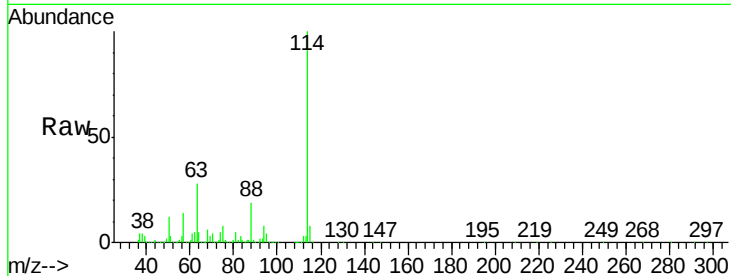


#30
Cvclohexane
Concen: 0.289 ppbv m
RT: 7.17
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
SVE-EFFLUENT
Acq: 27 Apr 2021 18:32

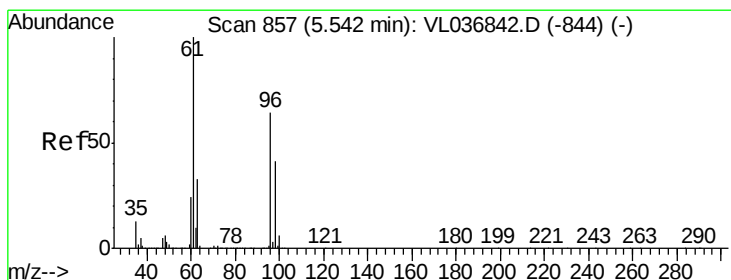
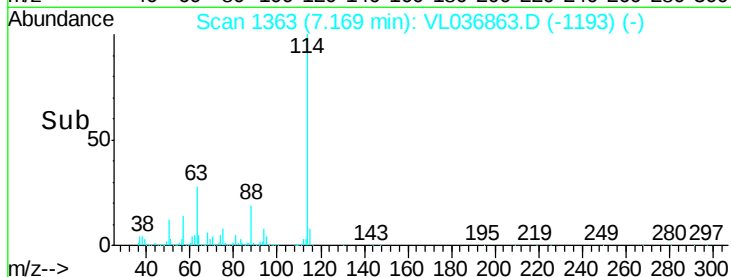
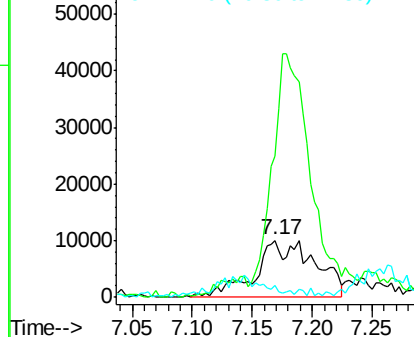
Tot Ion:
Ion Ratio
84 100
56 0.
41 28.

Manual Integrations
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Supervised By :Mahesh Dadoda 04/29/2021

