

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037900.D
 Acq On : 25 Oct 2021 19:17
 Operator : SY/AP
 Sample : M4339-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SVE-INFLUENT

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 12:08:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1381437	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3940542	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3298379	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2390111	10.36	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	46651	0.211	ppbv	97
3) Chlorodifluoromethane	3.00	51	77913m	0.294	ppbv	
4) Chloromethane	3.15	50	21197m	0.218	ppbv	
9) Propene	3.03	41	41432m	0.424	ppbv	
10) Heptane	8.14	43	50568m	0.228	ppbv	
11) Trichlorofluoromethane	3.96	101	67330	0.342	ppbv	93
13) Ethanol	3.62	45	161435	20.212	ppbv	83
15) Acetone	3.87	43	436213m	3.518	ppbv	
19) Isopropyl Alcohol	3.98	45	148576m	1.926	ppbv	
20) Methylene Chloride	4.36	84	522968	8.346	ppbv	98
26) Hexane	5.71	57	314490m	1.835	ppbv	
29) Chloroform	5.77	83	53741	0.219	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	288494	1.855	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	100009m	0.431	ppbv	
34) 2-Butanone	5.27	43	83979	0.528	ppbv #	89
35) Carbon Tetrachloride	7.04	117	14400m	0.064	ppbv	
36) Benzene	6.90	78	67345m	0.200	ppbv	
38) Trichloroethene	7.84	130	206550m	1.553	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	87289m	0.154	ppbv	
52) Tetrachloroethene	11.24	164	1622363	12.389	ppbv	93
53) Toluene	9.82	91	670388	1.797	ppbv	98
58) Ethyl Benzene	12.73	91	65526m	0.148	ppbv	
59) m/p-Xylene	12.99	91	135713m	0.357	ppbv	
60) o-Xylene	13.71	91	43515m	0.119	ppbv	

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

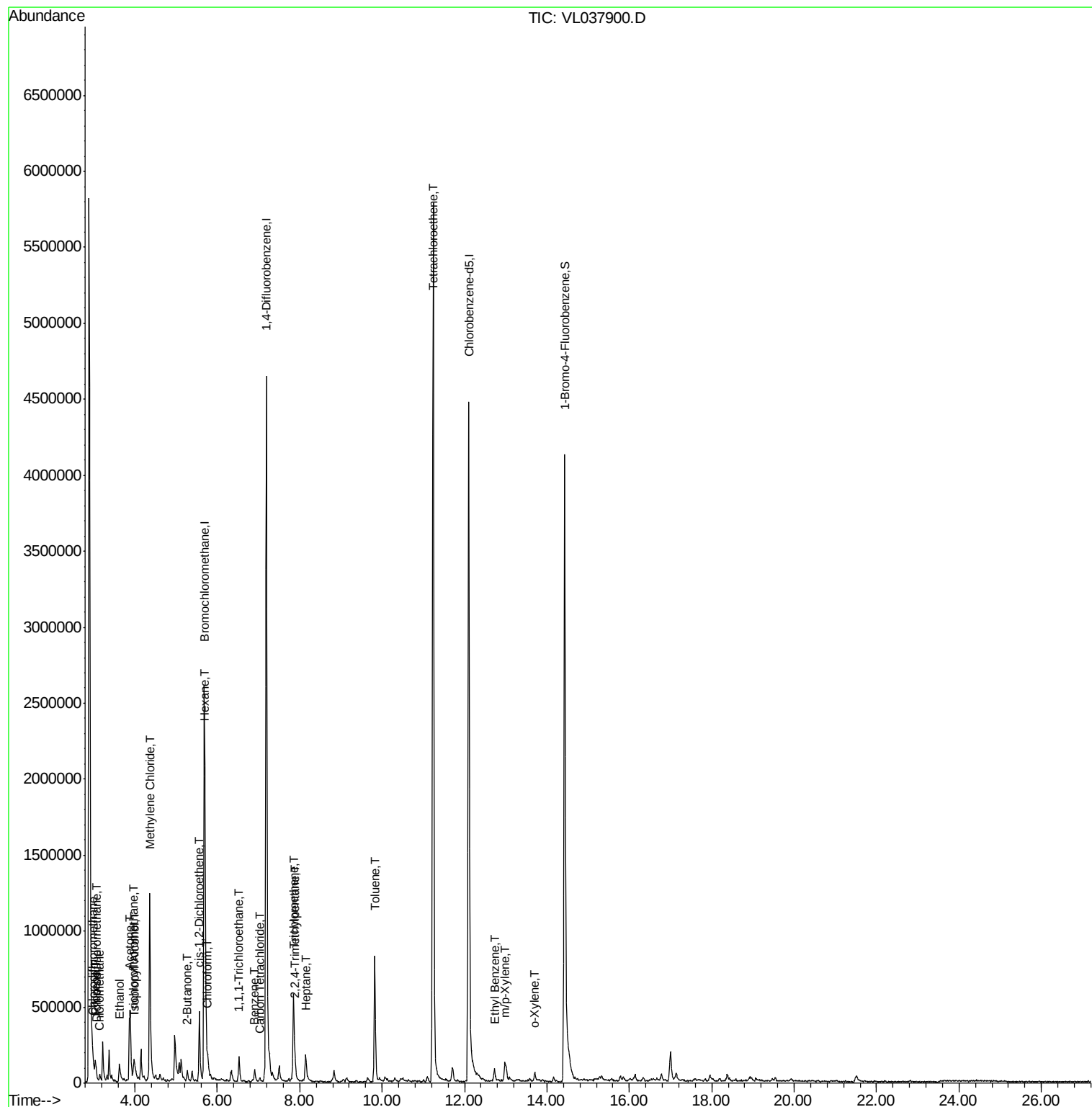
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102521\
Data File : VL037900.D
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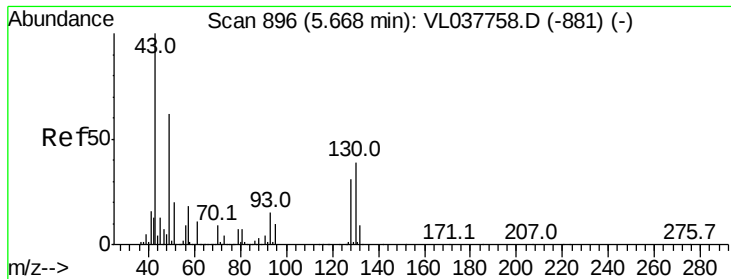
Instrument :
MSVOA_L
ClientSampleId :
SVE-INFLUENT

Quant Time: Oct 27 12:08:10 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-INFLUENT

Acq: 25 Oct 2021 19:17

Tot Ion:

Ion Ratio

49 100

128 52.

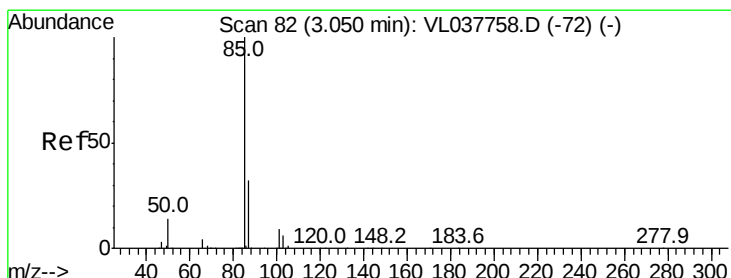
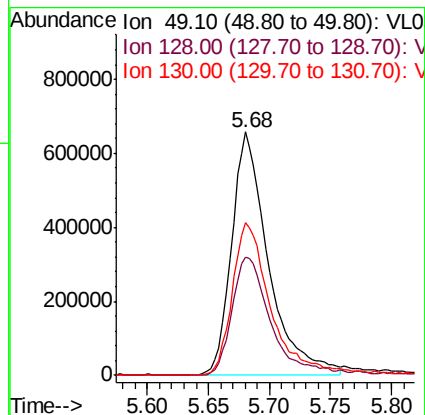
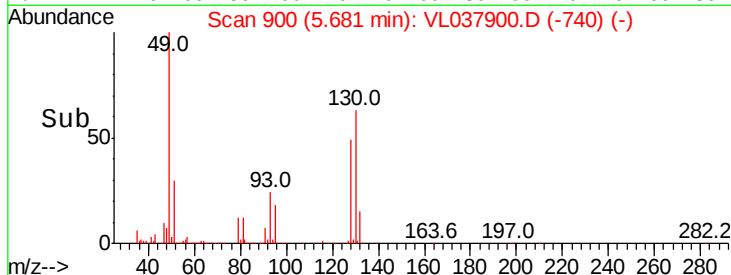
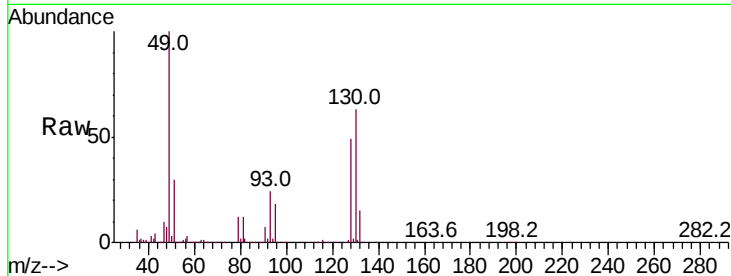
130 67.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 0.211 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL037900.D

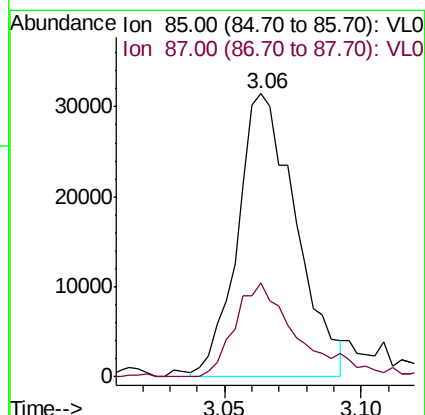
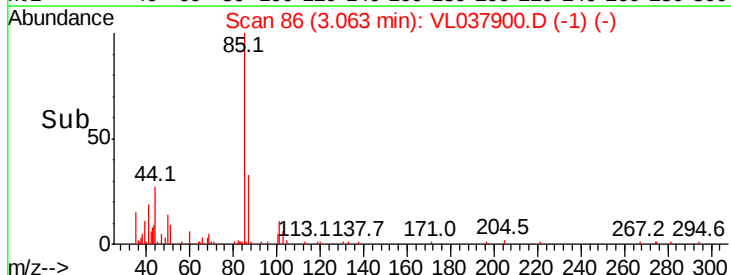
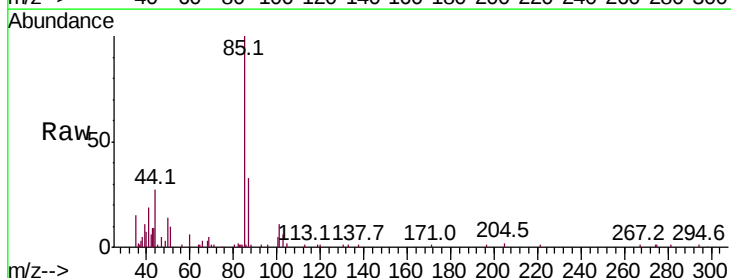
Acq: 25 Oct 2021 19:17

