

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
 Data File : VL037719.D
 Acq On : 29 Sep 2021 1:40
 Operator : SY/AP
 Sample : M3948-06DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/29/2021
 Supervised By : Amit Patel 10/01/2021

Quant Time: Sep 29 21:14:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Supervised By
 :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1322234	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3950336	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3346587	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2414485	9.98	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	61109	0.695	ppbv	84
13) Ethanol	3.64	45	20136	2.340	ppbv	99
15) Acetone	3.86	43	2163274	15.747	ppbv	99
34) 2-Butanone	5.26	43	157787	0.983	ppbv #	83
38) Trichloroethene	7.83	130	104742m	0.761	ppbv	
52) Tetrachloroethene	11.23	164	562617	4.449	ppbv	98
53) Toluene	9.81	91	36549	0.100	ppbv	89
59) m/p-Xylene	12.97	91	73057m	0.189	ppbv	
60) o-Xylene	13.69	91	45382m	0.123	ppbv	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092821\
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ALS Vial : 5 Sample Multiplier: 1

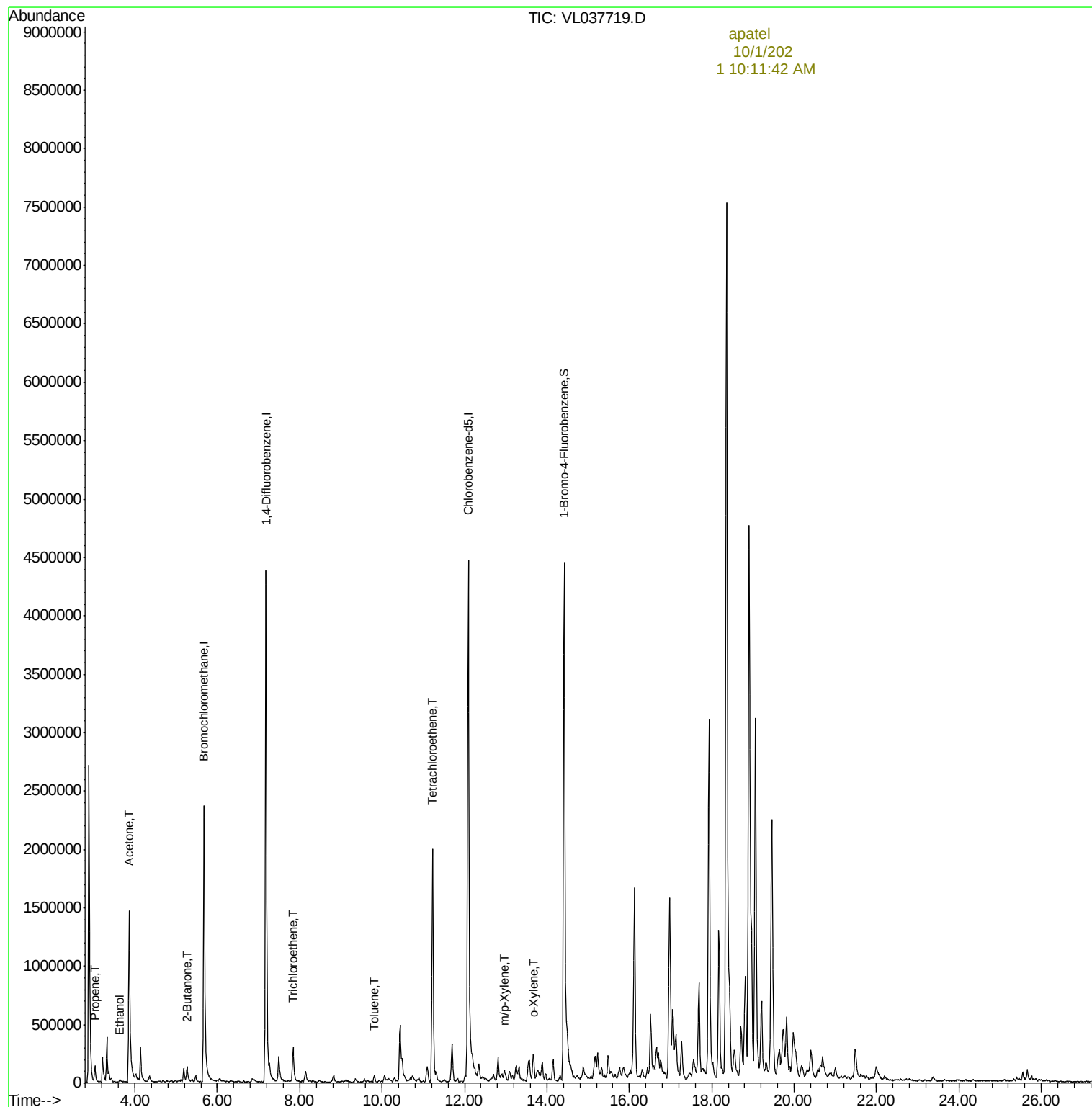
Instrument :
MSVOA_L
ClientSampleId :
SV6DL

