

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\
 Data File : VL037898.D
 Acq On : 25 Oct 2021 17:43
 Operator : SY/AP
 Sample : M4339-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SVE-EFFLUENT

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 12:06:09 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	1308822	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3738768	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3089745	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2272006	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	45646m	0.218	ppbv
3) Chlorodifluoromethane	2.99	51	66840m	0.266	ppbv
4) Chloromethane	3.16	50	15814m	0.172	ppbv
9) Propene	3.03	41	24733	0.267	ppbv
10) Heptane	8.14	43	57690m	0.275	ppbv
11) Trichlorofluoromethane	3.97	101	83340m	0.447	ppbv
13) Ethanol	3.63	45	145385m	19.212	ppbv
15) Acetone	3.87	43	236698m	2.015	ppbv
19) Isopropyl Alcohol	3.99	45	127911m	1.750	ppbv
20) Methylene Chloride	4.36	84	250045	4.212	ppbv
22) trans-1,2-Dichloroethene	4.90	96	9567m	0.148	ppbv
26) Hexane	5.70	57	201150	1.239	ppbv #
29) Chloroform	5.76	83	94207m	0.406	ppbv
31) cis-1,2-Dichloroethene	5.56	61	587169	3.984	ppbv
32) 1,1,1-Trichloroethane	6.52	97	143778	0.654	ppbv
34) 2-Butanone	5.27	43	50025m	0.331	ppbv
35) Carbon Tetrachloride	7.03	117	8979m	0.042	ppbv
36) Benzene	6.91	78	66474m	0.208	ppbv
44) 2,2,4-Trimethylpentane	7.89	57	61248	0.114	ppbv #
52) Tetrachloroethene	11.23	164	47613m	0.383	ppbv
53) Toluene	9.82	91	812361	2.295	ppbv
58) Ethyl Benzene	12.72	91	67721m	0.163	ppbv
59) m/p-Xylene	12.98	91	143472m	0.403	ppbv
60) o-Xylene	13.69	91	44044m	0.129	ppbv

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

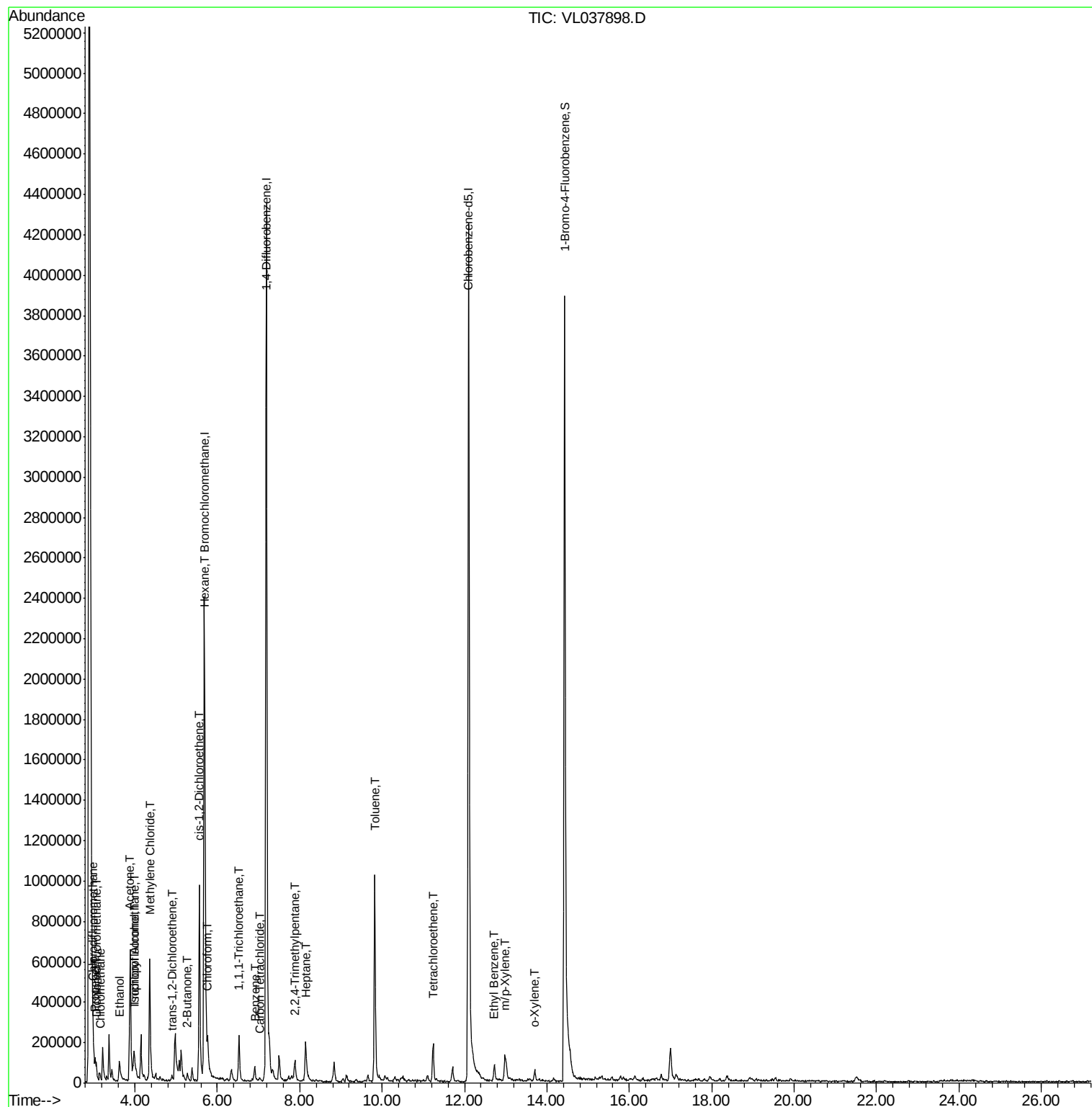
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102521\
Data File : VL037898.D
Acq On : 25 Oct 2021 17:43
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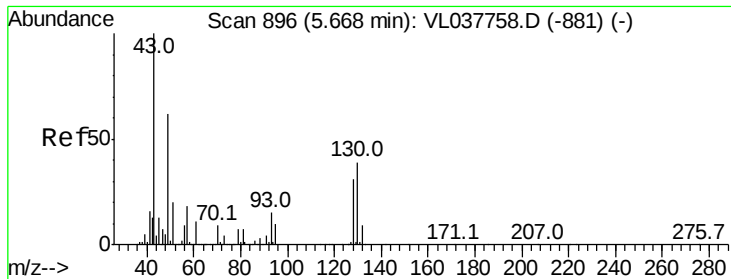
Instrument :
MSVOA_L
ClientSampleId :
SVE-EFFLUENT

Quant Time: Oct 27 12:06:09 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/27/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 17:43

Tot Ion:

Ion Ratio

49 100

128 53.

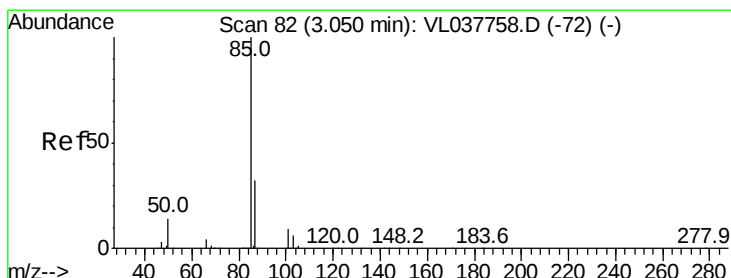
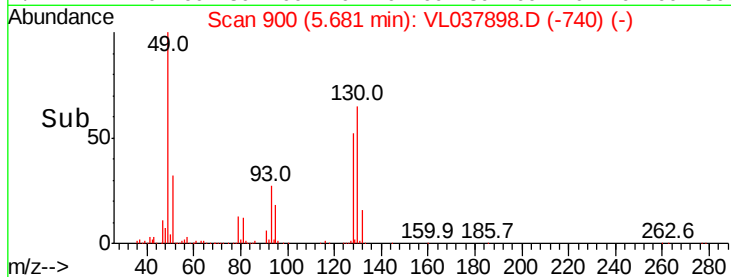
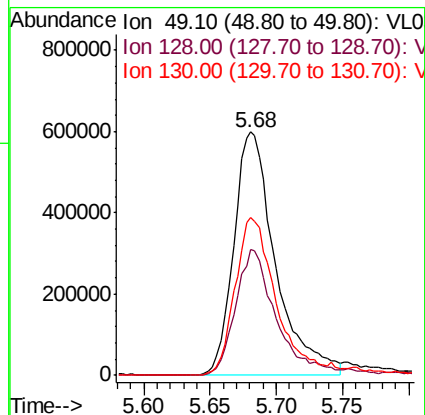
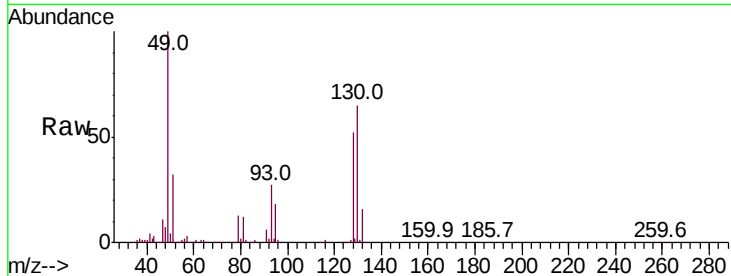
130 69.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/27/2021



#2

Dichlorodifluoromethane

Concen: 0.218 ppbv m

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL037898.D

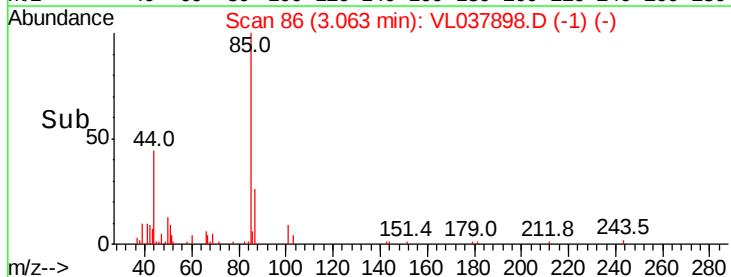
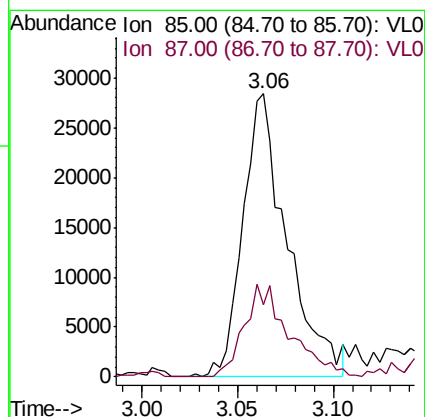
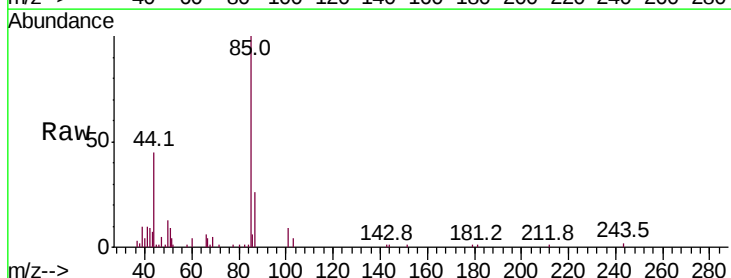
Acq: 25 Oct 2021 17:43