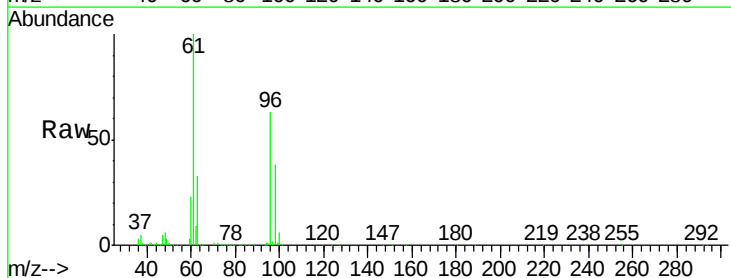


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

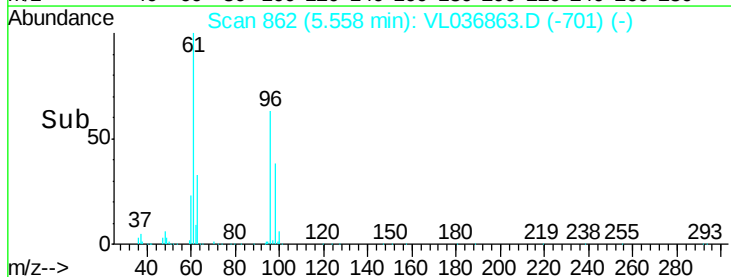
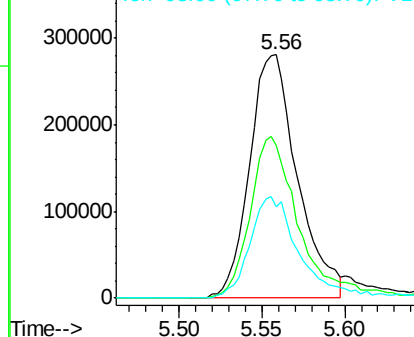


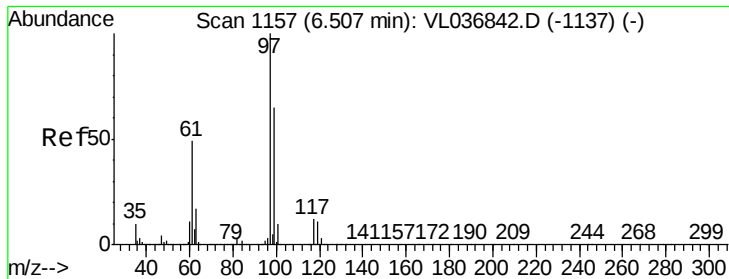
#31
cis-1,2-Dichloroethene
Concen: 4.196 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.02 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 61 Resp: 565516
Ion Ratio Lower Upper
61 100
96 63.0 51.0 76.6
98 37.7 32.7 49.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.097 ppbv

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 18:32 SVE-EFFLUENT

Tot Ion:

Ion Ratio

97 100

99 66.

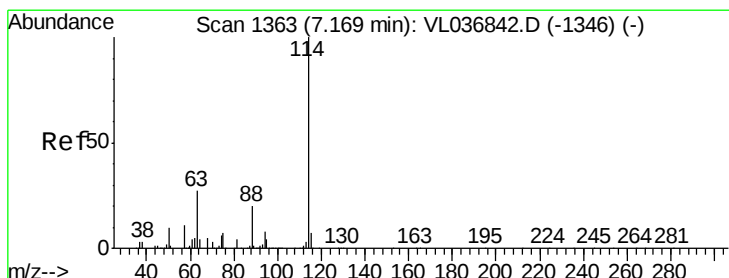
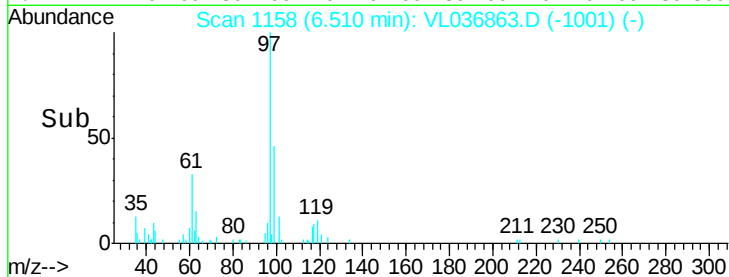
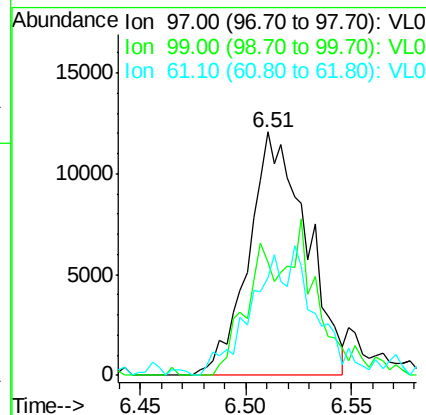
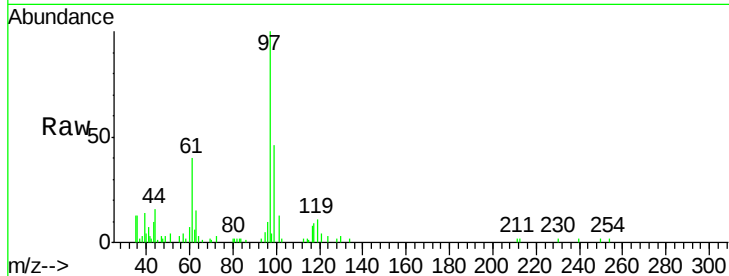
61 60.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036863.D