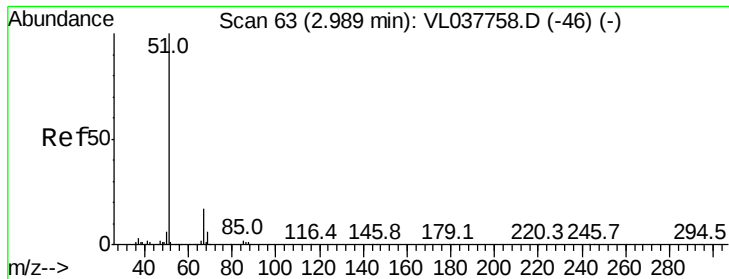
Tgt Ion: 85 Resp: 46651

Ion Ratio Lower Upper

85 100

87 33.5 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.294 ppbv m

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:

Ion Ratio

51 100

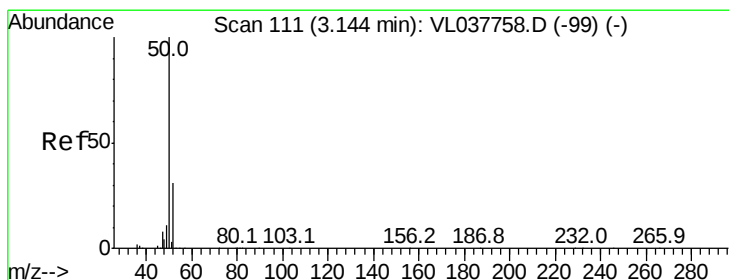
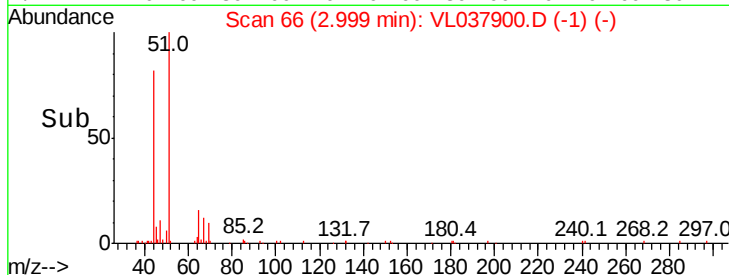
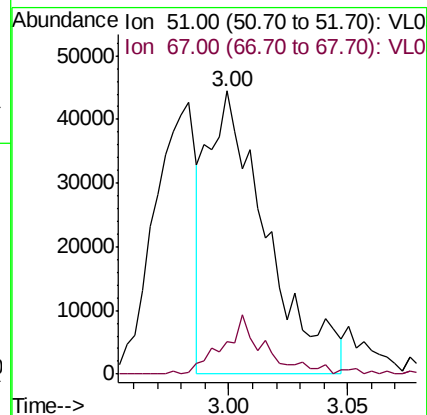
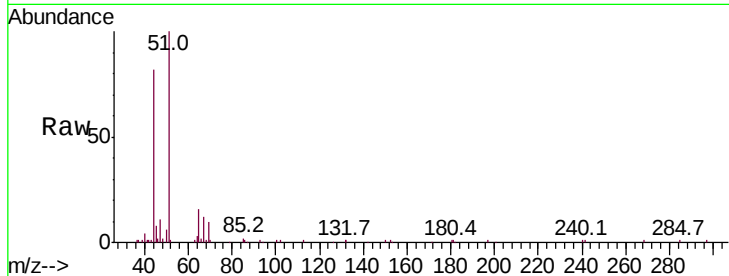
67 15.

Manual Integrations

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#4

Chloromethane

Concen: 0.218 ppbv m

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL037900.D

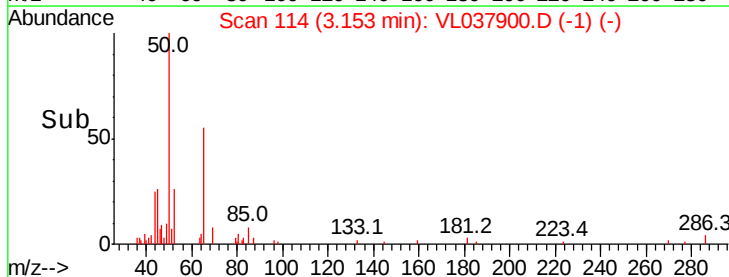
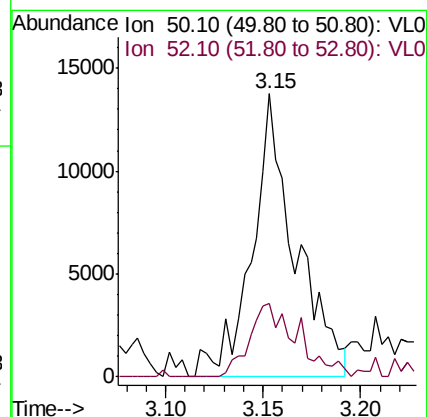
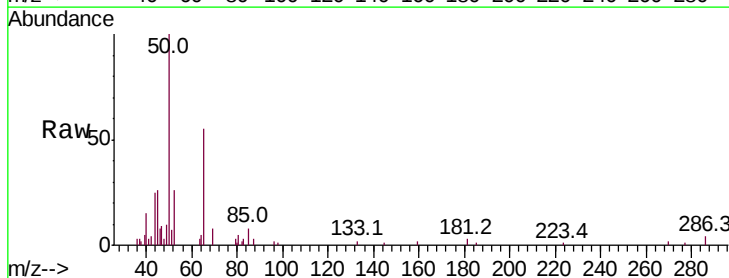
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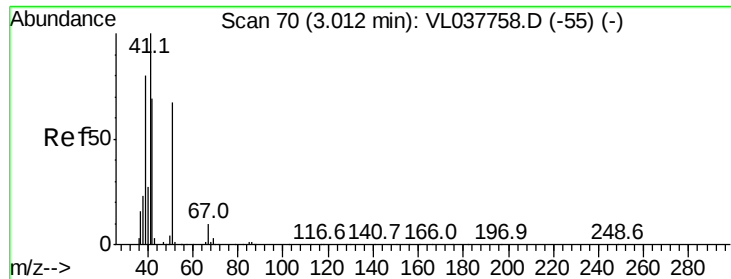
Tgt Ion: 50 Resp: 21197

Ion Ratio Lower Upper

50 100

52 25.9 24.4 36.6





#9

Propene

Concen: 0.424 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:17

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

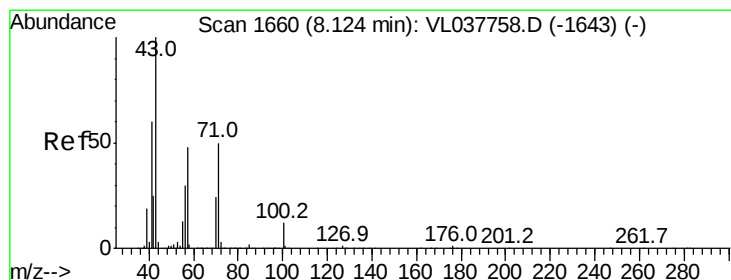
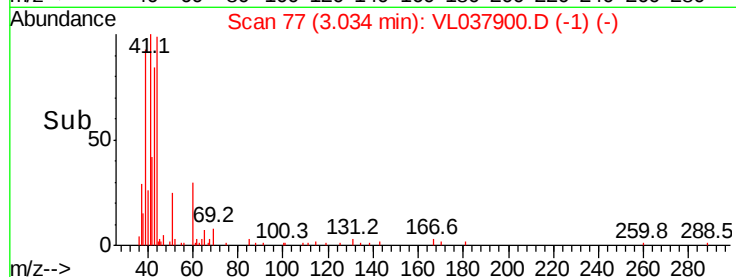
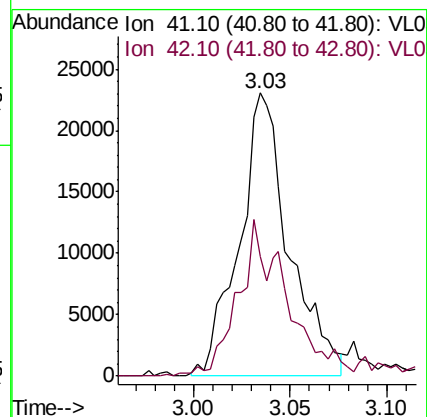
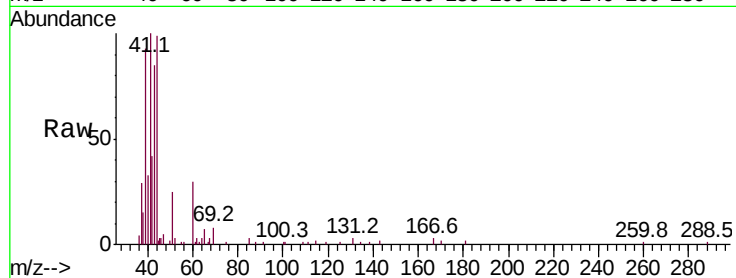
Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:

Ion Ratio

41 100

42 53.