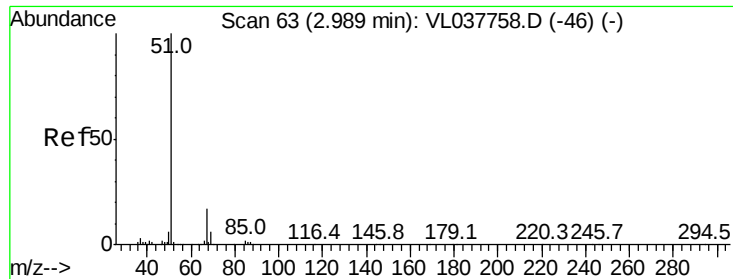
Tgt Ion: 85 Resp: 45646

Ion Ratio Lower Upper

85 100

87 25.6 25.7 38.5#





#3

Chlorodifluoromethane

Concen: 0.266 ppbv m

RT: 2.99 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:

Ion Ratio

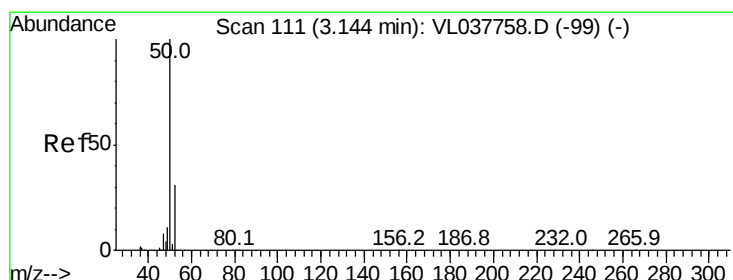
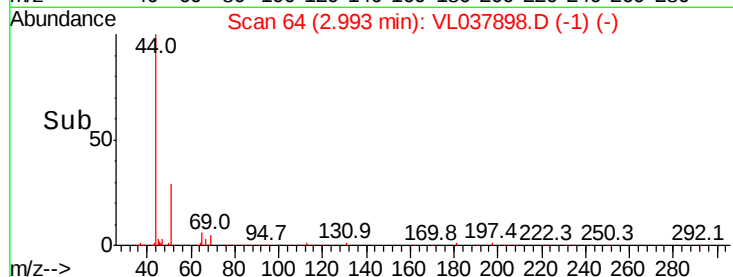
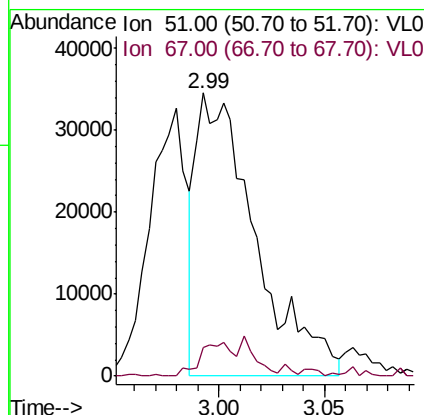
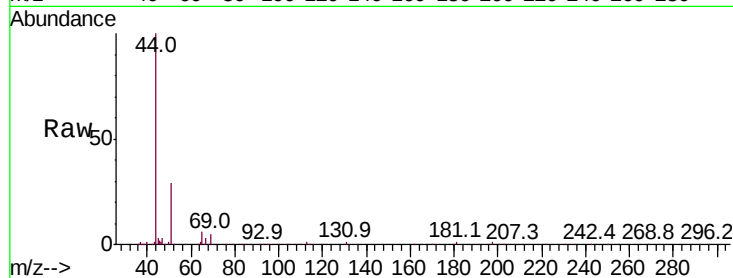
51 100

67 11.

Manual Integrations

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#4

Chloromethane

Concen: 0.172 ppbv m

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL037898.D

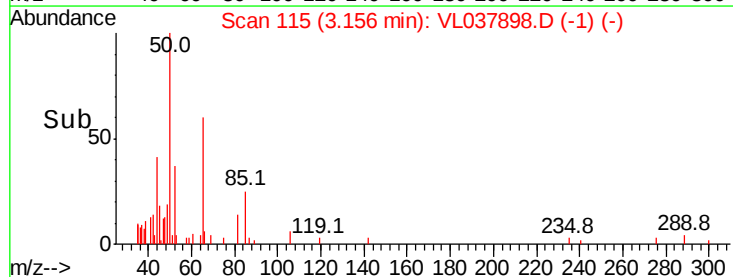
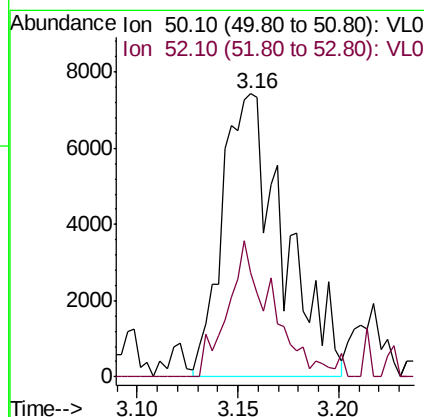
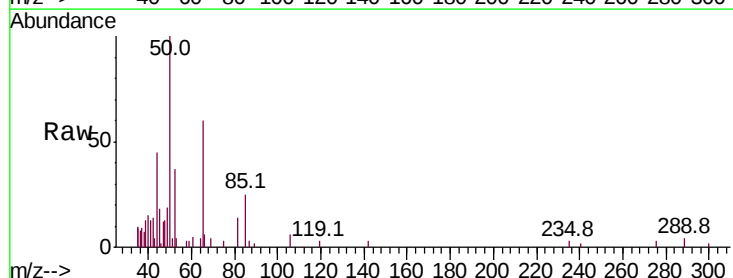
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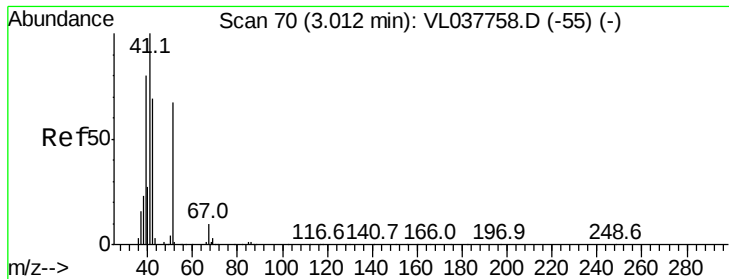
Tgt Ion: 50 Resp: 15814

Ion Ratio Lower Upper

50 100

52 37.0 24.4 36.6#





#9

Propene

Concen: 0.267 ppbv

RT: 3.03

Delta R.T.

Lab File:

Acq: 25 Oct 2021 17:43

Instrument :

MSVOA_L

ClientSampleId :

SVE-EFFLUENT

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/27/2021

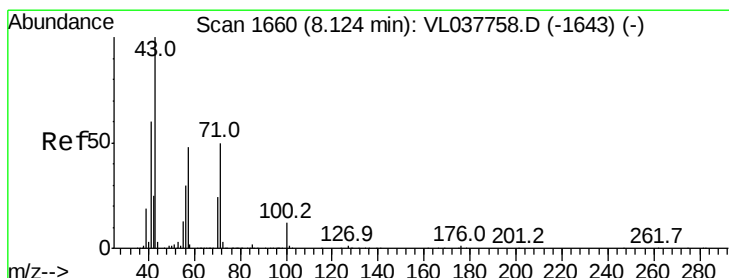
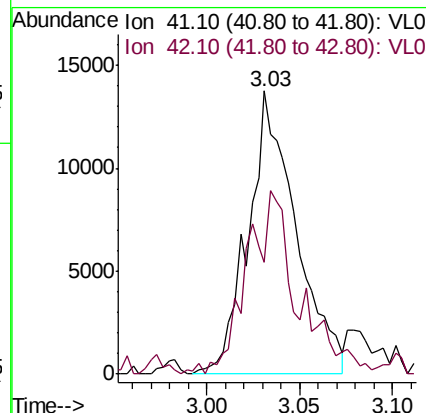
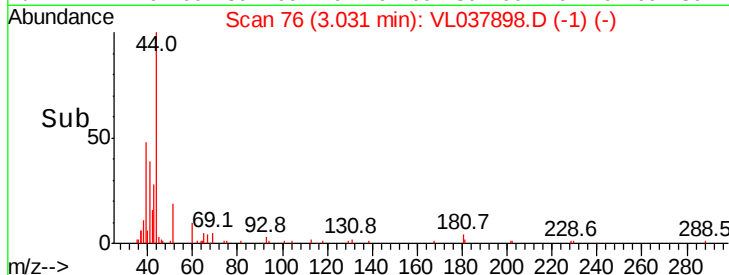
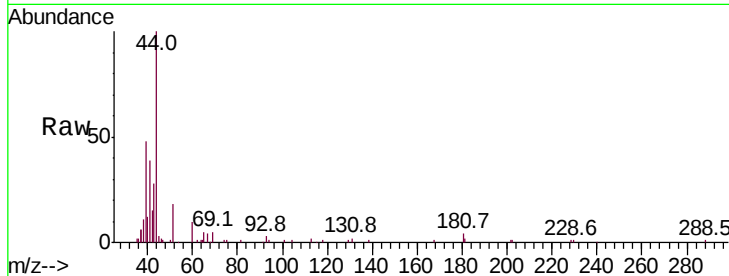
Supervised By :Semsettin Yesilyurt 10/27/2021

Tot Ion:

Ion Ratio

41 100

42 72.