Acq: 27 Apr 2021 18:32

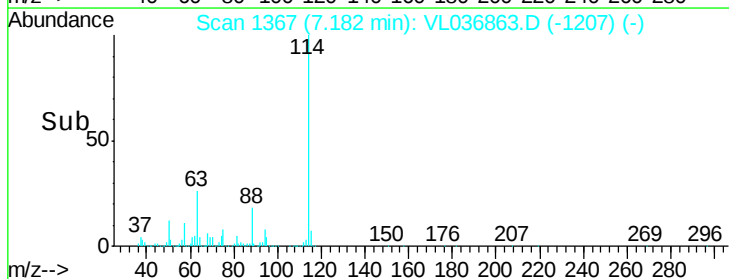
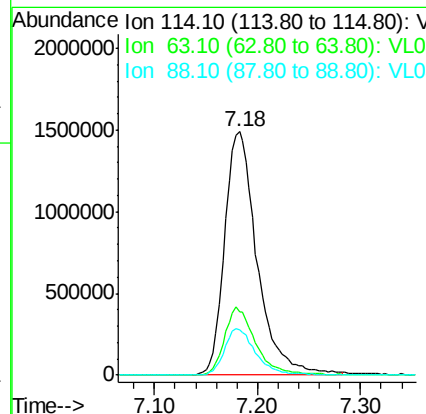
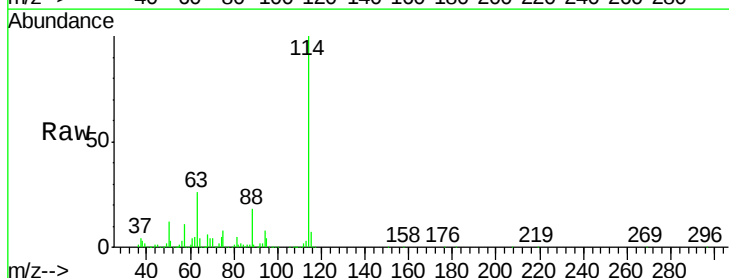
Tgt Ion:114 Resp: 3261268