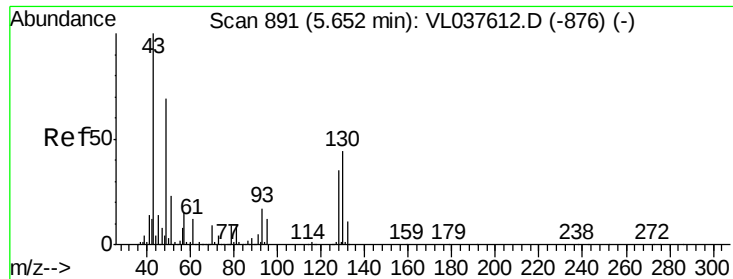
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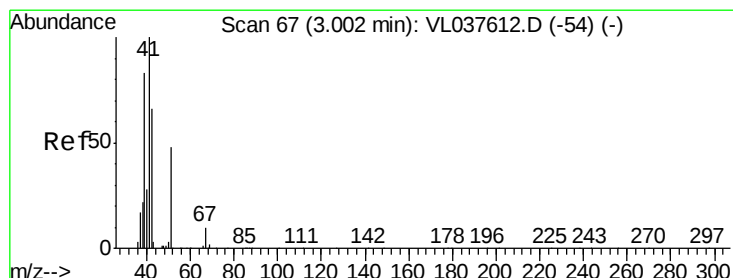
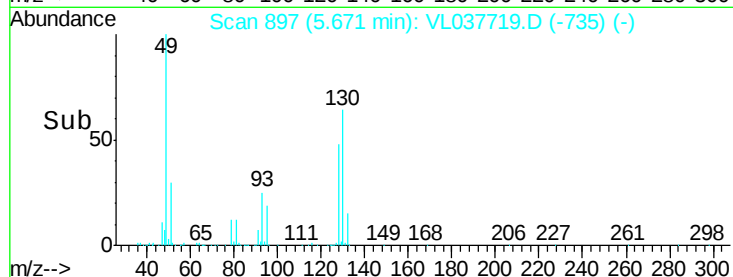
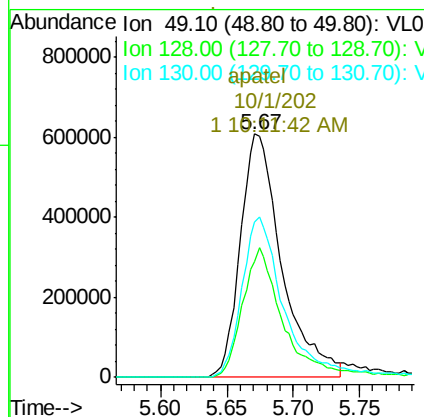
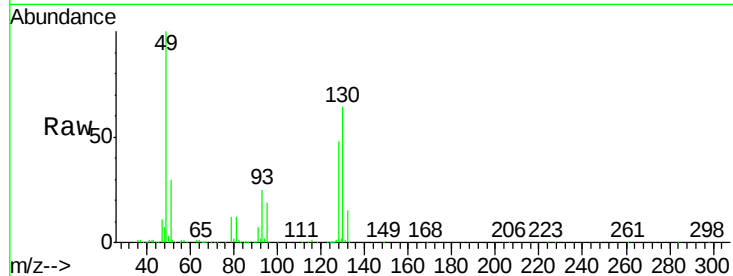
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 29 Sep 2021 1:40

Tgt Ion:
 Ion Ratio
 49 100
 128 54.
 130 69.