#10

Heptane

Concen: 0.228 ppbv m

RT: 8.14 min Scan# 1666

Delta R.T. 0.02 min

Lab File: VL037900.D

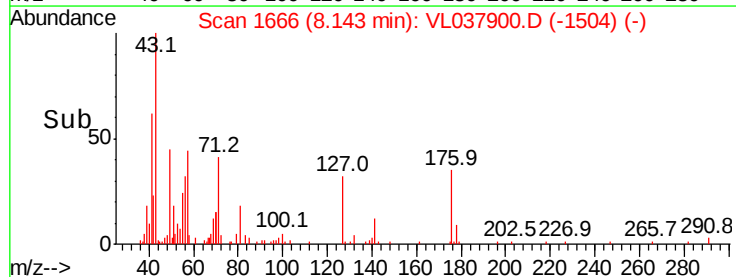
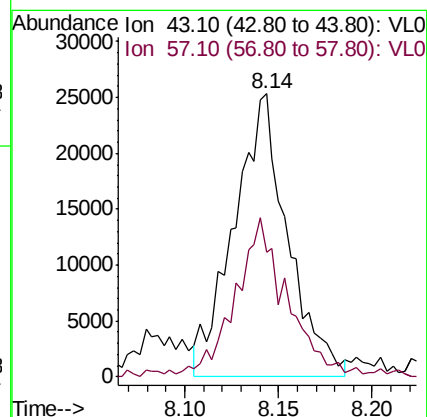
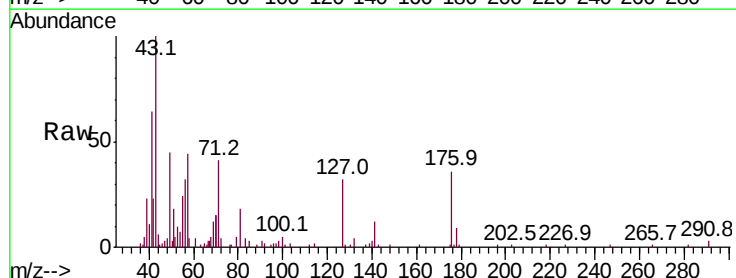
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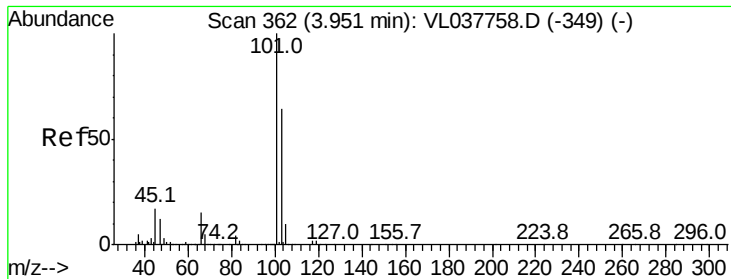
Tgt Ion: 43 Resp: 50568

Ion Ratio Lower Upper

43 100

57 56.4 40.0 60.0



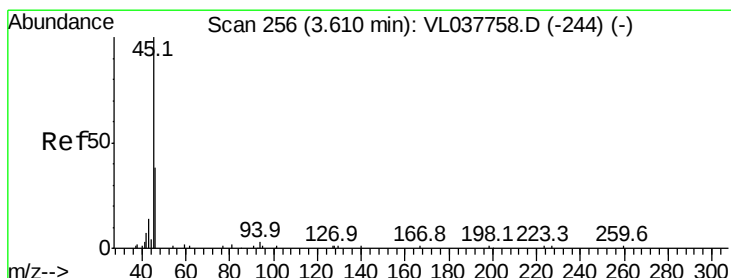
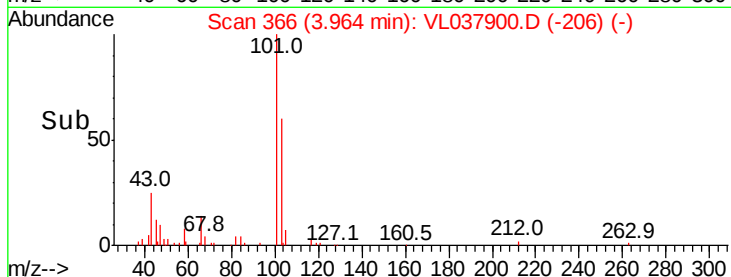
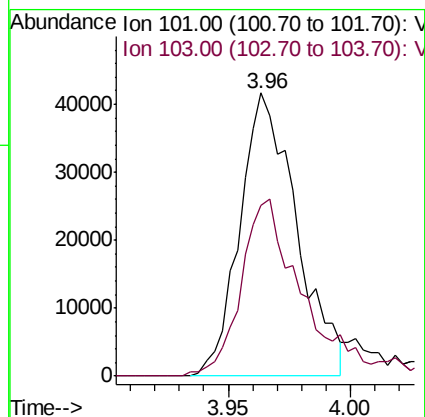
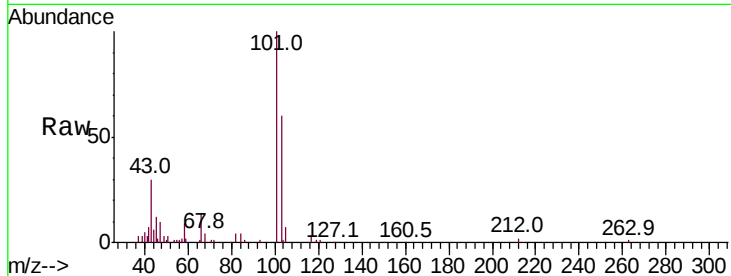


#11
Trichlorofluoromethane
Concen: 0.342 ppbv
RT: 3.96
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:17

Tot Ion:1
Ion Rati
101 100
103 58.

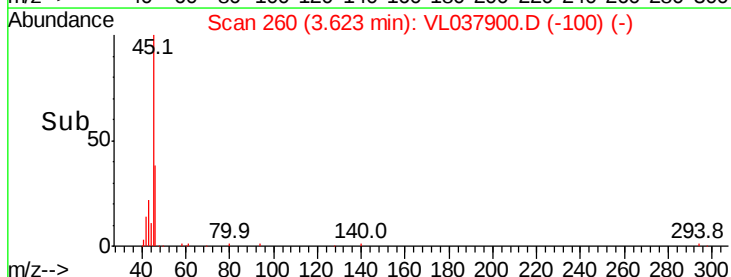
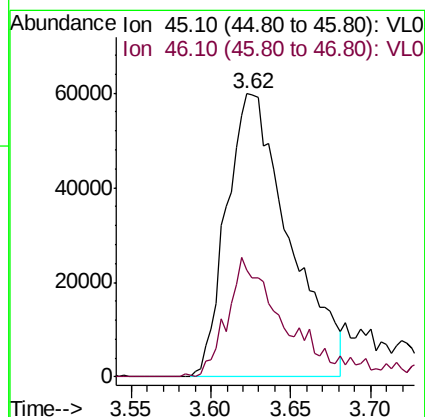
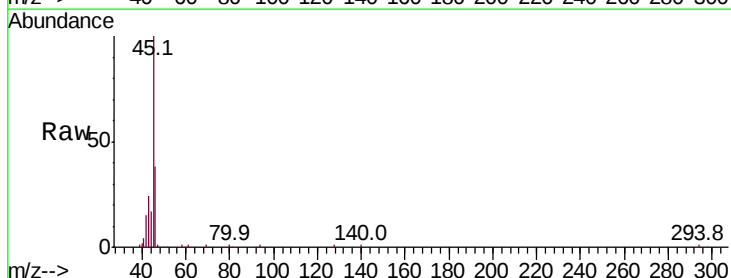
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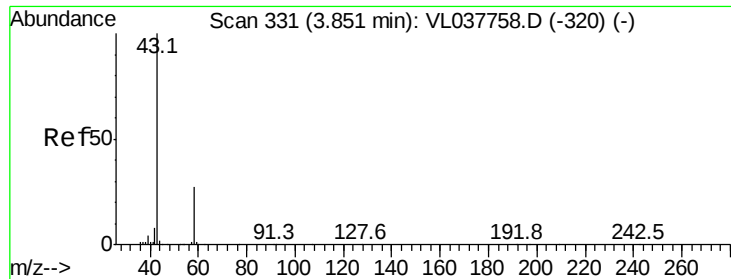
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#13
Ethanol
Concen: 20.212 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion: 45 Resp: 161435
Ion Ratio Lower Upper
45 100
46 39.0 20.2 81.0



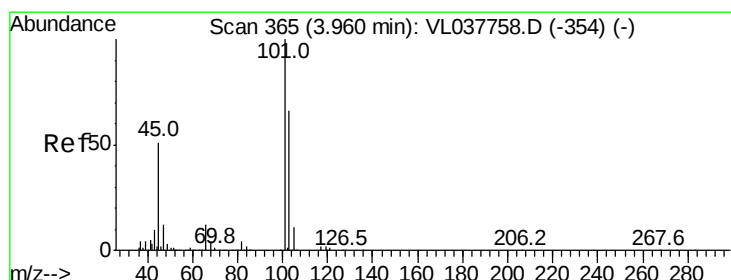
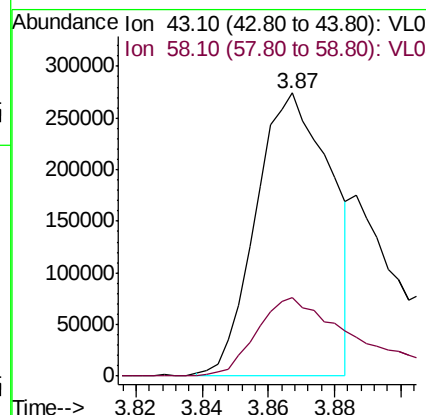
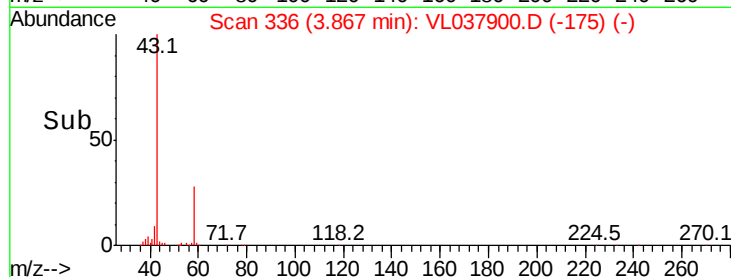
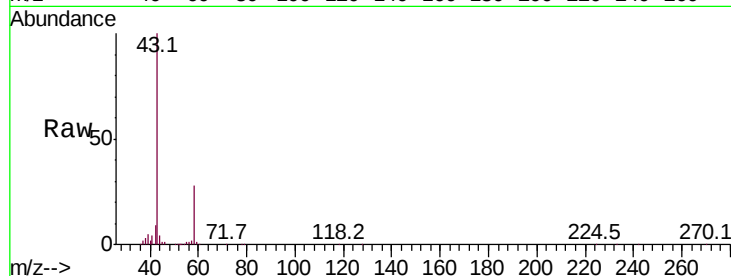


#15
Acetone
Concen: 3.518 ppbv m
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:
Ion Ratio
43 100
58 39.