#10

Heptane

Concen: 0.275 ppbv m

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL037898.D

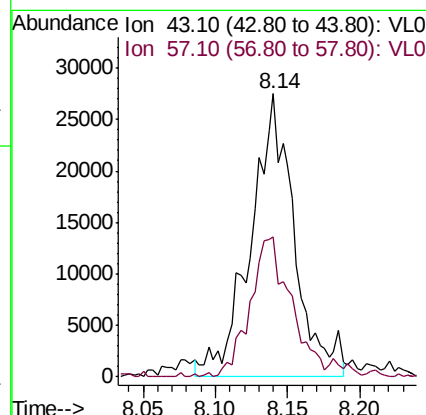
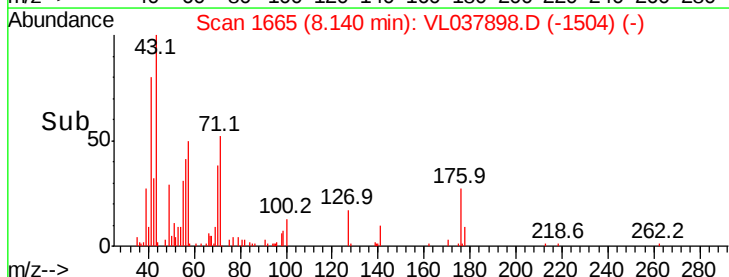
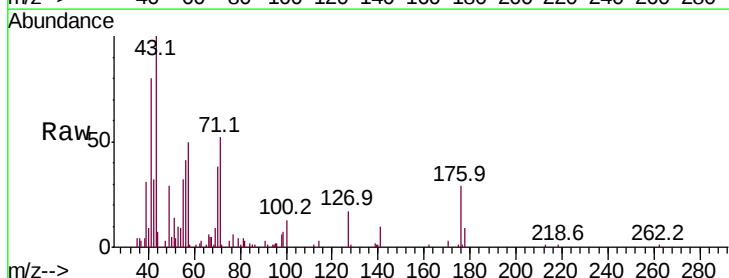
Acq: 25 Oct 2021 17:43

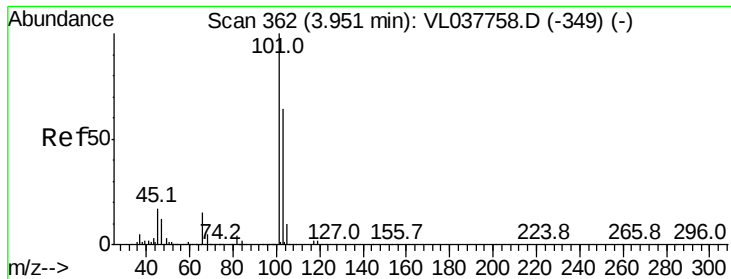
Tgt Ion: 43 Resp: 57690

Ion Ratio Lower Upper

43 100

57 49.6 40.0 60.0



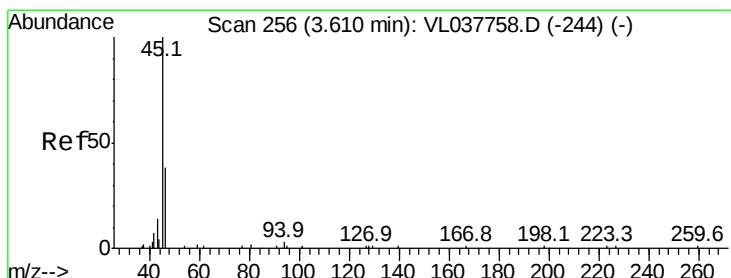
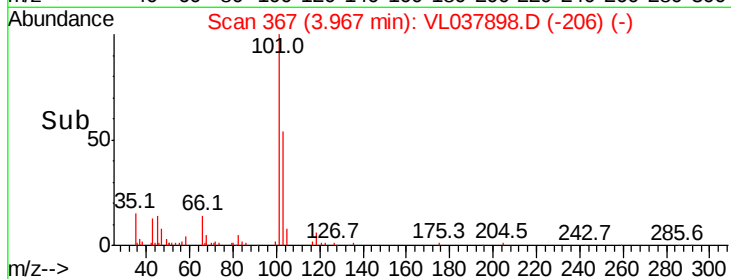
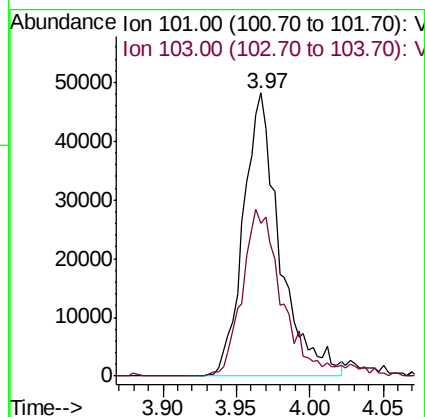
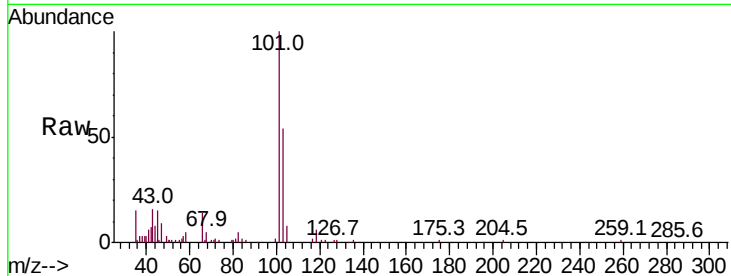


#11
 Trichlorofluoromethane
 Concen: 0.447 ppbv m
 RT: 3.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SVE-EFFLUENT
 Acq: 25 Oct 2021 17:43

Tot Ion:1
 Ion Rati
 101 100
 103 54.

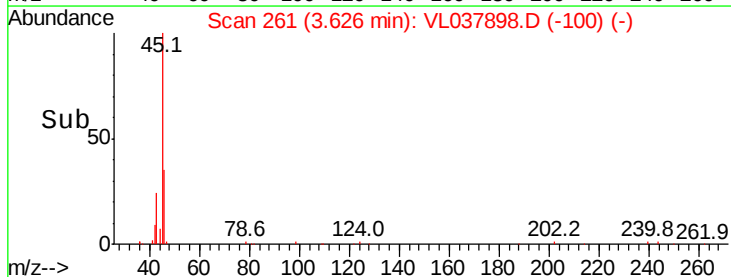
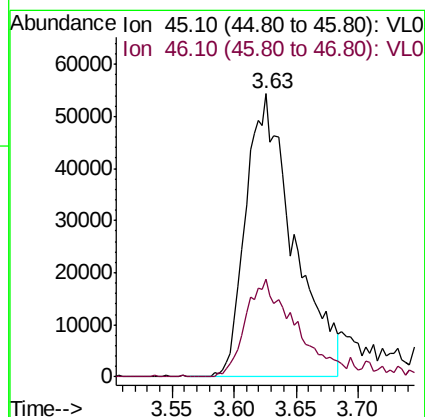
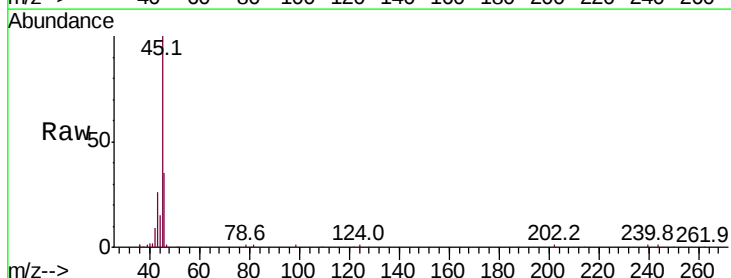
Manual Integrations
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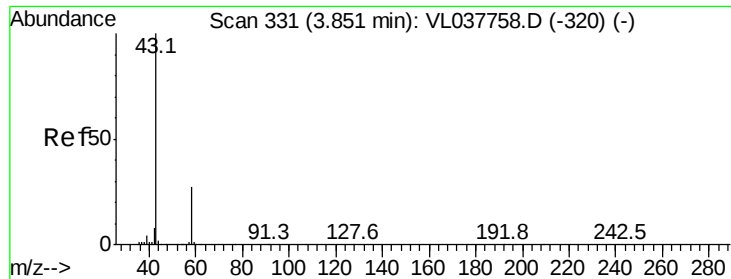
Reviewed By :Mahesh Dadoda 10/27/2021
 Supervised By :Semsettin Yesilyurt 10/27/2021



#13
 Ethanol
 Concen: 19.212 ppbv m
 RT: 3.63 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VL037898.D
 Acq: 25 Oct 2021 17:43

Tgt Ion: 45 Resp: 145385
 Ion Ratio Lower Upper
 45 100
 46 41.5 20.2 81.0





#15

Acetone

Concen: 2.015 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:

Ion Ratio

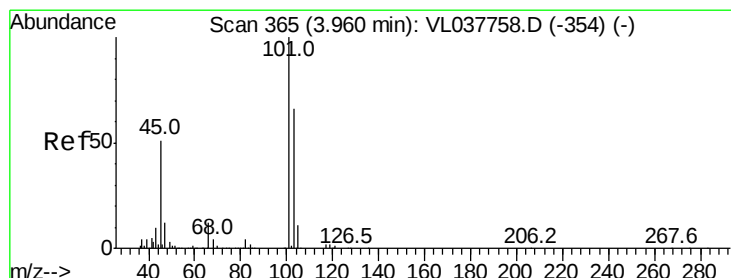
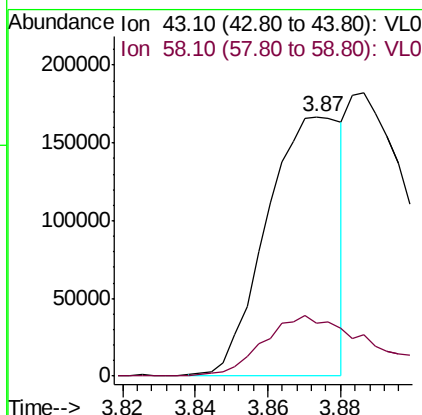
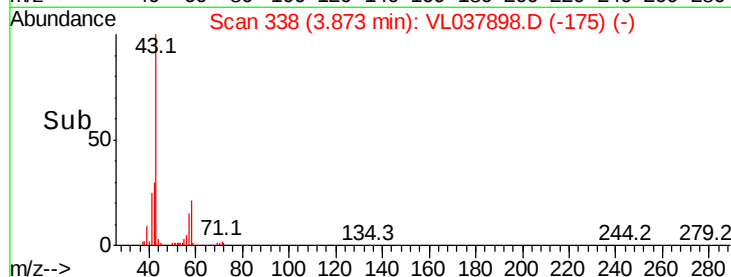
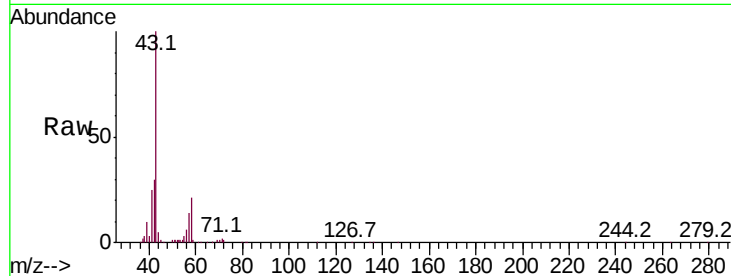
43 100

58 44.