Manual Integrations
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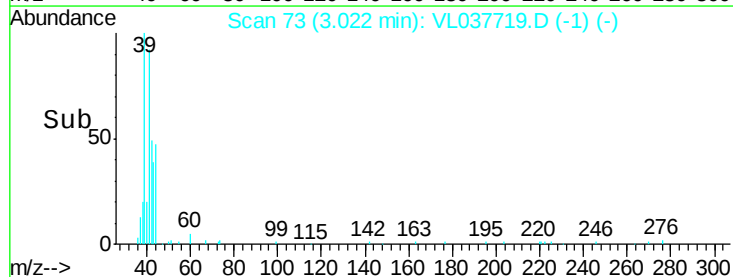
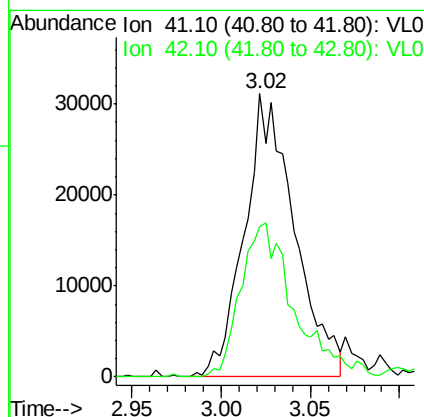
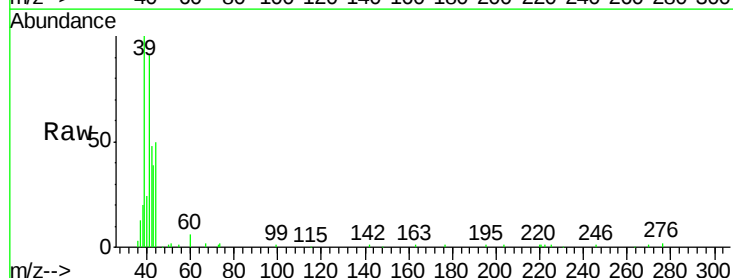
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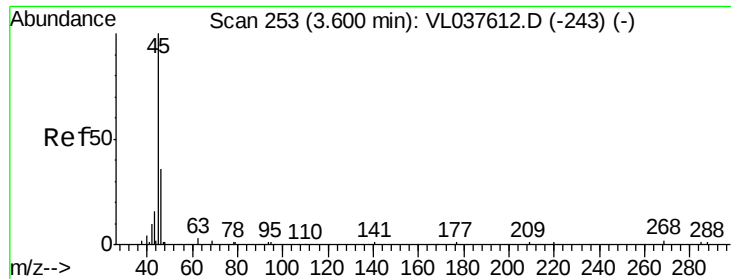
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#9
 Propene
 Concen: 0.695 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.02 min
 Lab File: VL037719.D
 Acq: 29 Sep 2021 1:40