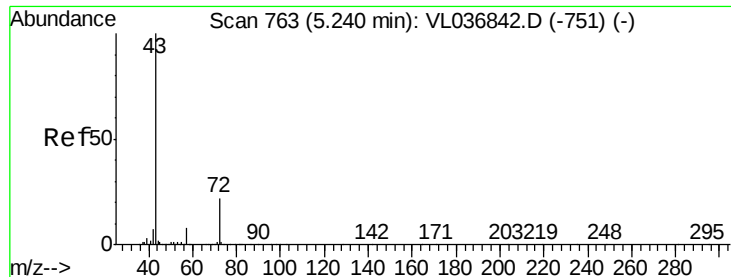
Ion Ratio Lower Upper

114 100

63 27.1 21.9 32.9

88 18.7 15.1 22.7



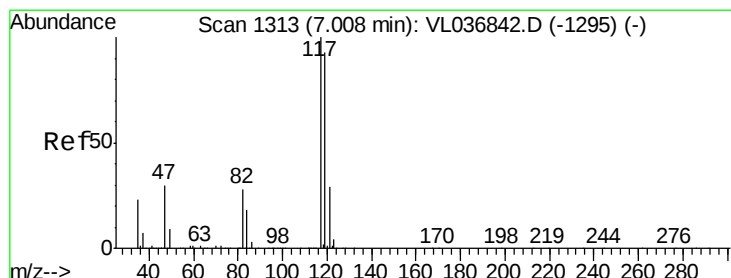
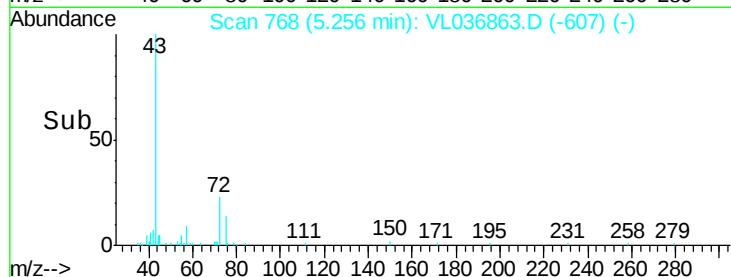
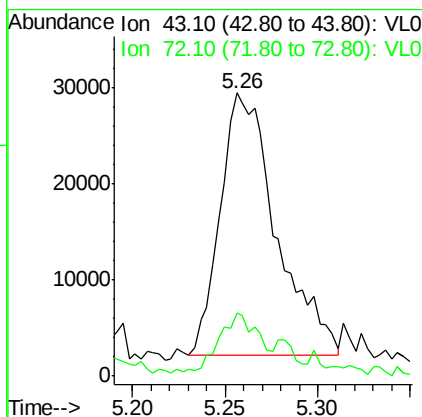
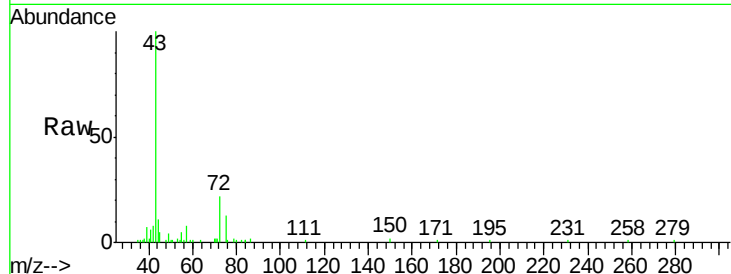


#34
2-Butanone
Concen: 0.399 ppbv
RT: 5.26
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 18:32

Tot Ion:
Ion Ratio
43 100
72 28.

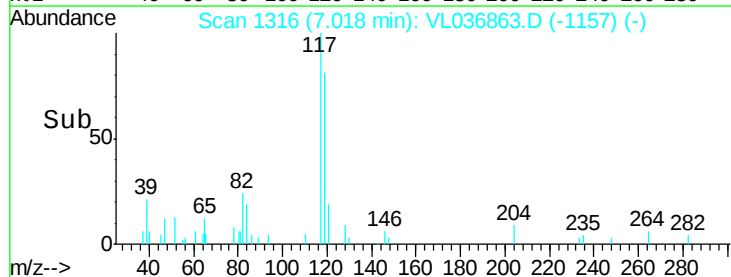
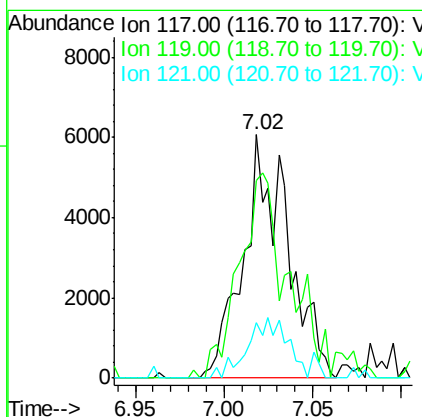
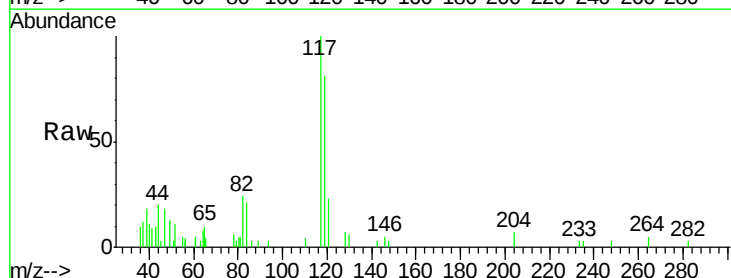
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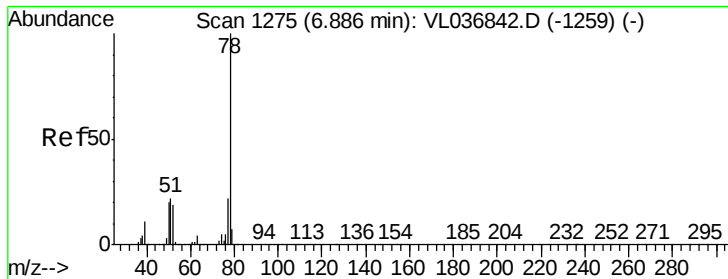
Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021