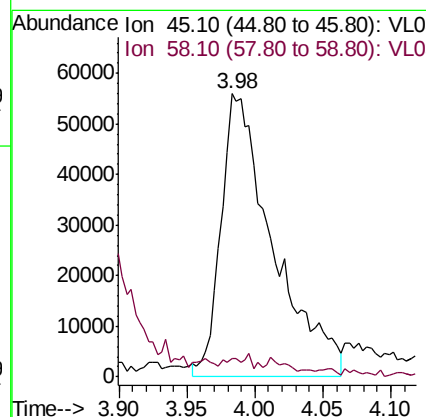
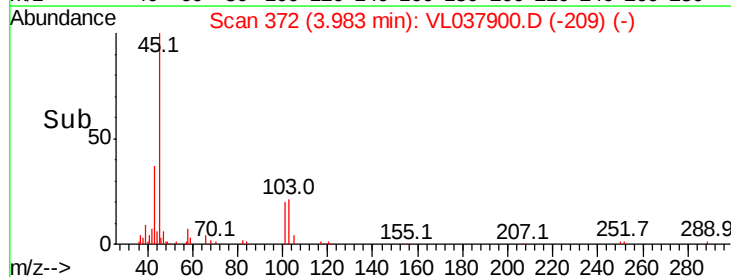
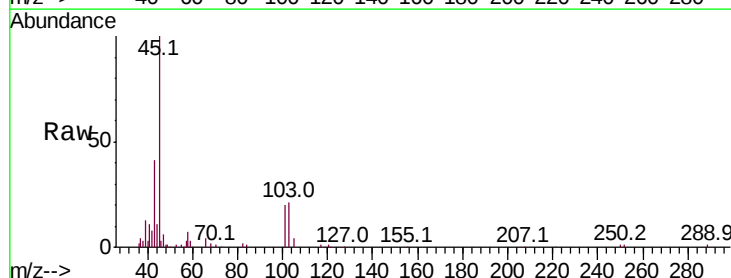
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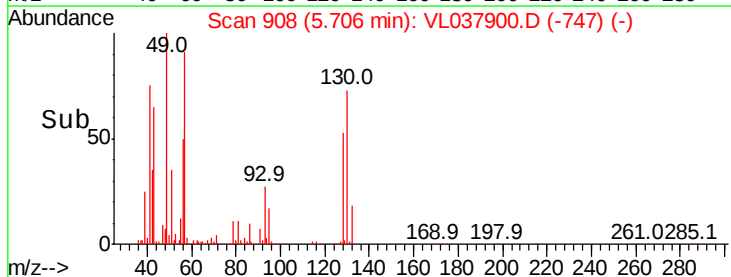
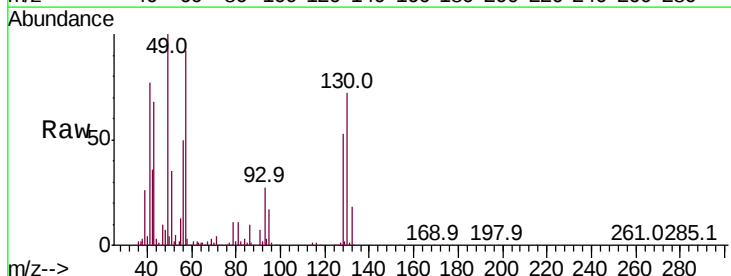
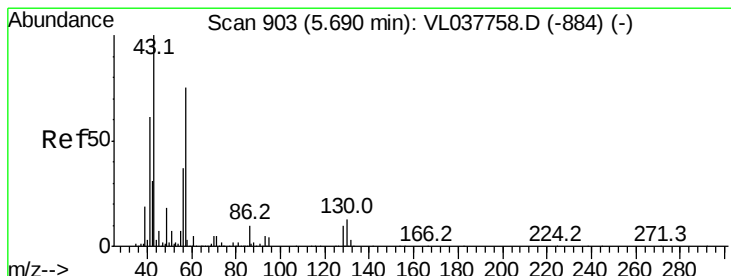
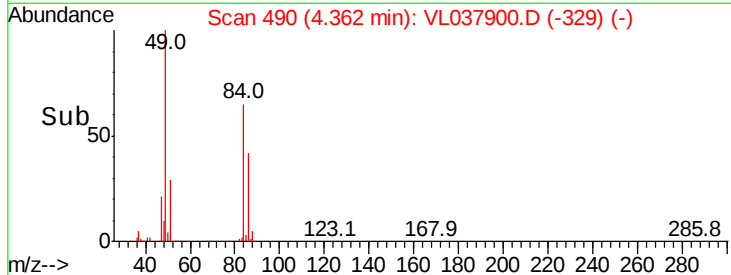
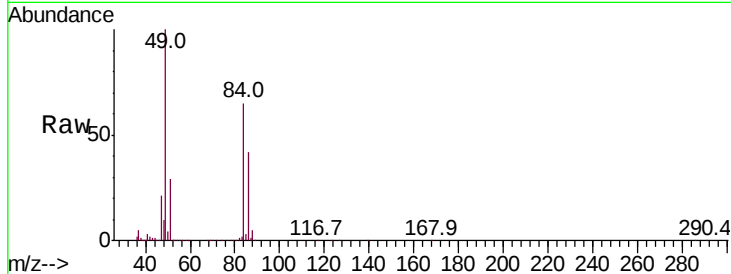
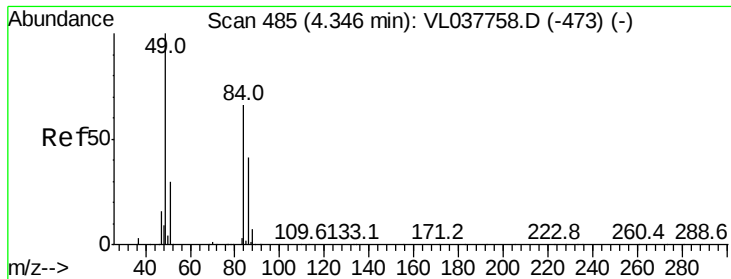
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#19
Isopropyl Alcohol
Concen: 1.926 ppbv m
RT: 3.98 min Scan# 372
Delta R.T. 0.02 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion: 45 Resp: 148576
Ion Ratio Lower Upper
45 100
58 0.0 1.1 1.7#



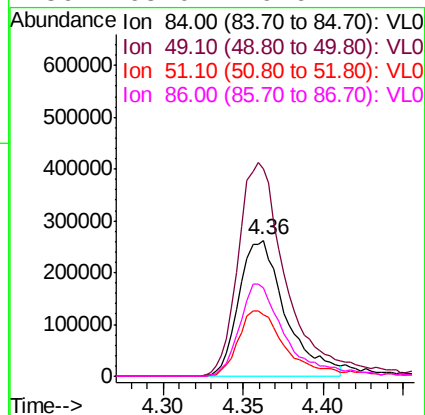


#20
Methvlene Chloride
Concen: 8.346 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:17

Tot Ion:
Ion Ratio
84 100
49 152.
51 44.
86 65.0 49.6 74.4

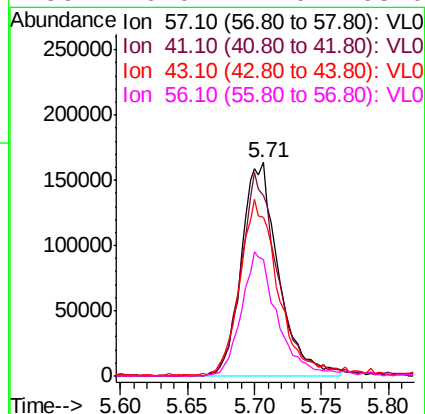
Manual Integrations
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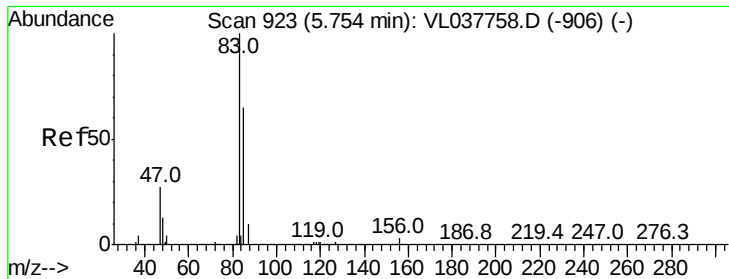
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#26
Hexane
Concen: 1.835 ppbv m
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion: 57 Resp: 314490
Ion Ratio Lower Upper
57 100
41 0.0 69.6 104.4#
43 0.0 171.4 257.0#
56 0.0 42.0 63.0#



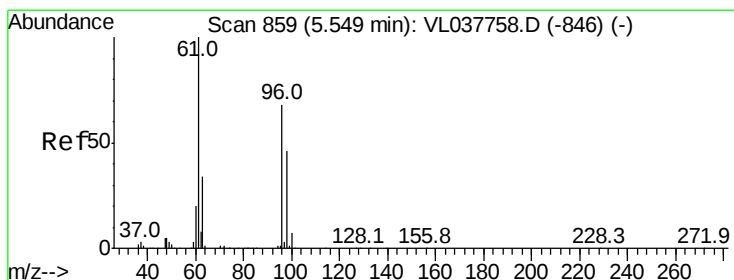
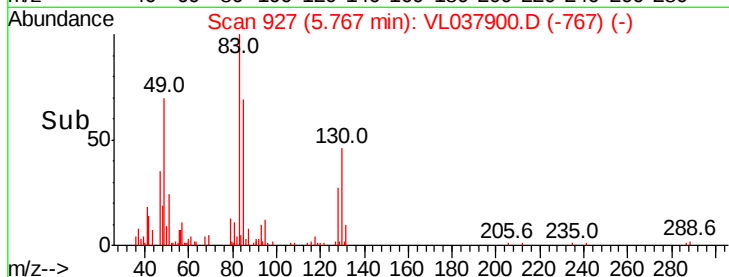
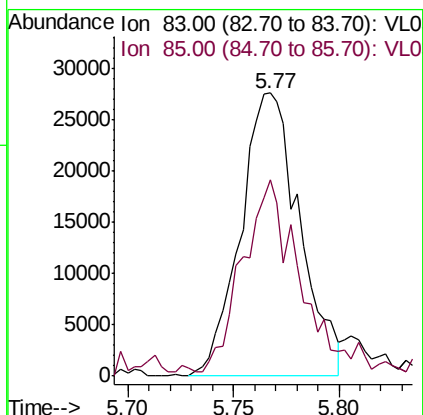
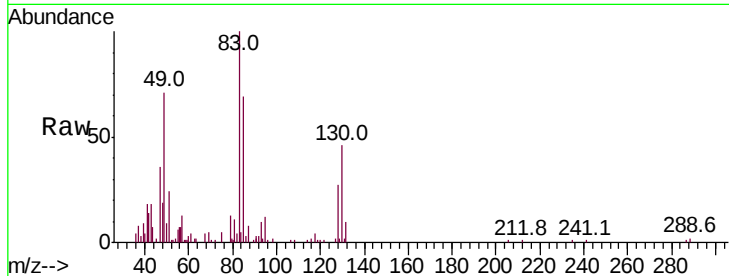


#29
Chloroform
Concen: 0.219 ppbv
RT: 5.77
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:
Ion Rati
83 100
85 66.