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/27/2021
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#19

Isopropyl Alcohol

Concen: 1.750 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037898.D

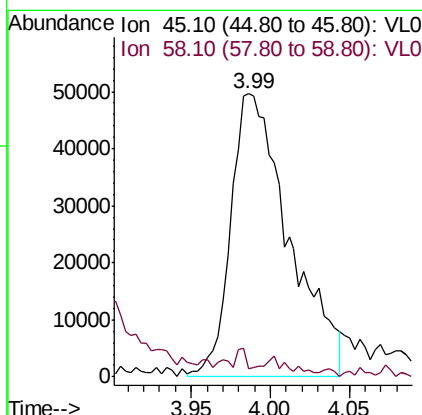
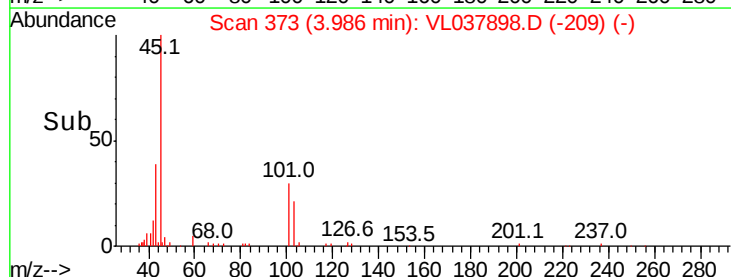
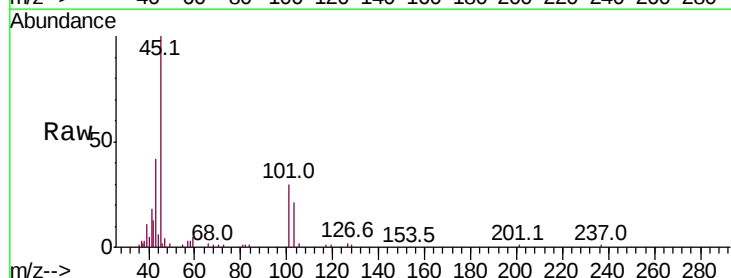
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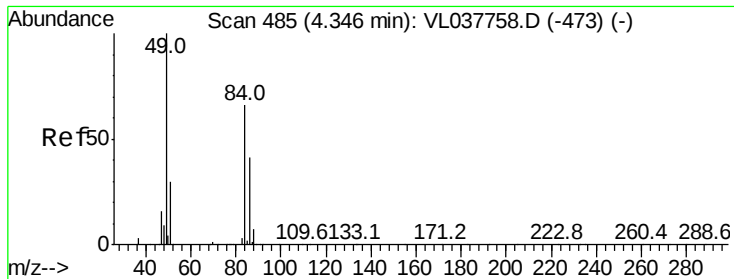
Tgt Ion: 45 Resp: 127911

Ion Ratio Lower Upper

45 100

58 11.2 1.1 1.7#





#20

Methvlene Chloride

Concen: 4.212 ppbv

RT: 4.36

Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-EFFLUENT

Acq: 25 Oct 2021 17:43

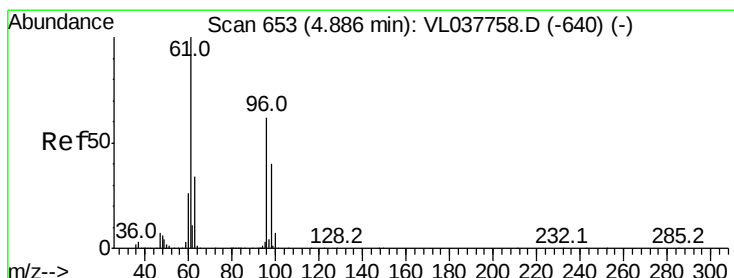
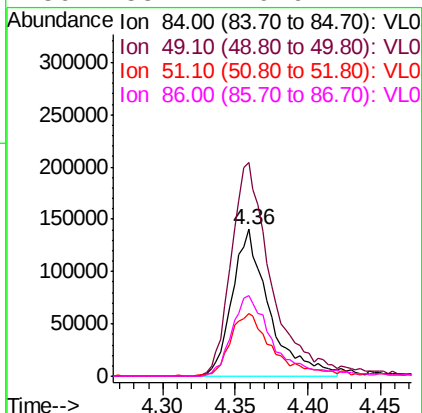
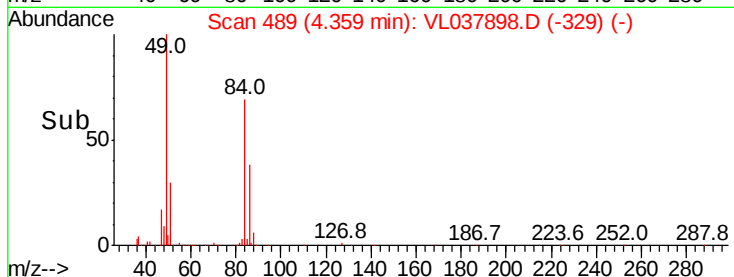
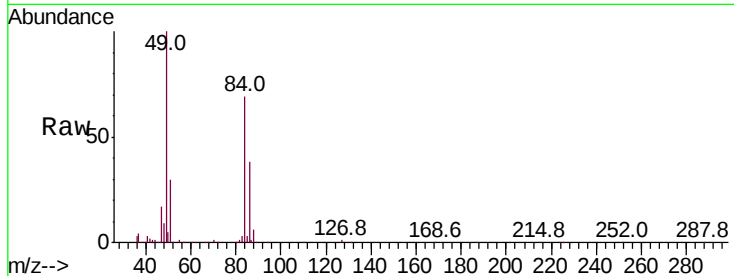
Tot Ion: 84 100

Ion Ratio: 49 145.51 42.86 55.1

49.6 74.4

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/27/2021



#22

trans-1,2-Dichloroethene

Concen: 0.148 ppbv m

RT: 4.90 min Scan# 658

Delta R.T. 0.02 min

Lab File: VL037898.D

Acq: 25 Oct 2021 17:43

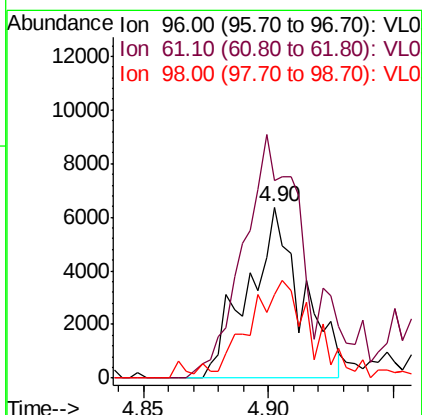
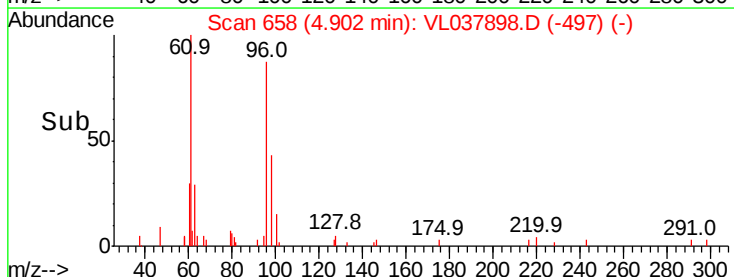
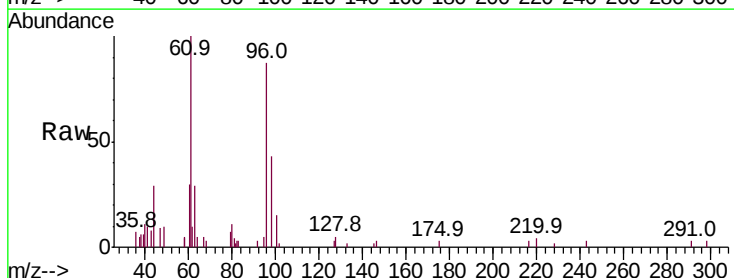
Tgt Ion: 96 Resp: 9567

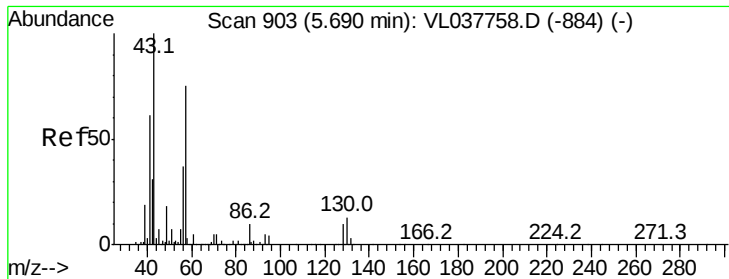
Ion Ratio Lower Upper

96 100

61 115.1 129.0 193.6#

98 49.0 51.7 77.5#





#26

Hexane

Concen: 1.239 ppbv

RT: 5.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:

Ion Ratio

57 100

41 105.

43 89.