#35
Carbon Tetrachloride
Concen: 0.048 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T.: 0.01 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion:117 Resp: 10623
Ion Ratio Lower Upper
117 100
119 81.4 74.6 111.8
121 23.0 23.3 34.9#





#36

Benzene

Concen: 0.105 ppbv m

RT: 6.90 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 18:32 SVE-EFFLUENT

Tot Ion:

Ion Ratio

78 100

77 22.

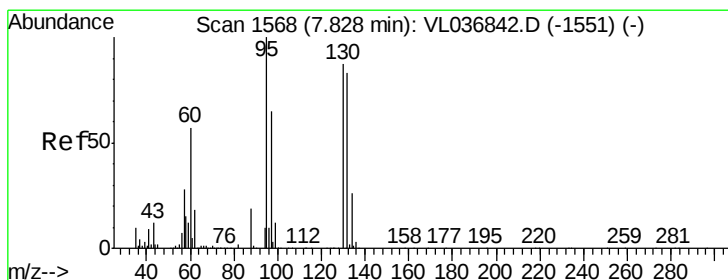
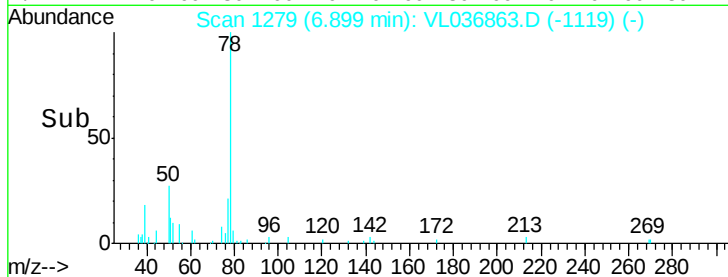
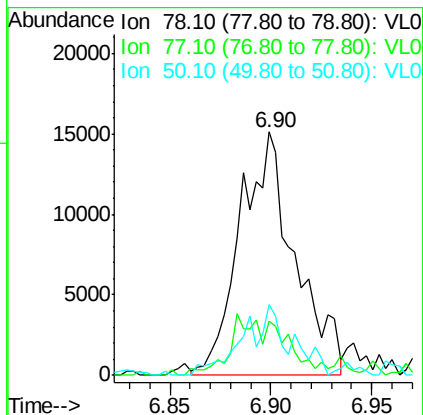
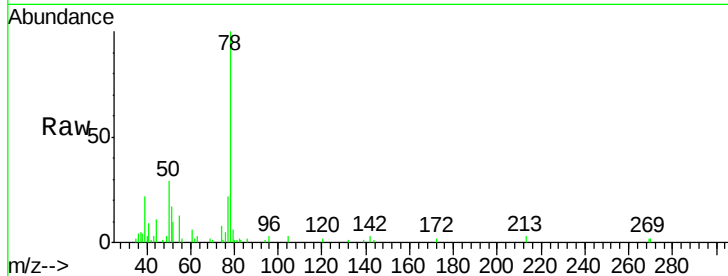
50 28.