Tgt Ion: 41 Resp: 61109
 Ion Ratio Lower Upper
 41 100
 42 58.0 57.2 85.8





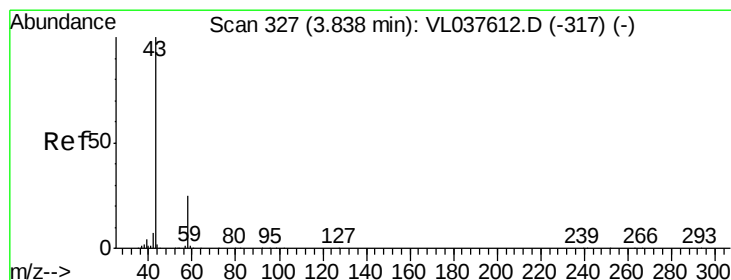
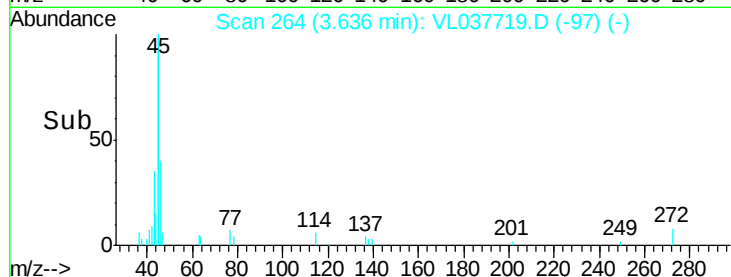
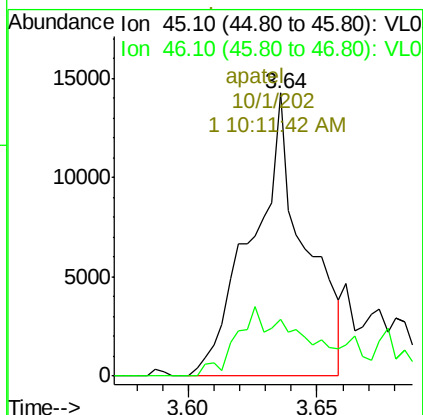
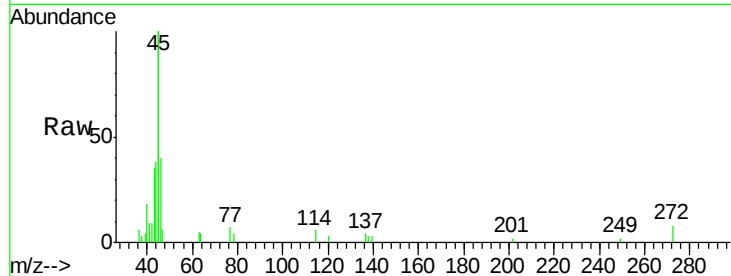
#13
Ethanol
Concen: 2.340 ppbv
RT: 3.64
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV6DL
Acq: 29 Sep 2021 1:40

Tgt Ion:
Ion Ratio
45 100
46 43.

Manual Integrations
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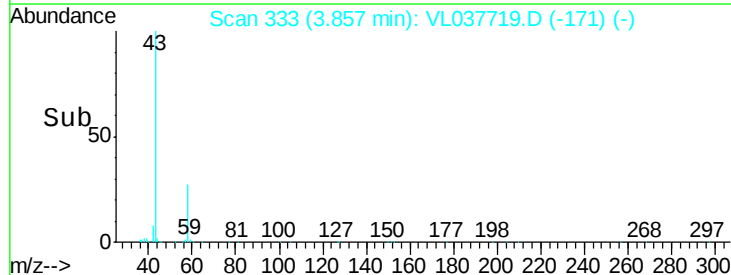
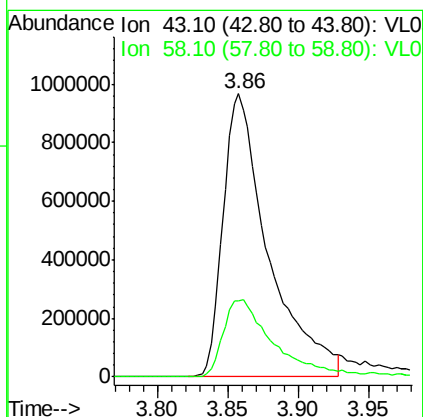
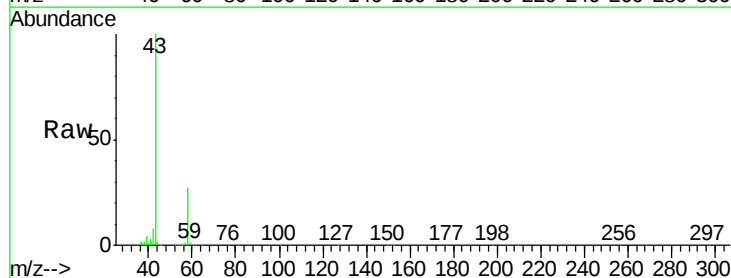
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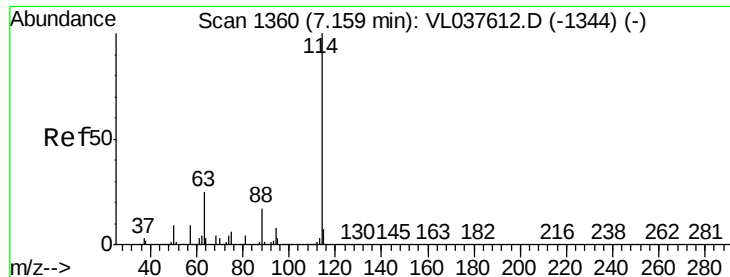
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#15
Acetone
Concen: 15.747 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037719.D
Acq: 29 Sep 2021 1:40