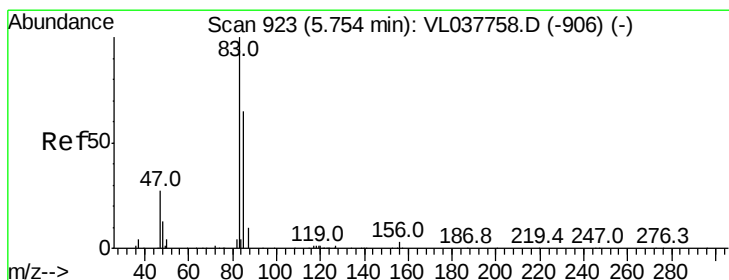
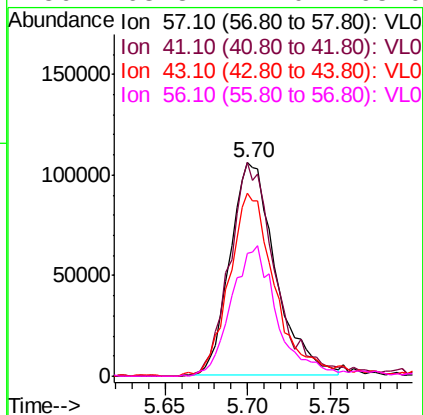
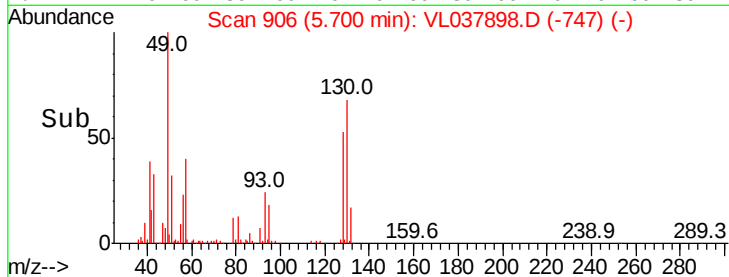
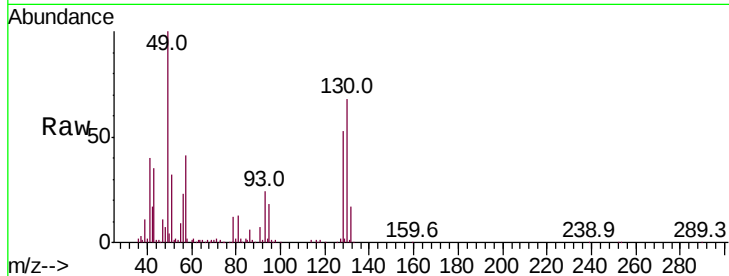
56 63.8 42.0 63.0#

Manual Integrations

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#29

Chloroform

Concen: 0.406 ppbv m

RT: 5.76 min Scan# 926

Delta R.T. 0.01 min

Lab File: VL037898.D

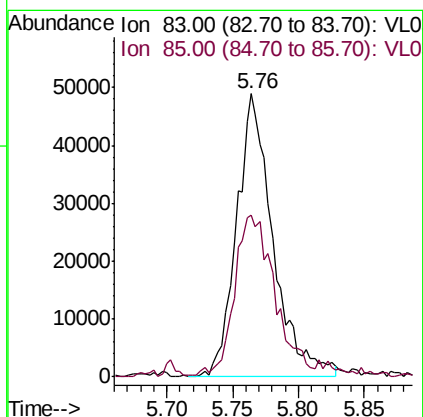
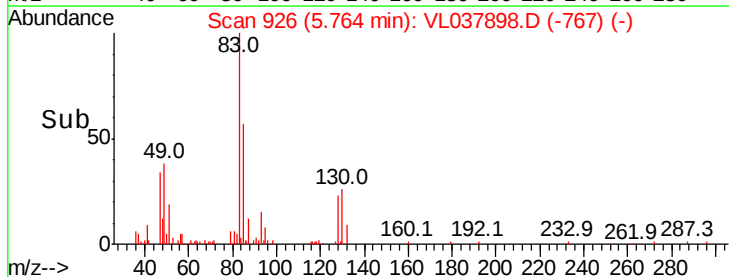
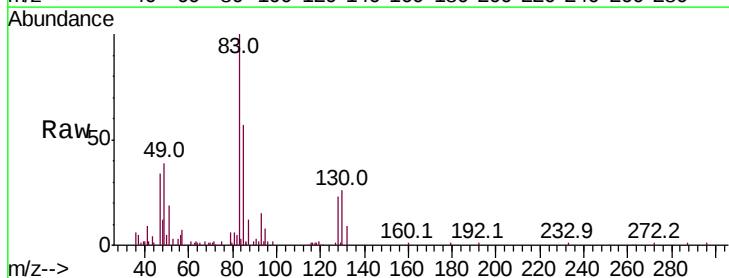
Acq: 25 Oct 2021 17:43

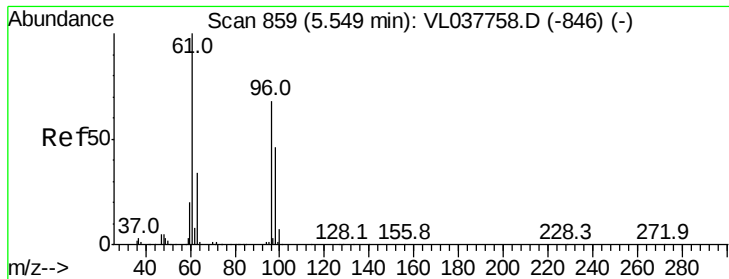
Tgt Ion: 83 Resp: 94207

Ion Ratio Lower Upper

83 100

85 57.2 51.8 77.8



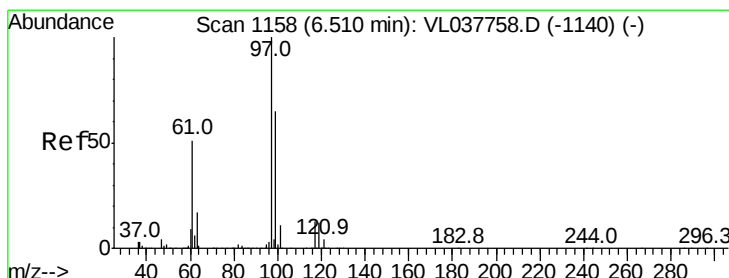
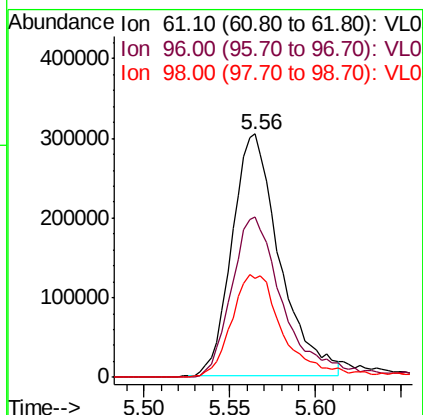
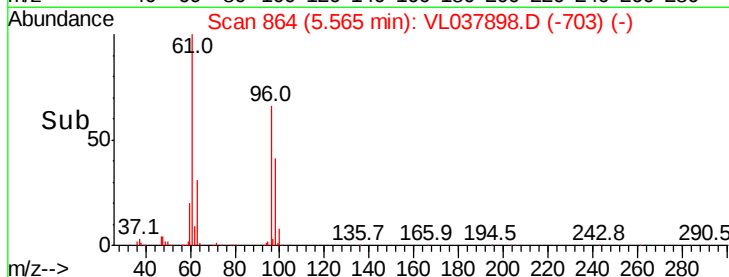
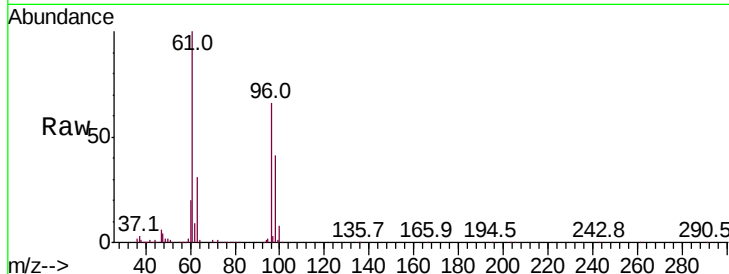


#31
 cis-1,2-Dichloroethene
 Concen: 3.984 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Oct 2021 17:43

Tot Ion:
 Ion Ratio
 61 100
 96 66.
 98 40.

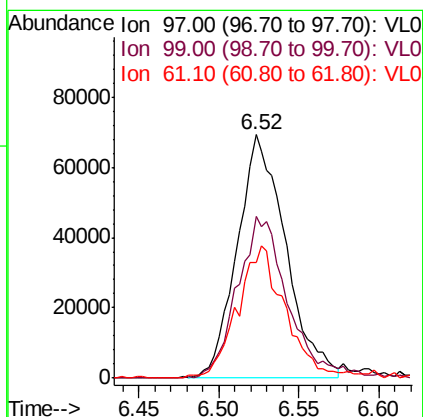
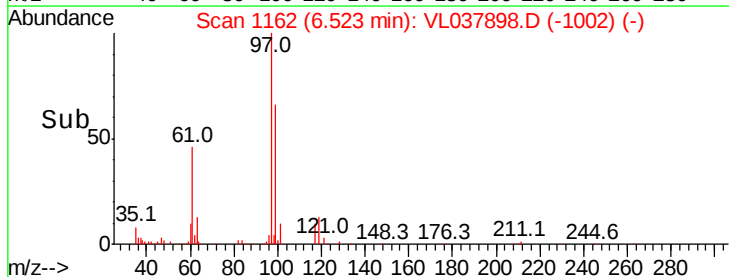
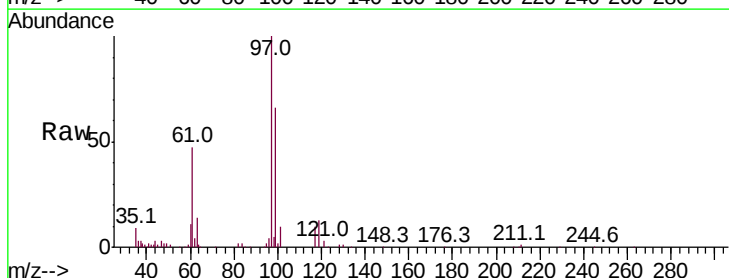
Manual Integrations
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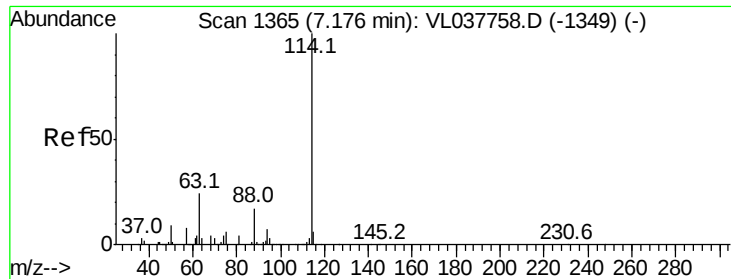
Reviewed By :Mahesh Dadoda 10/27/2021
 Supervised By :Semsettin Yesilyurt 10/27/2021



#32
 1,1,1-Trichloroethane
 Concen: 0.654 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL037898.D
 Acq: 25 Oct 2021 17:43

Tgt Ion: 97 Resp: 143778
 Ion Ratio Lower Upper
 97 100
 99 69.7 52.6 78.8
 61 54.9 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 17:43