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Reviewed By :Semsettin Yesilyurt 04/29/2021

Supervised By :Mahesh Dadoda 04/29/2021



#38

Trichloroethene

Concen: 0.047 ppbv m

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL036863.D

Acq: 27 Apr 2021 18:32

Tgt Ion:130 Resp: 4629

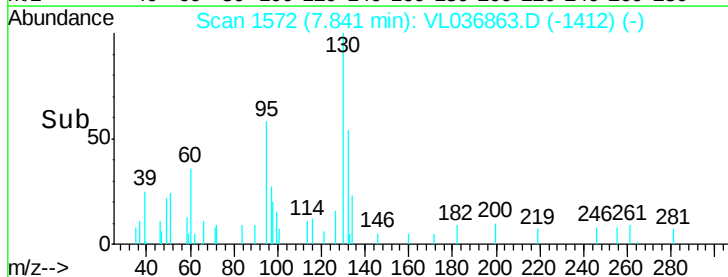
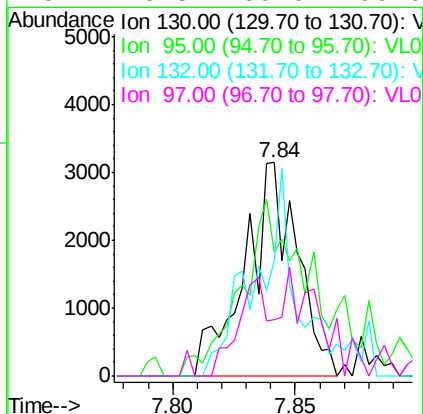
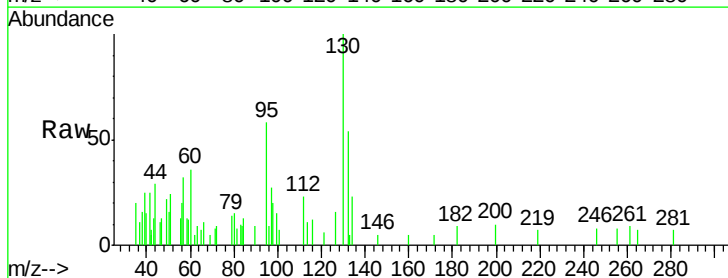
Ion Ratio Lower Upper

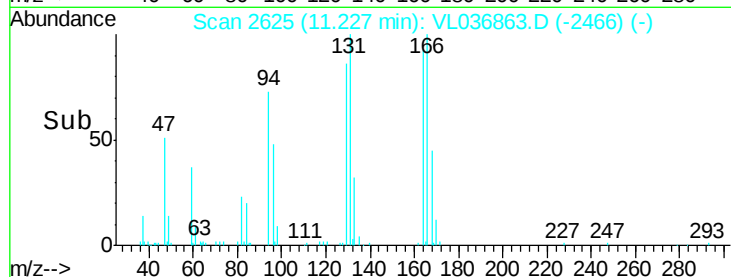
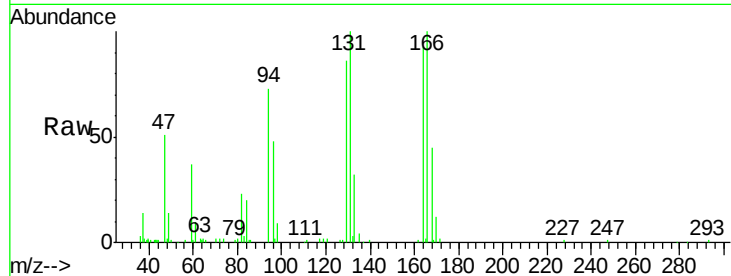
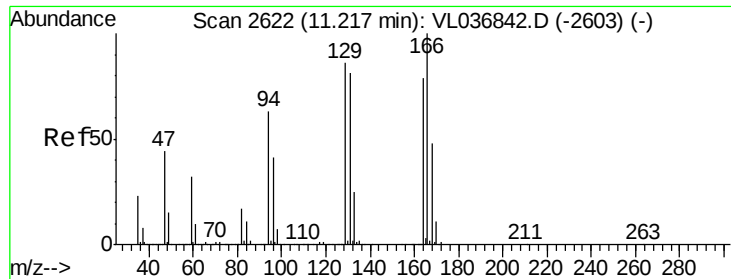
130 100