Tgt Ion: 43 Resp: 2163274
Ion Ratio Lower Upper
43 100
58 31.9 24.9 37.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId : SV6DL

Acq: 29 Sep 2021 1:40

Tgt Ion: 1

Ion Ratio

114 100

63 24.

88 18.

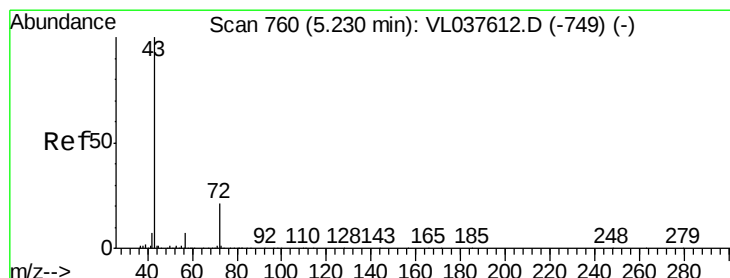
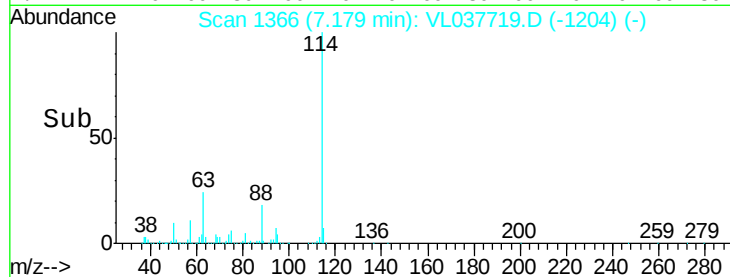
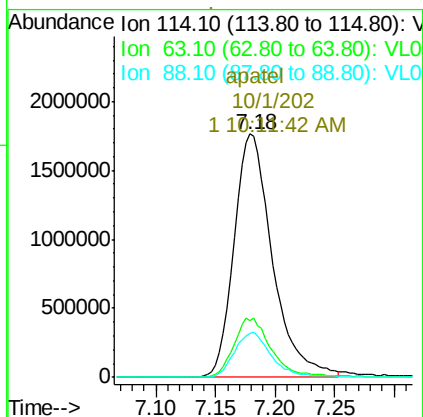
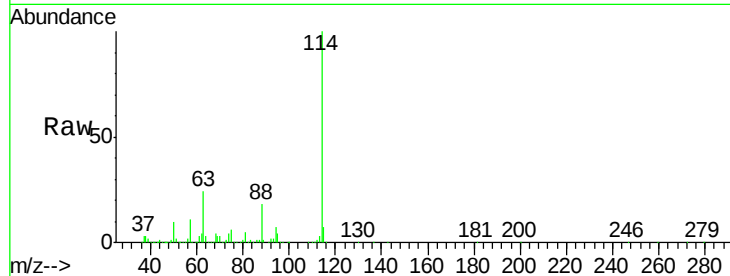
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#34