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/27/2021

Supervised By :Semsettin Yesilyurt 10/27/2021

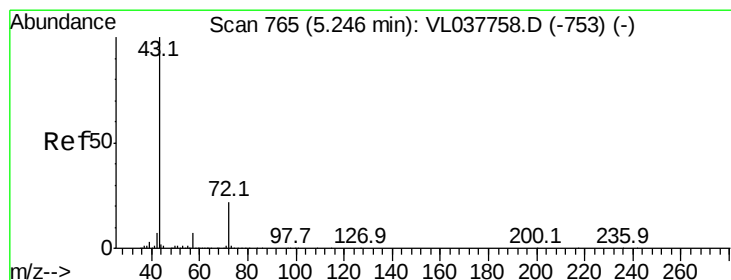
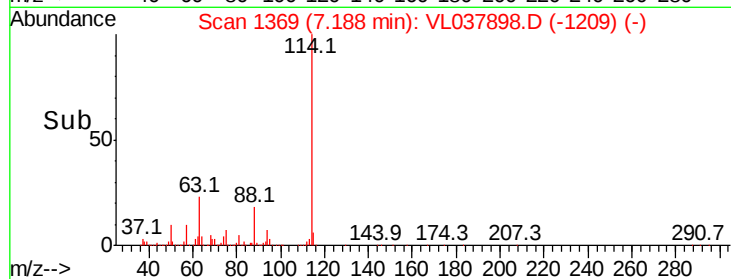
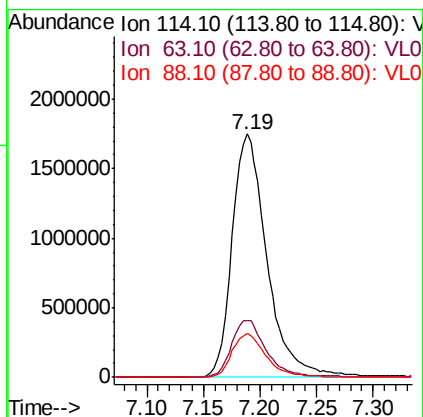
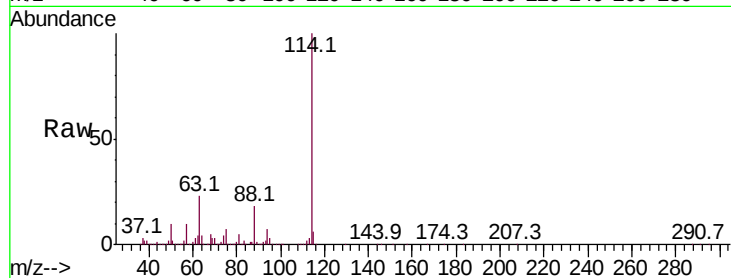
Tot Ion:1

Ion Rati

114 100

63 24.

88 18.



#34

2-Butanone

Concen: 0.331 ppbv m

RT: 5.27 min Scan# 773

Delta R.T. 0.03 min

Lab File: VL037898.D

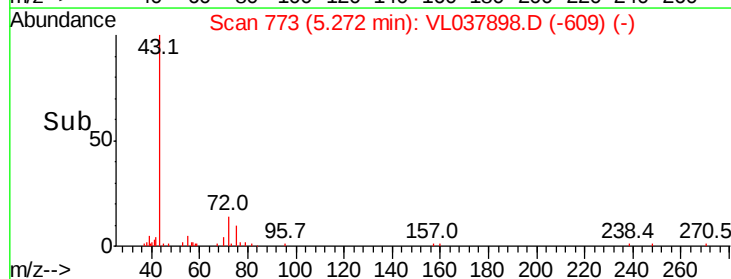
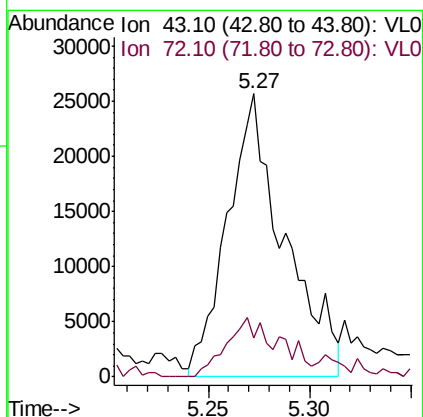
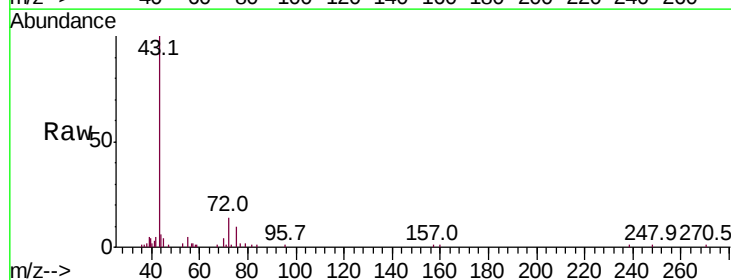
Acq: 25 Oct 2021 17:43

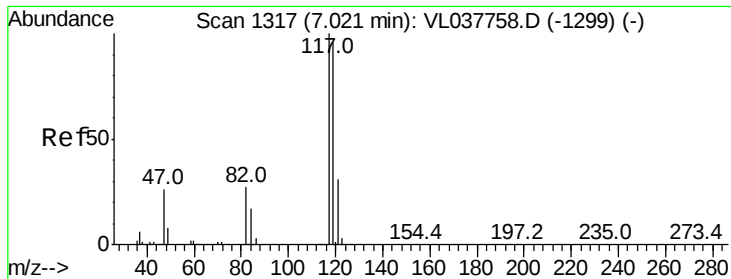
Tgt Ion: 43 Resp: 50025

Ion Ratio Lower Upper

43 100

72 24.5 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.042 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

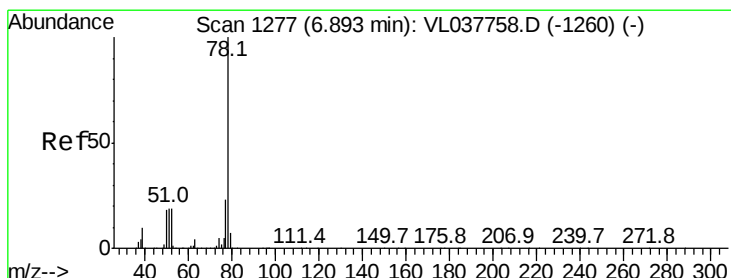
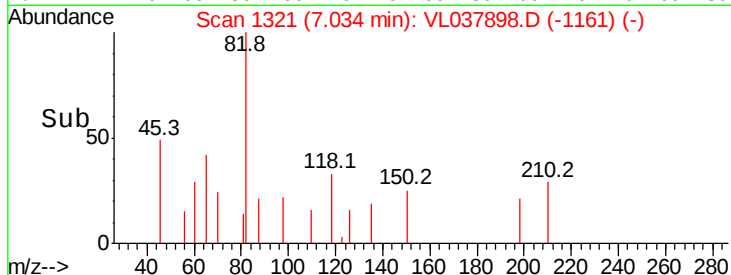
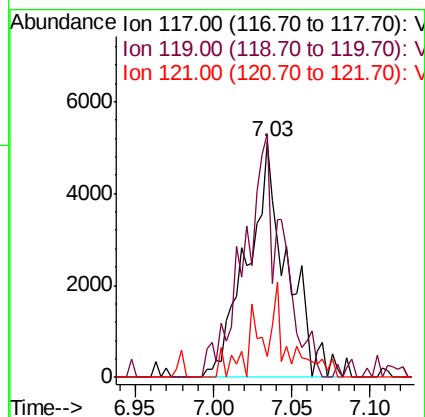
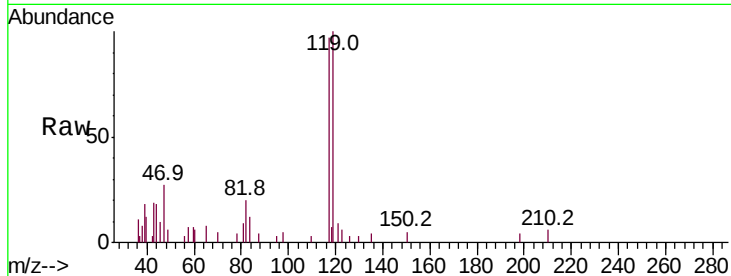
Lab File: ClientSampleId:

Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:1
Ion Rati
117 100
119 103.
121 8.

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



#36

Benzene

Concen: 0.208 ppbv m

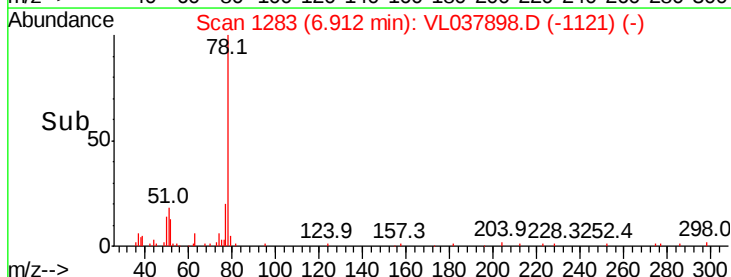
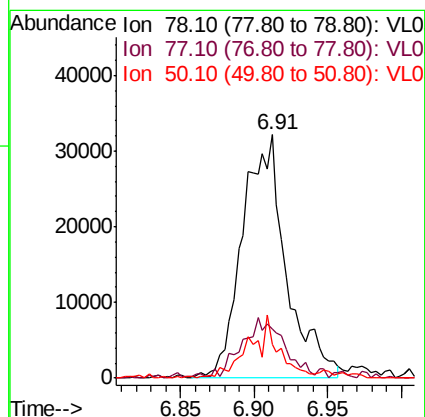
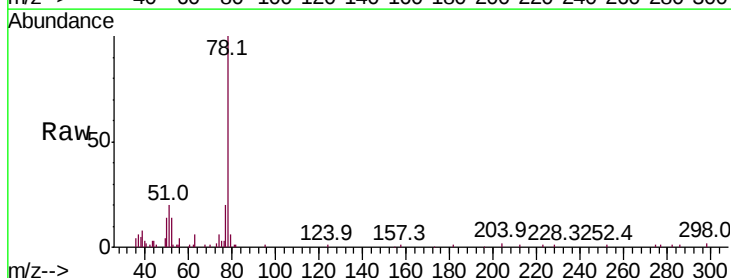
RT: 6.91 min Scan# 1283