95 58.2 92.3 138.5#

132 54.2 76.8 115.2#

97 26.5 60.0 90.0#





#52

Tetrachloroethene

Concen: 0.768 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

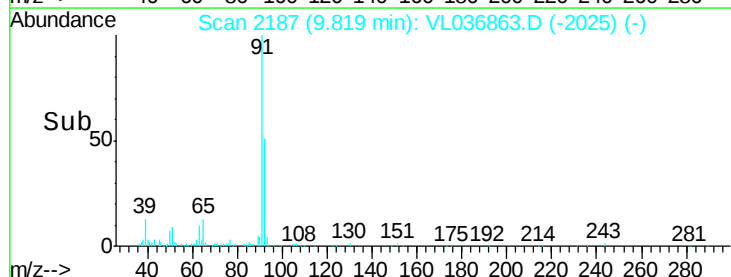
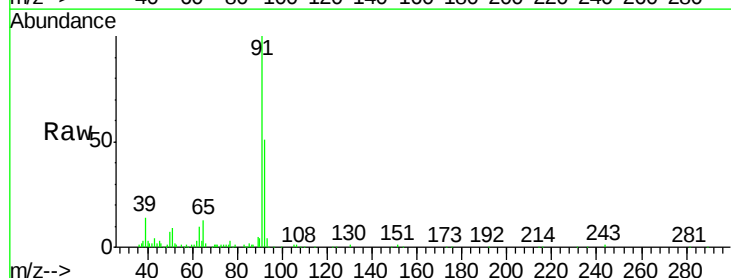
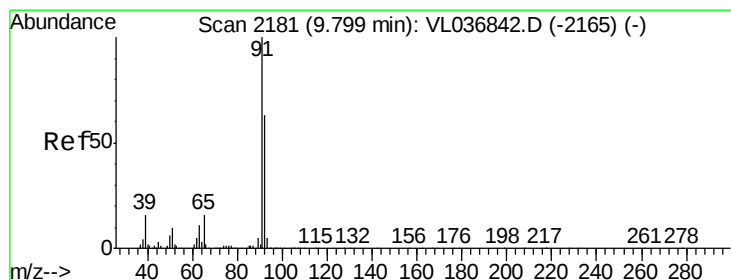
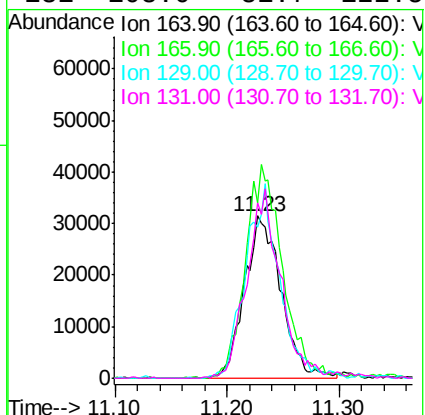
Lab File: ClientSampleId :

Acq: 27 Apr 2021 18:32 SVE-EFFLUENT

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Reviewed By :Semsettin Yesilyurt 04/29/2021
Supervised By :Mahesh Dadoda 04/29/2021