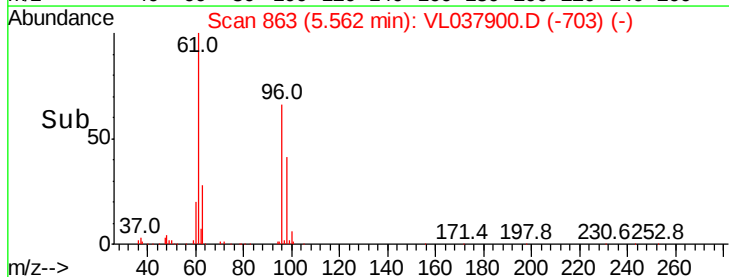
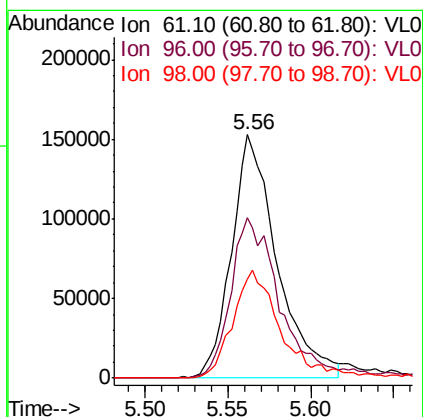
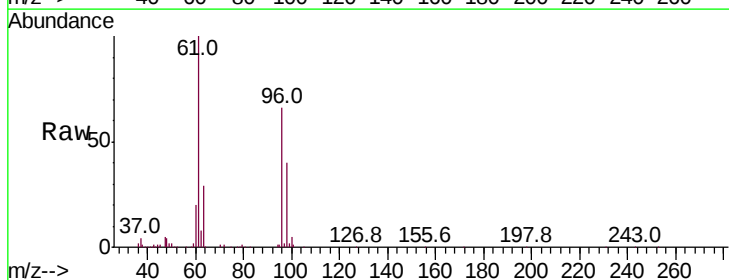
Manual Integrations
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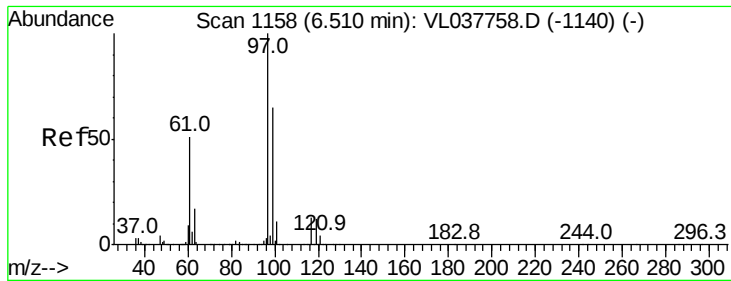
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#31
cis-1,2-Dichloroethene
Concen: 1.855 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion: 61 Resp: 288494
Ion Ratio Lower Upper
61 100
96 66.1 54.2 81.2
98 40.6 36.6 54.8



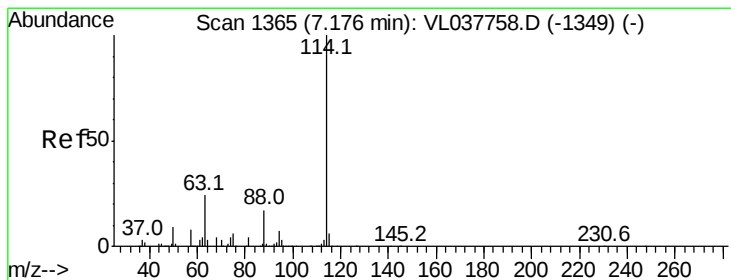
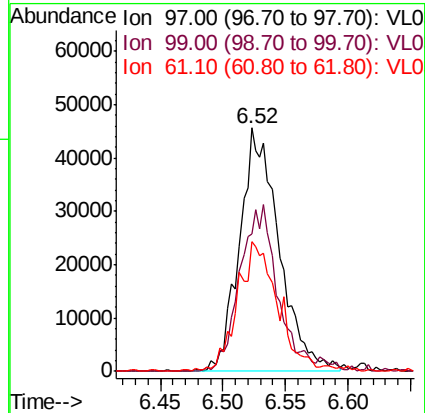
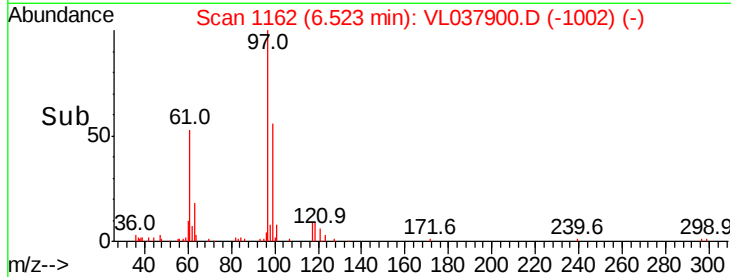
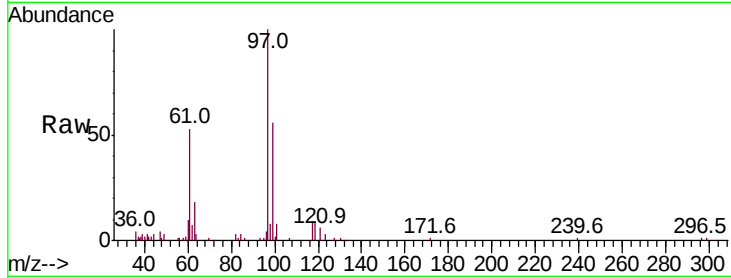


#32
 1,1,1-Trichloroethane
 Concen: 0.431 ppbv m
 RT: 6.52
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 19:17

Tot Ion:
 Ion Ratio
 97 100
 99 0.
 61 55.

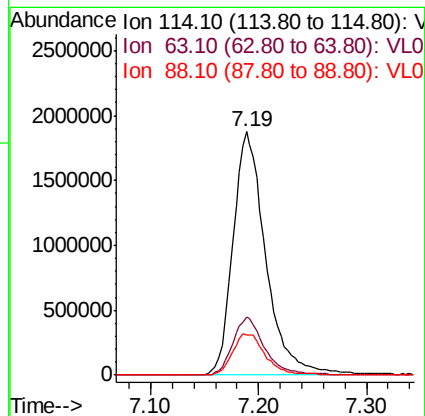
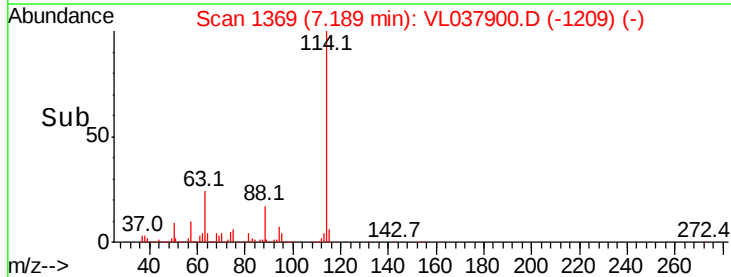
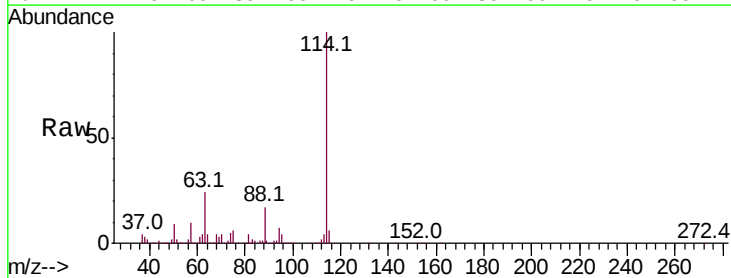
Manual Integrations
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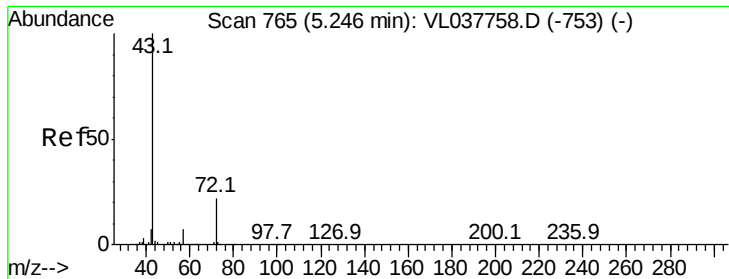
Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VL037900.D
 Acq: 25 Oct 2021 19:17

Tgt Ion:114 Resp: 3940542
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.4 29.2
 88 17.6 14.4 21.6





#34

2-Butanone

Concen: 0.528 ppbv

RT: 5.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:

Ion Ratio

43 100

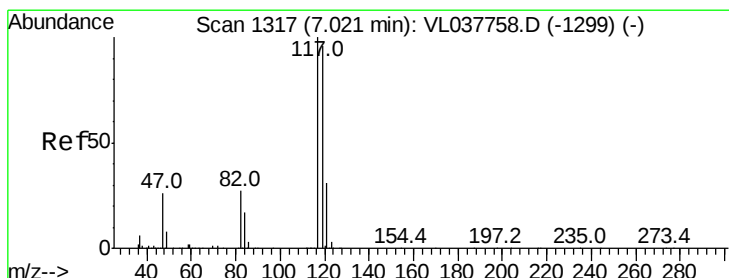
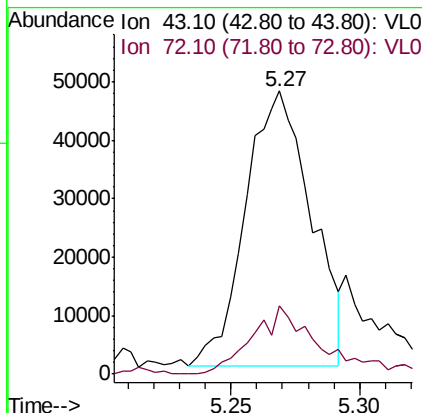
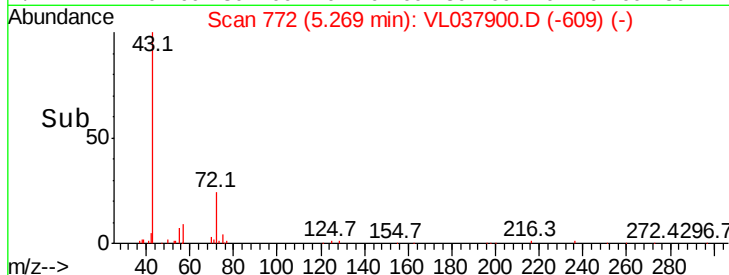
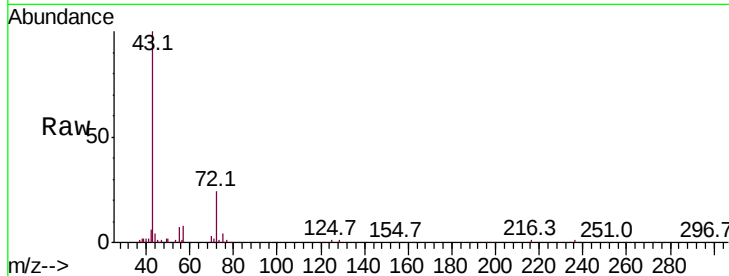
72 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#35

Carbon Tetrachloride

Concen: 0.064 ppbv m

RT: 7.04 min Scan# 1323

Delta R.T. 0.02 min

Lab File: VL037900.D

Acq: 25 Oct 2021 19:17

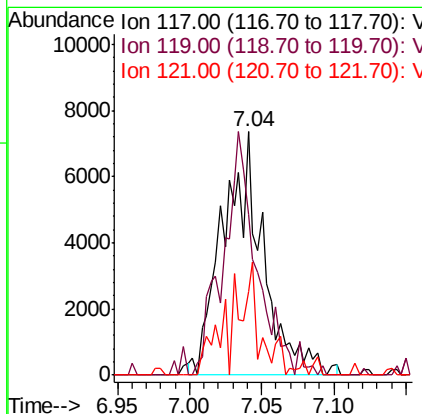
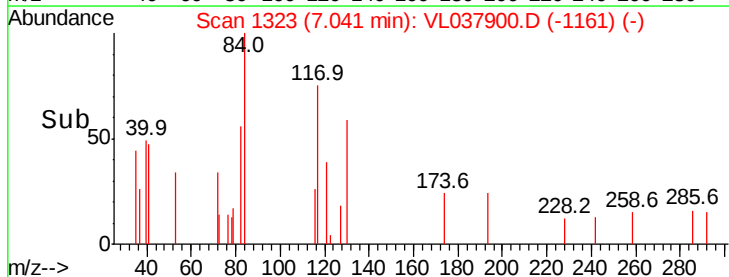
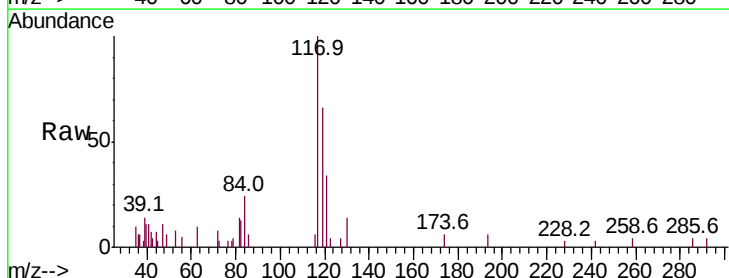
Tgt Ion:117 Resp: 14400

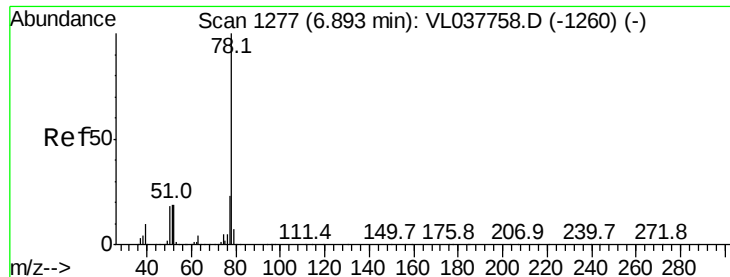
Ion Ratio Lower Upper

117 100

119 65.7 76.5 114.7#

121 34.3 24.9 37.3



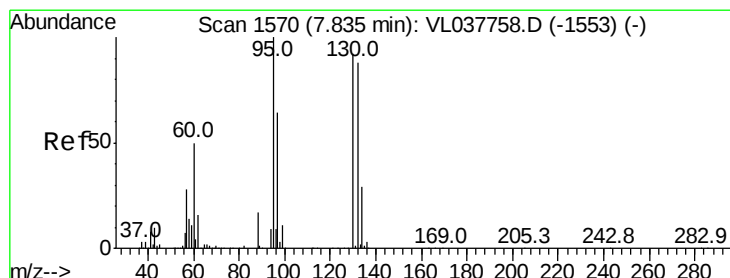
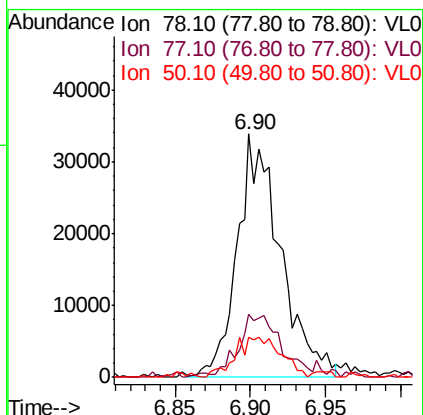
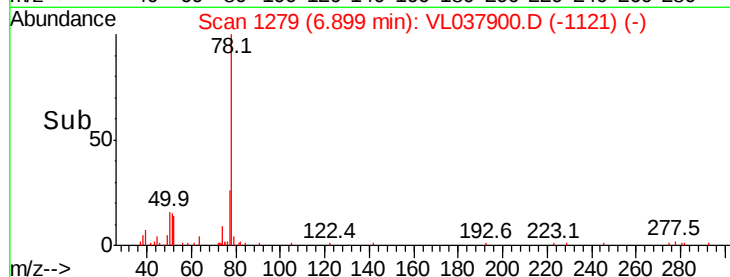
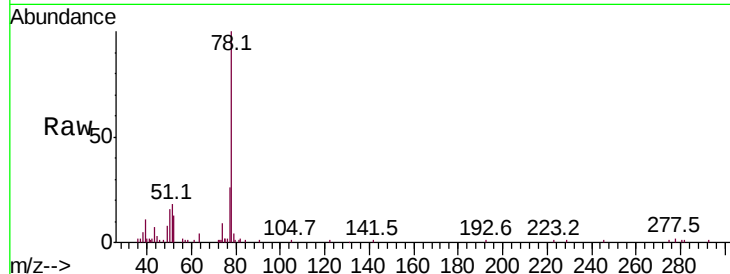


#36
Benzene
Concen: 0.200 ppbv m
RT: 6.90
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:
Ion Ratio
78 100
77 26.
50 16.

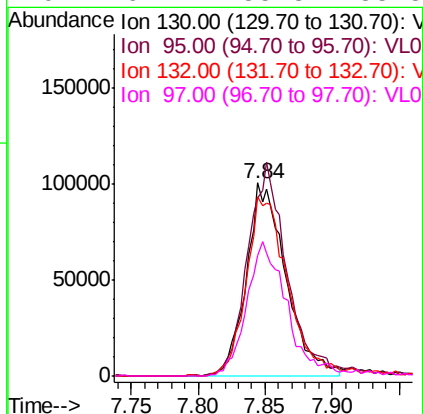
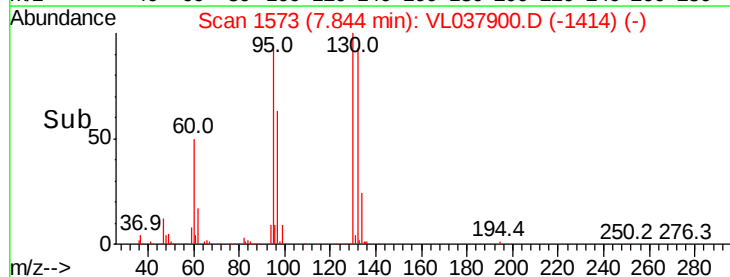
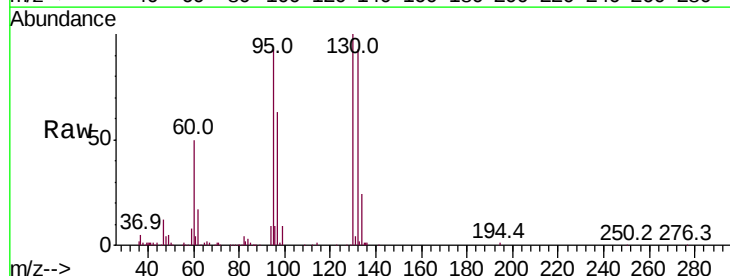
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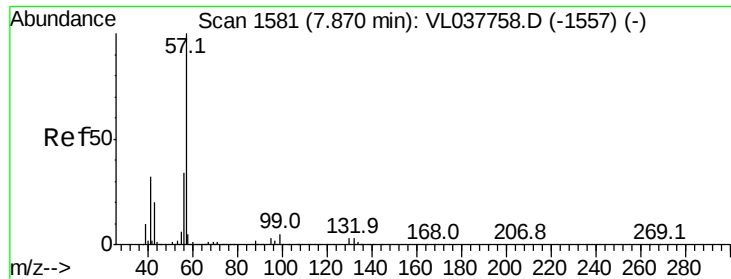
Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#38
Trichloroethene
Concen: 1.553 ppbv m
RT: 7.84 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion:130 Resp: 206550
Ion Ratio Lower Upper
130 100
95 92.6 87.4 131.0
132 92.9 76.8 115.2
97 62.7 55.8 83.8





#44

2,2,4-Trimethylpentane

Concen: 0.154 ppbv m

RT: 7.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:

Ion Ratio

57 100

41 50.