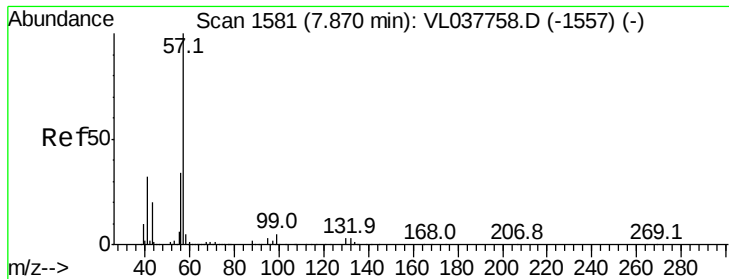
Delta R.T. 0.02 min

Lab File: VL037898.D

Acq: 25 Oct 2021 17:43

Tgt Ion: 78 Resp: 66474
Ion Ratio Lower Upper
78 100
77 20.0 18.8 28.2
50 13.7 14.7 22.1#



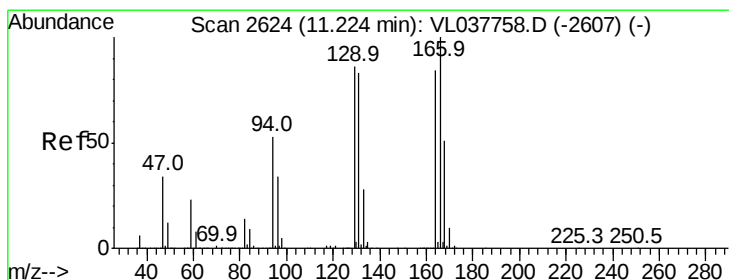
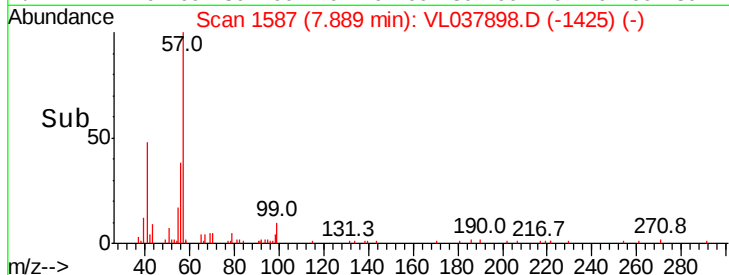
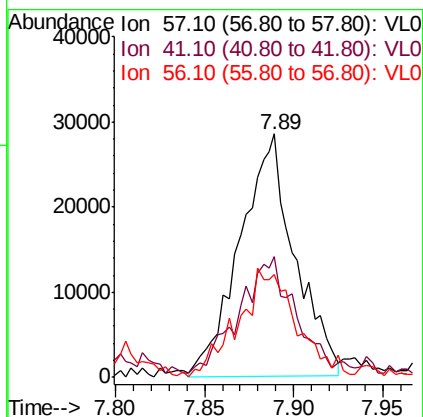
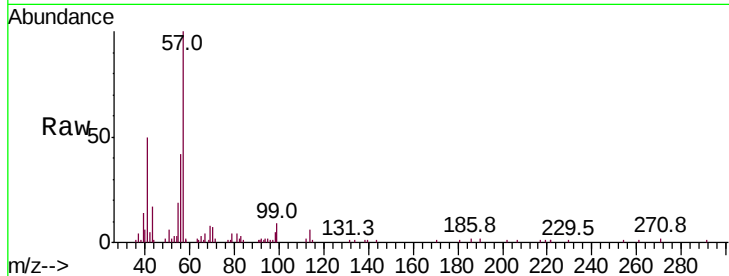


#44
2,2,4-Trimethylpentane
Concen: 0.114 ppbv
RT: 7.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:
Ion Ratio
57 100
41 51.
56 50.

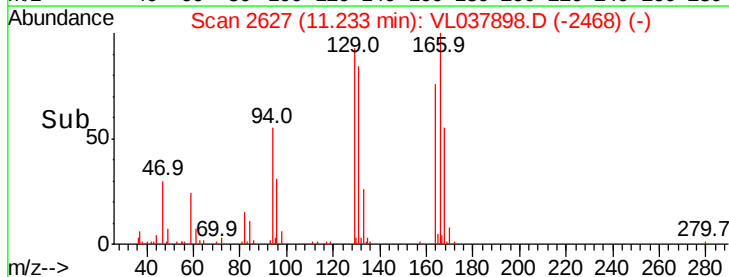
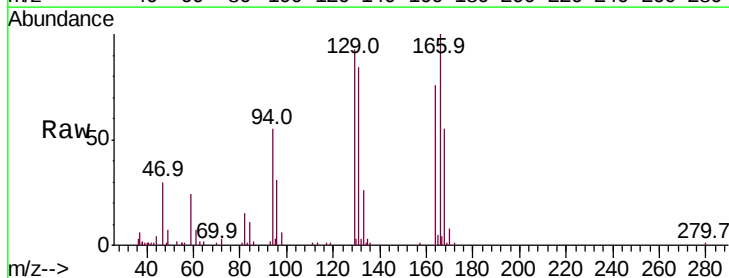
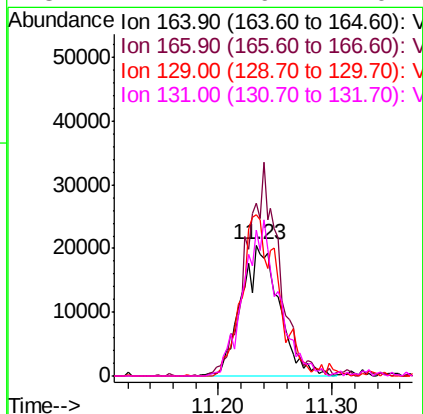
Manual Integrations
APPROVED

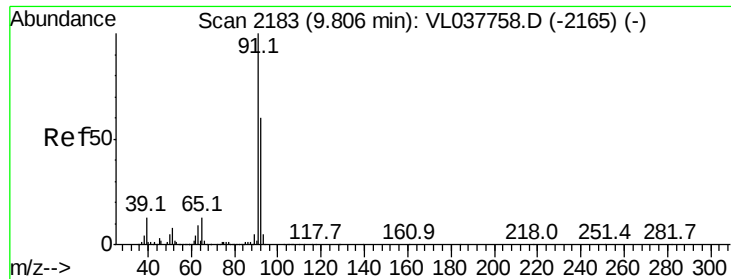
Reviewed By :Mahesh Dadoda 10/27/2021
Supervised By :Semsettin Yesilyurt 10/27/2021



#52
Tetrachloroethene
Concen: 0.383 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. 0.01 min
Lab File: VL037898.D
Acq: 25 Oct 2021 17:43

Tgt Ion:164 Resp: 47613
Ion Ratio Lower Upper
164 100
166 132.0 95.4 143.2
129 123.1 82.2 123.4
131 111.2 79.4 119.2





#53

Toluene

Concen: 2.295 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:

Ion Ratio

91 100

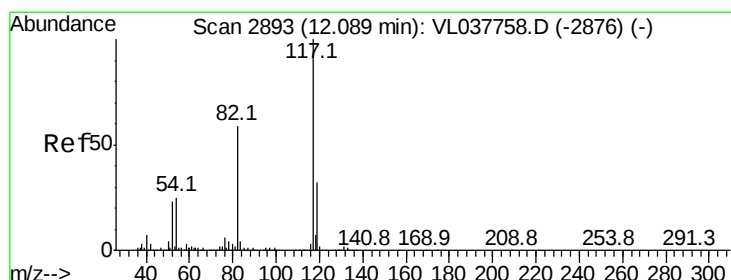
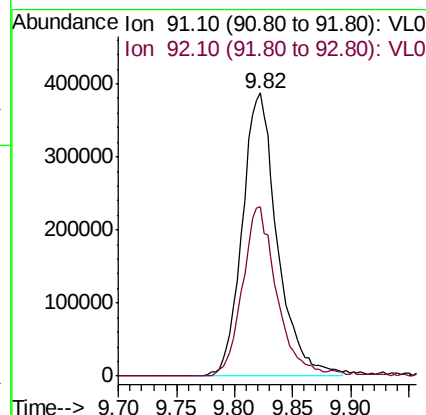
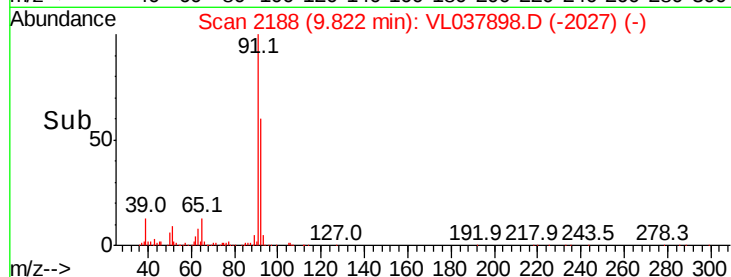
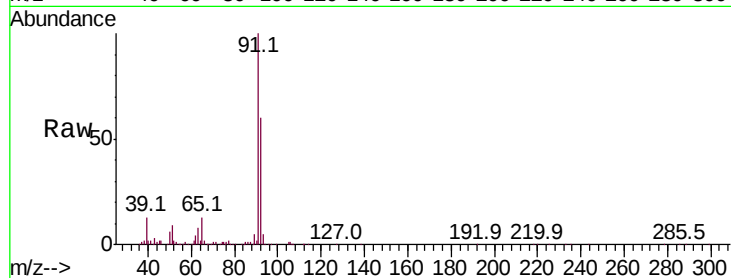
92 60.