Tot Ion:1
Ion Rati
164 100
166 108.
129 92.
131 108.0 81.7 122.5



#53

Toluene

Concen: 0.639 ppbv m

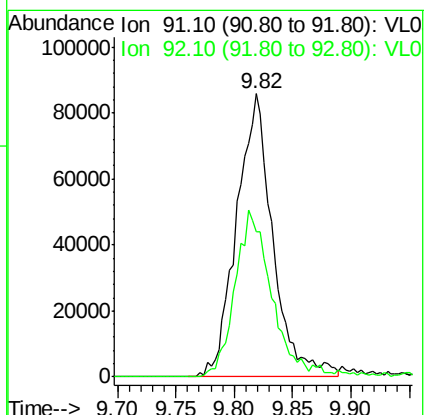
RT: 9.82 min Scan# 2187

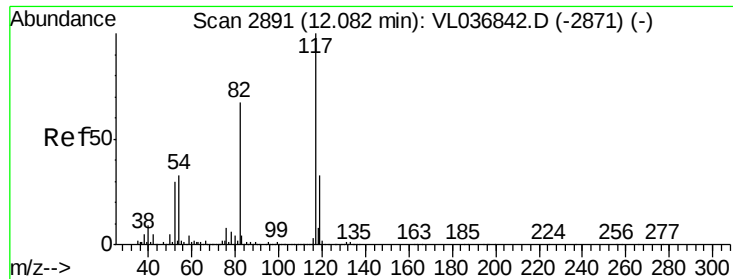
Delta R.T. 0.02 min

Lab File: VL036863.D

Acq: 27 Apr 2021 18:32

Tgt Ion: 91 Resp: 183658
Ion Ratio Lower Upper
91 100
92 61.1 49.0 73.4



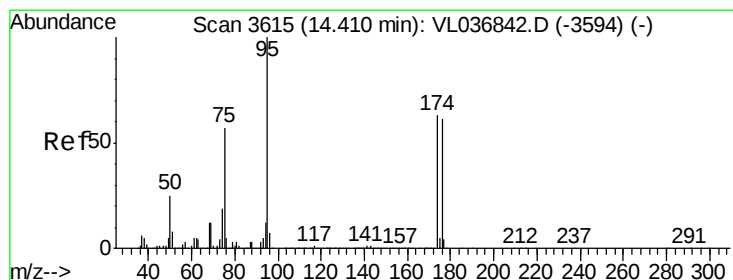
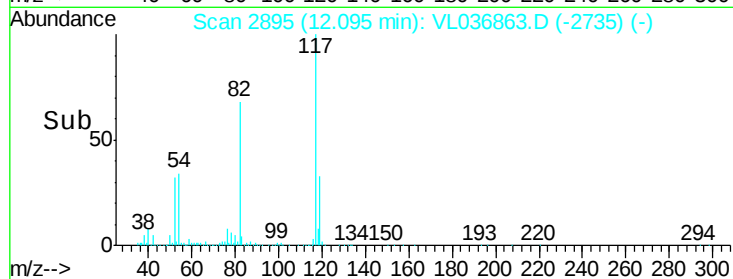
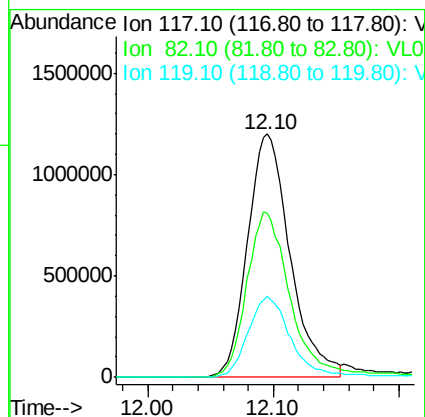
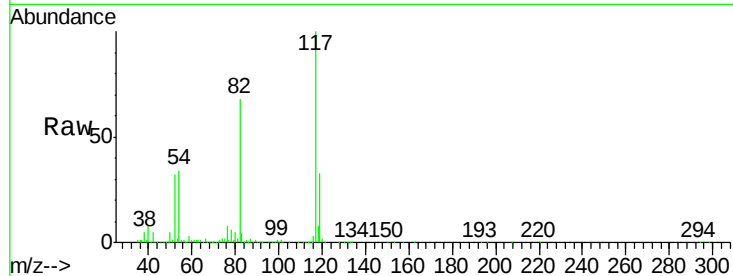


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VL036863.D
Client Sample ID: SVE-EFFLUENT
Acq: 27 Apr 2021 18:32

Tot Ion: 1
Ion Ratio
117 100
82 72.
119 34.

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2021
Supervised By : Mahesh Dadoda 04/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.843 ppbv
RT: 14.42 min Scan# 3619
Delta R.T.: 0.01 min
Lab File: VL036863.D
Acq: 27 Apr 2021 18:32

Tgt Ion: 95 Resp: 2241981
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.7 4.0 6.0