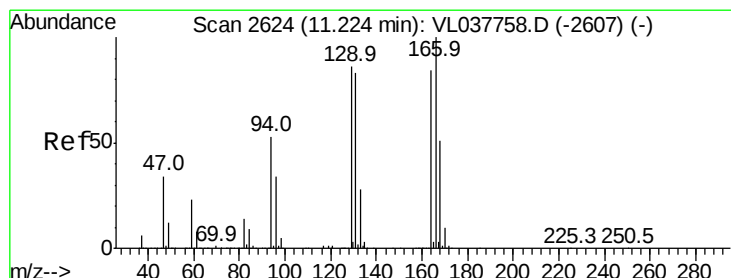
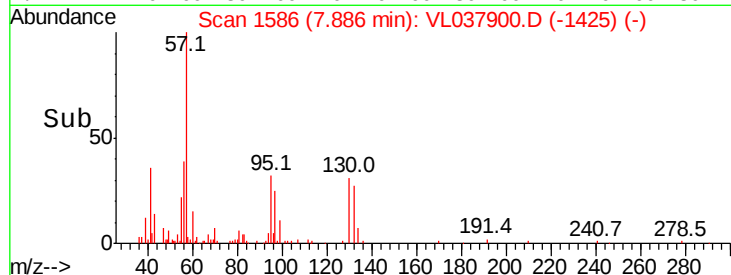
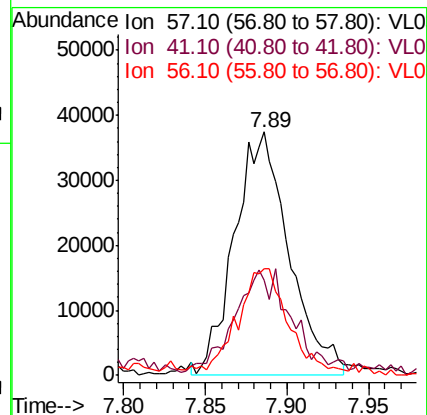
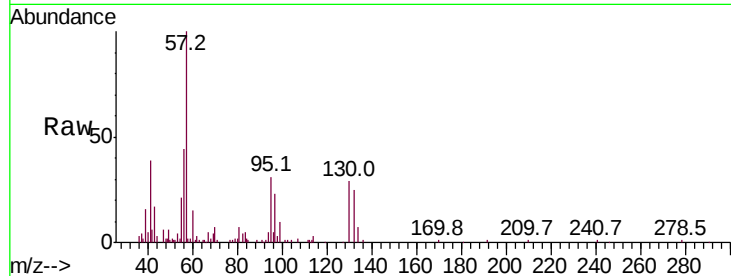
56 45.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#52

Tetrachloroethene

Concen: 12.389 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.02 min

Lab File: VL037900.D

Acq: 25 Oct 2021 19:17

Tgt Ion:164 Resp: 1622363

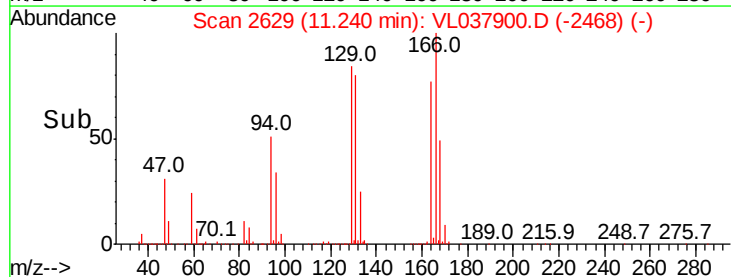
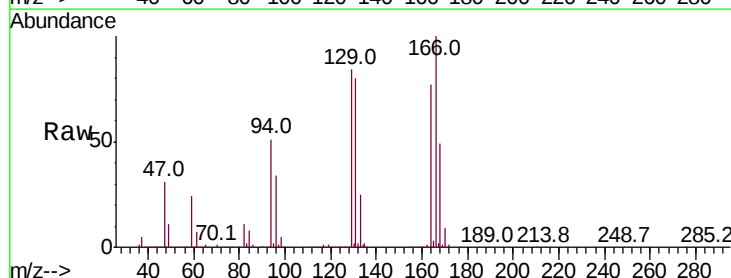
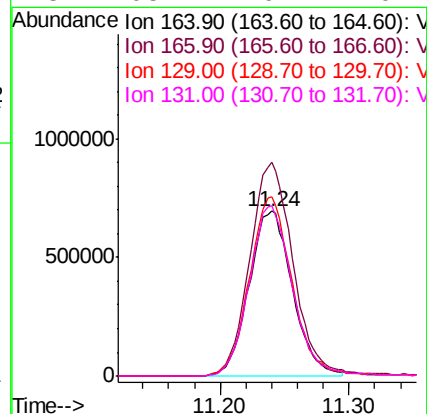
Ion Ratio Lower Upper

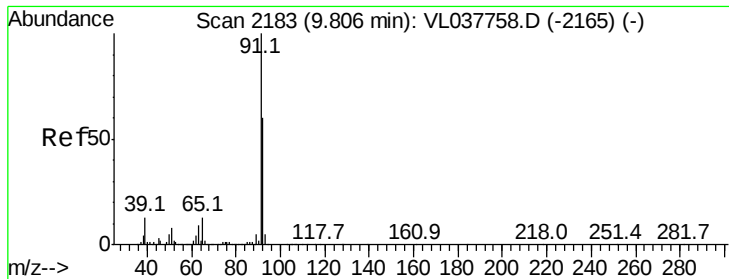
164 100

166 129.8 95.4 143.2

129 109.0 82.2 123.4

131 103.4 79.4 119.2





#53

Toluene

Concen: 1.797 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:

Ion Ratio

91 100

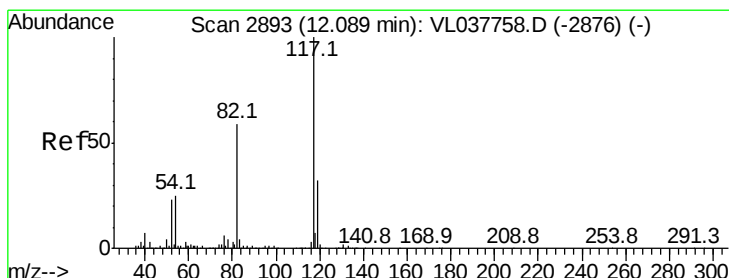
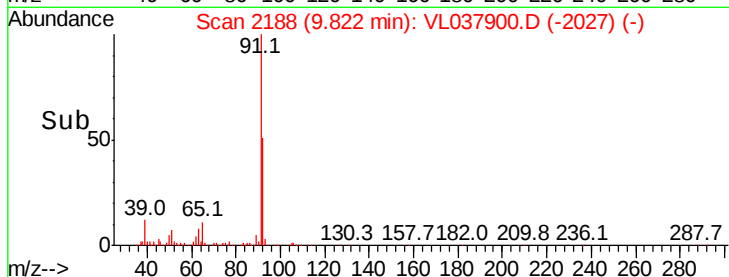
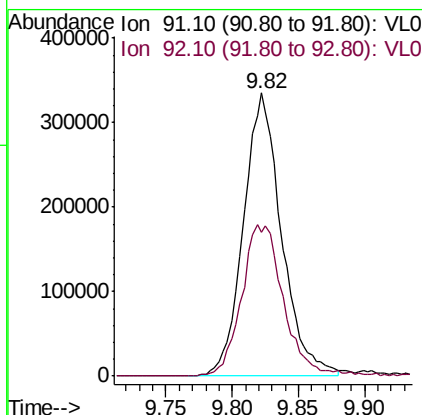
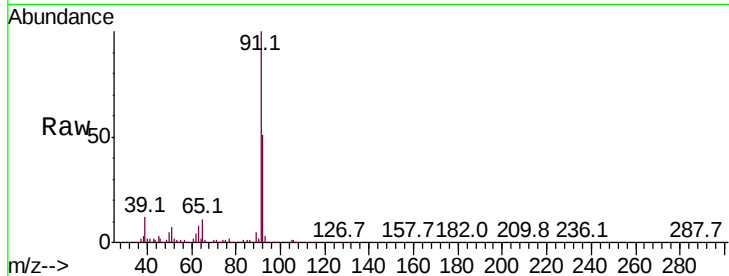
92 59.