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/27/2021

Supervised By :Semsettin Yesilyurt 10/27/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.01 min

Lab File: VL037898.D

Acq: 25 Oct 2021 17:43

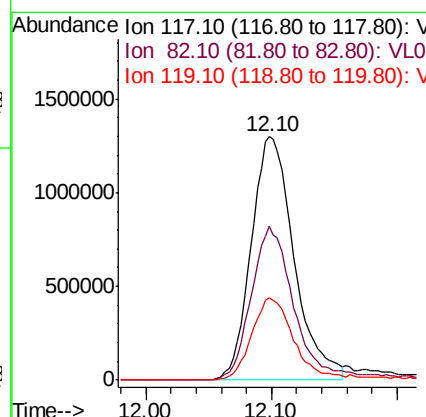
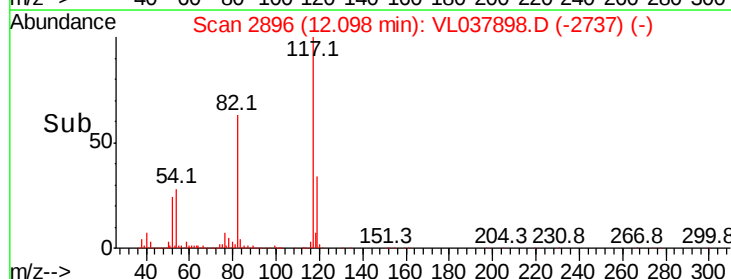
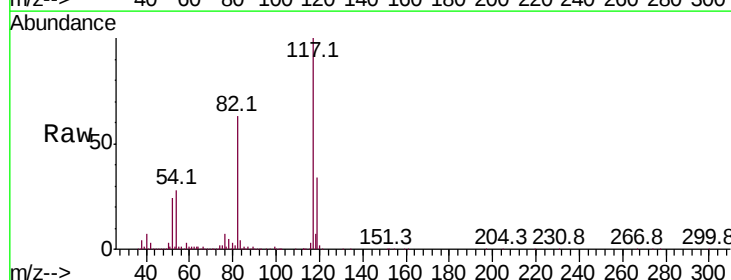
Tgt Ion:117 Resp: 3089745

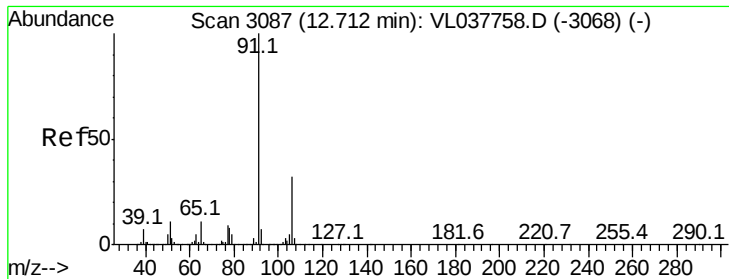
Ion Ratio Lower Upper

117 100

82 66.3 52.2 78.2

119 35.4 26.0 39.0



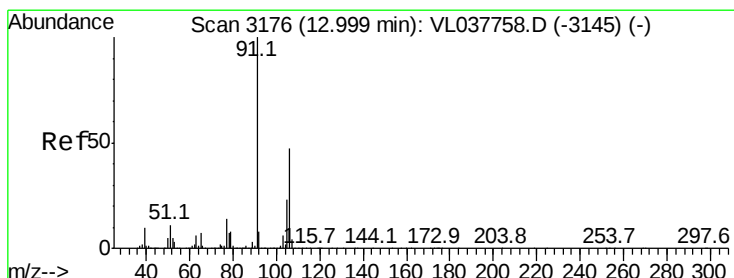
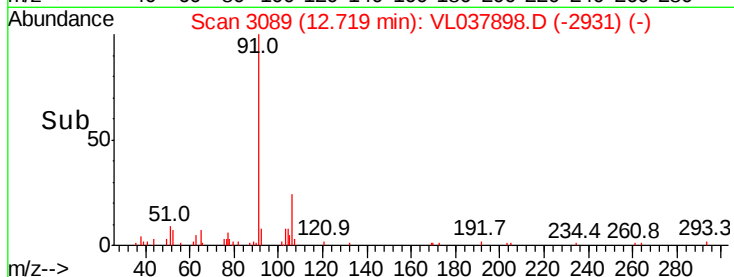
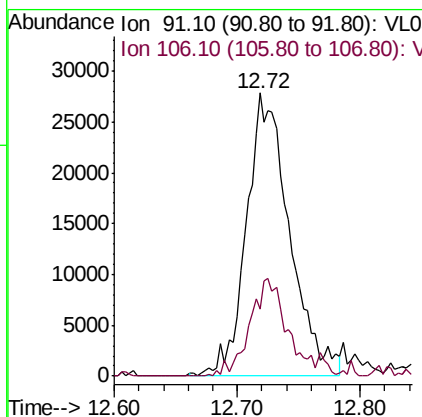
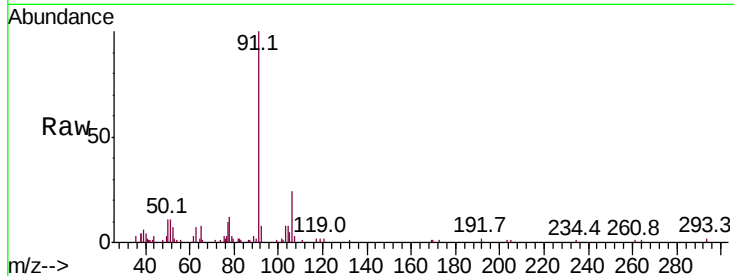


#58
Ethyl Benzene
Concen: 0.163 ppbv m
RT: 12.72
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
SVE-EFFLUENT
Acq: 25 Oct 2021 17:43

Tot Ion:
Ion Ratio
91 100
106 23.

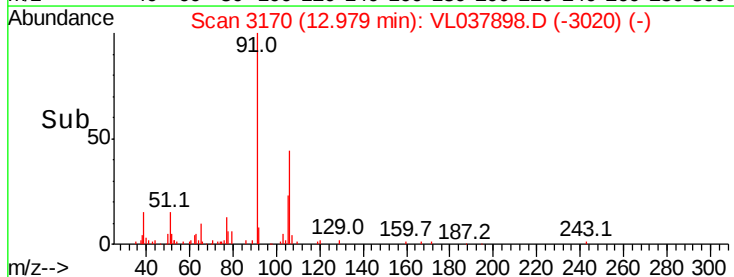
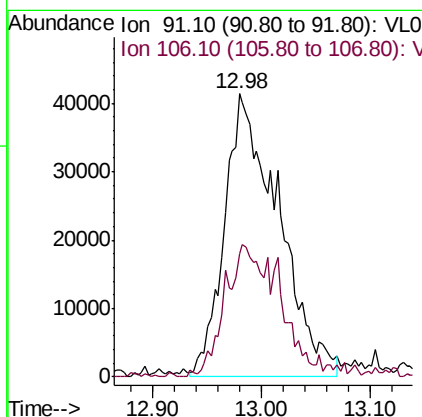
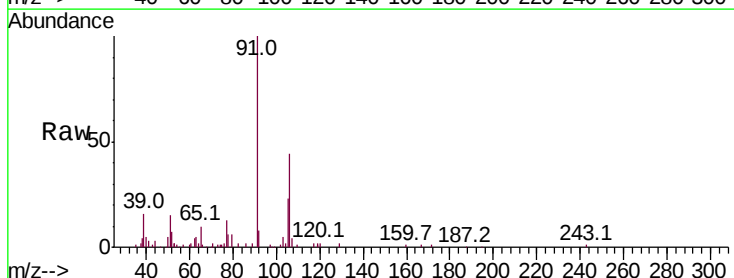
Manual Integrations
APPROVED

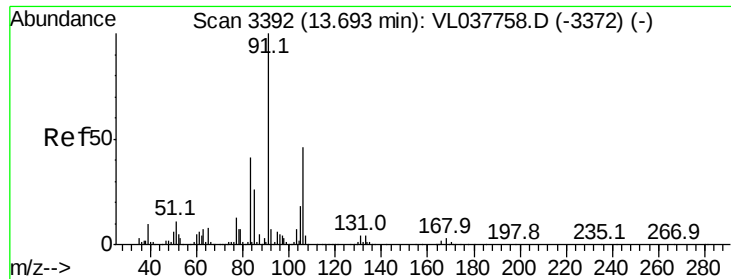
Reviewed By :Mahesh Dadoda 10/27/2021
Supervised By :Semsettin Yesilyurt 10/27/2021



#59
m/p-Xylene
Concen: 0.403 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL037898.D
Acq: 25 Oct 2021 17:43

Tgt Ion: 91 Resp: 143472
Ion Ratio Lower Upper
91 100
106 0.0 36.7 55.1#



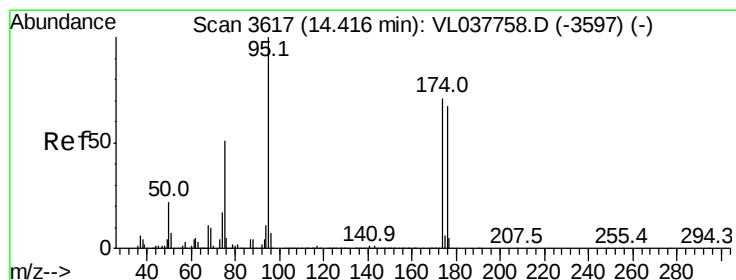
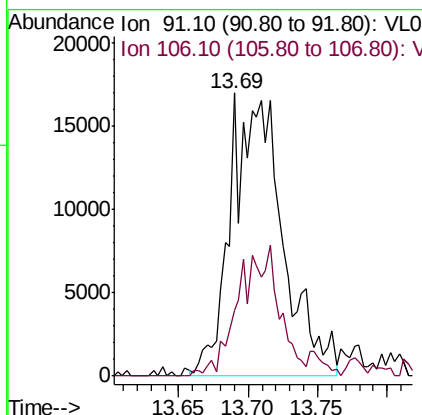
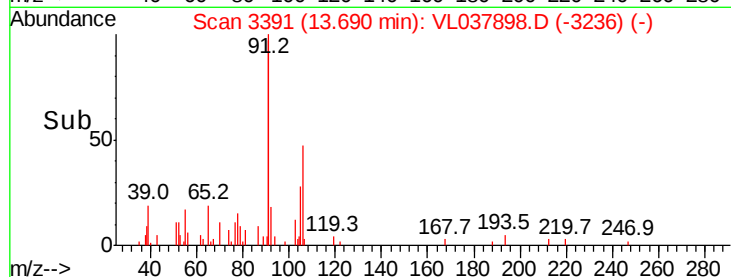
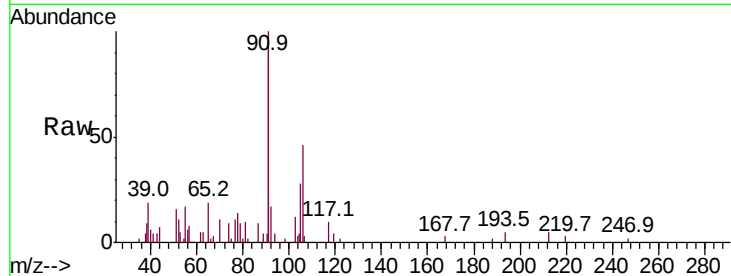


#60
o-Xylene
Concen: 0.129 ppbv m
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 25 Oct 2021 17:43 SVE-EFFLUENT

Tot Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.515 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL037898.D
Acq: 25 Oct 2021 17:43

Tgt Ion: 95 Resp: 2272006
Ion Ratio Lower Upper
95 100
174 72.9 57.8 86.6
175 5.5 4.7 7.1