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL037900.D

Acq: 25 Oct 2021 19:17

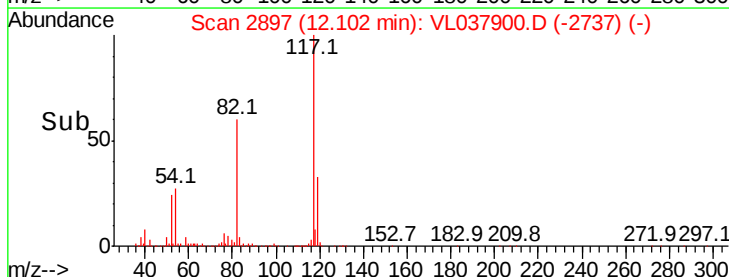
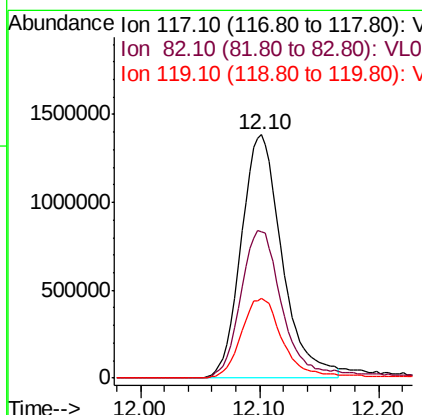
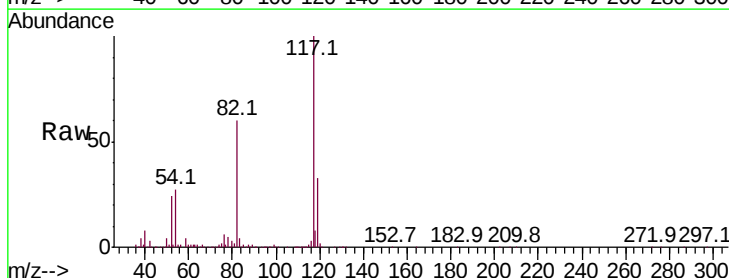
Tgt Ion:117 Resp: 3298379

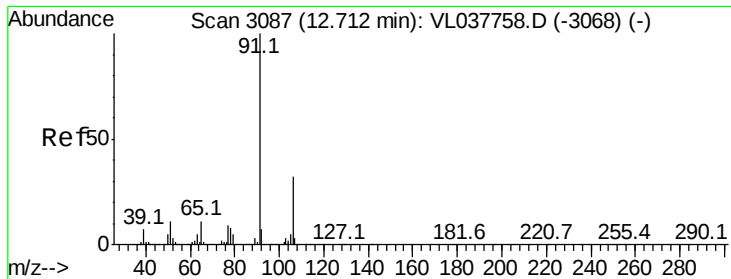
Ion Ratio Lower Upper

117 100

82 64.7 52.2 78.2

119 34.6 26.0 39.0





#58

Ethyl Benzene

Concen: 0.148 ppbv m

RT: 12.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 19:17

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Reviewed By :Semsettin Yesilyurt 10/27/2021

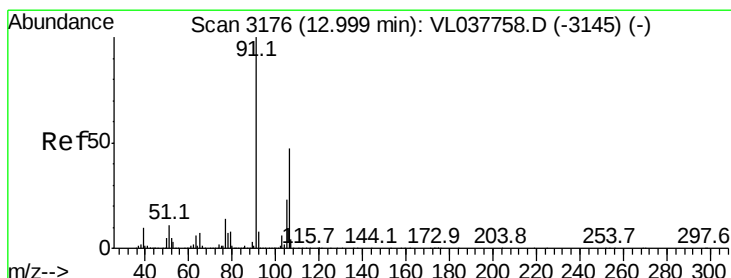
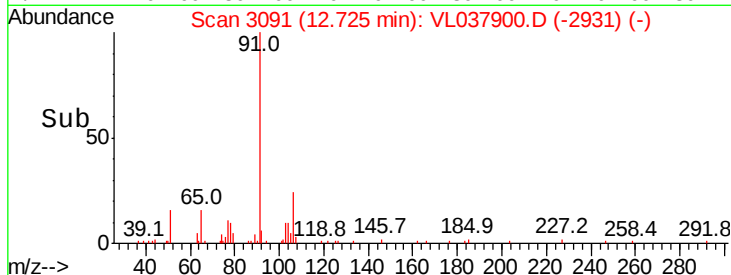
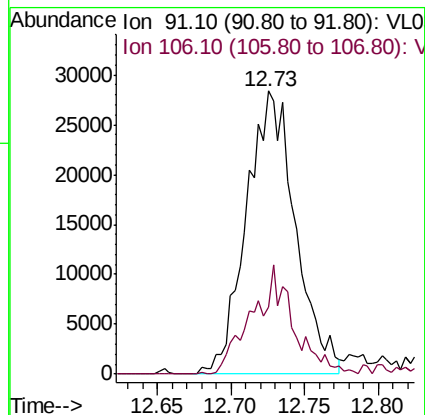
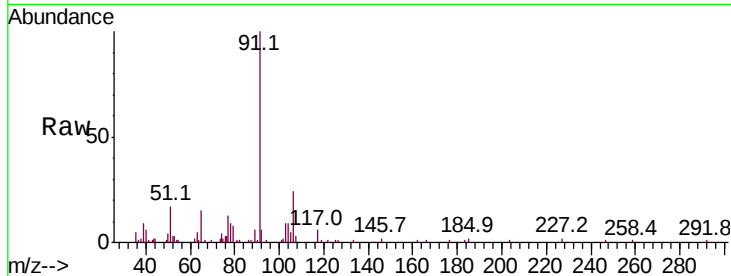
Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:

Ion Ratio

91 100

106 23.



#59

m/p-Xylene

Concen: 0.357 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.01 min

Lab File: VL037900.D

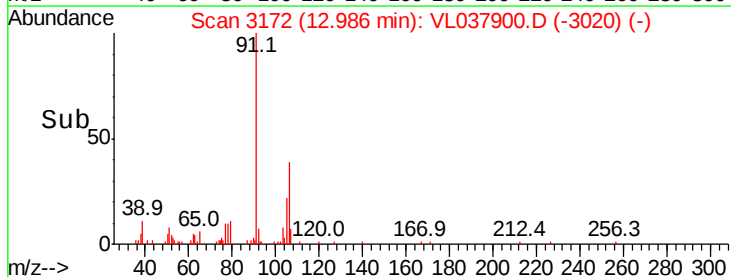
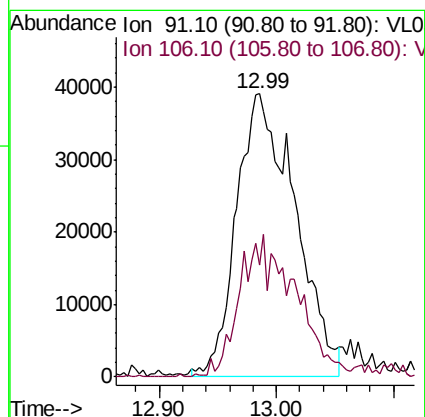
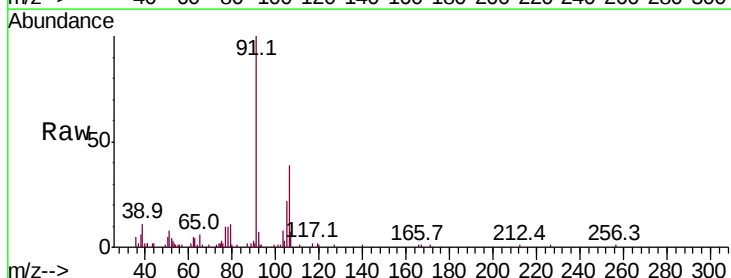
Acq: 25 Oct 2021 19:17

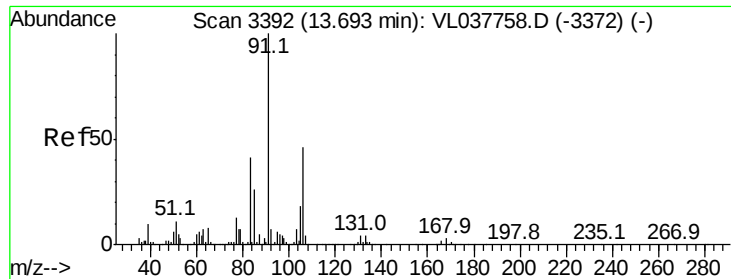
Tgt Ion: 91 Resp: 135713

Ion Ratio Lower Upper

91 100

106 0.0 36.7 55.1#



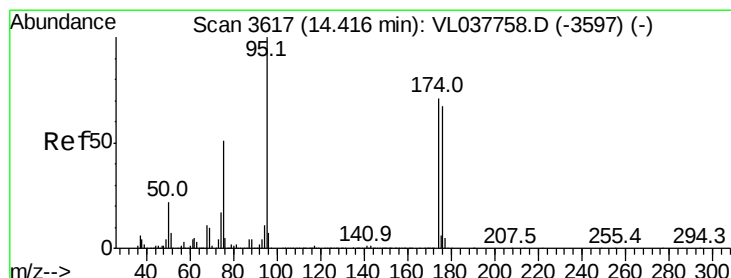
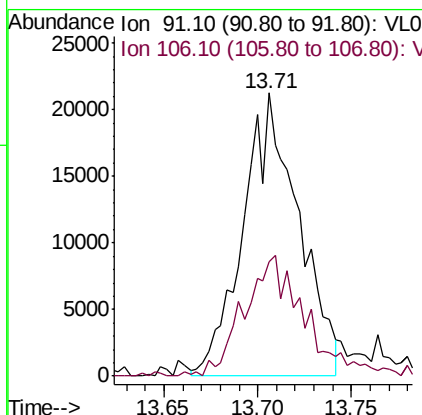
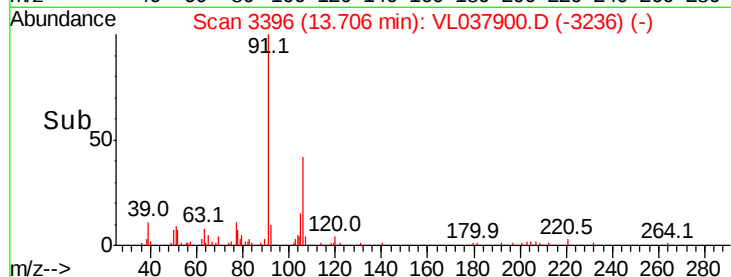
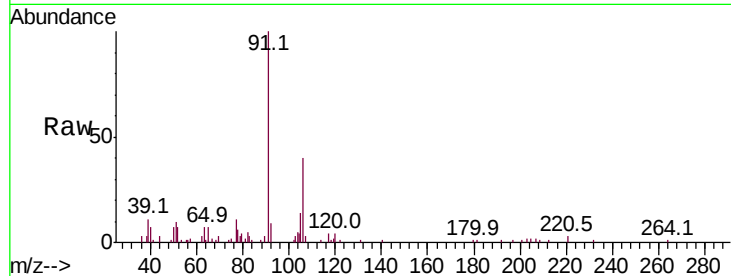


#60
o-Xylene
Concen: 0.119 ppbv m
RT: 13.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 19:17 SVE-INFLUENT

Tot Ion:
Ion Ratio
91 100
106 47.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/27/2021
Supervised By :Mahesh Dadoda 10/27/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.362 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.01 min
Lab File: VL037900.D
Acq: 25 Oct 2021 19:17

Tgt Ion: 95 Resp: 2390111
Ion Ratio Lower Upper
95 100
174 72.2 57.8 86.6
175 5.4 4.7 7.1