2-Butanone

Concen: 0.983 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.03 min

Lab File: VL037719.D

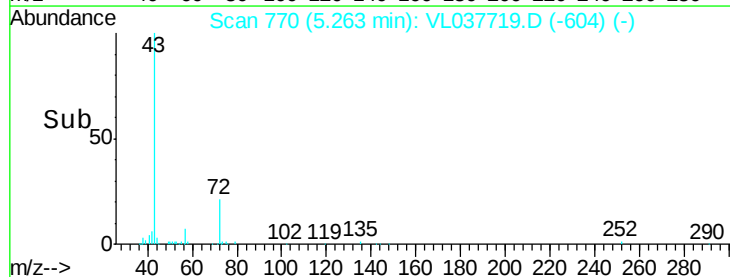
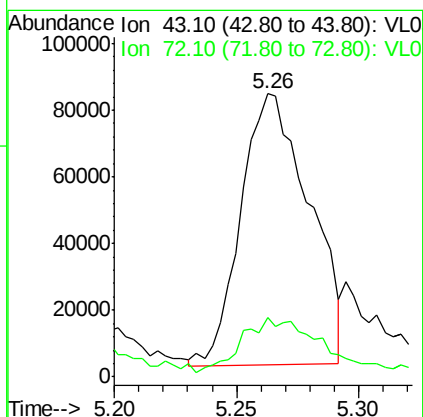
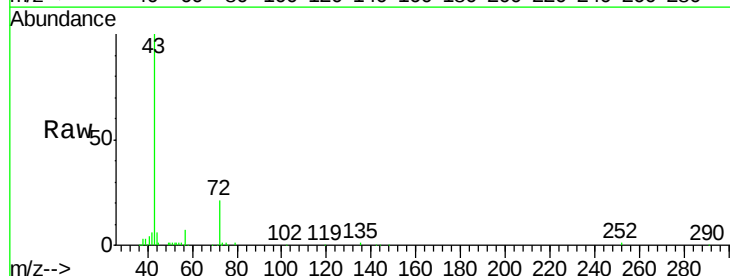
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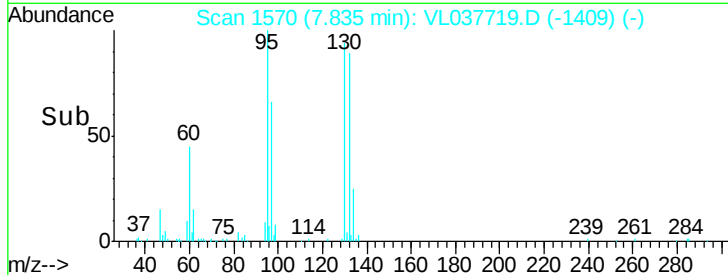
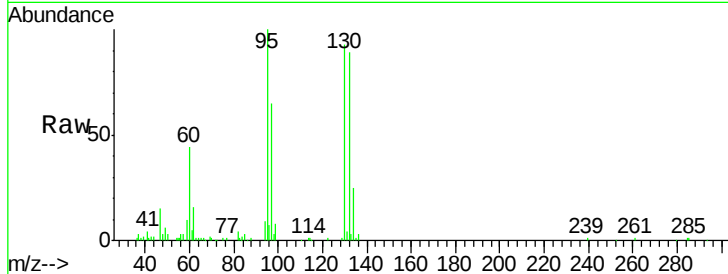
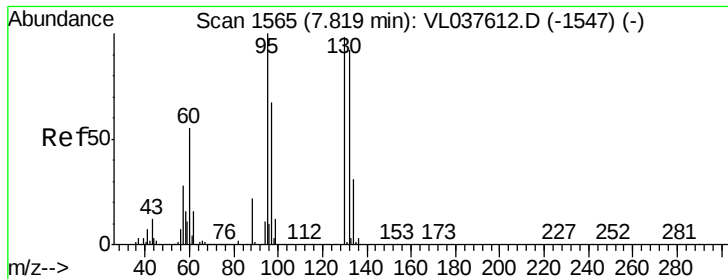
Tgt Ion: 43 Resp: 157787

Ion Ratio Lower Upper

43 100

72 31.0 18.4 27.6#



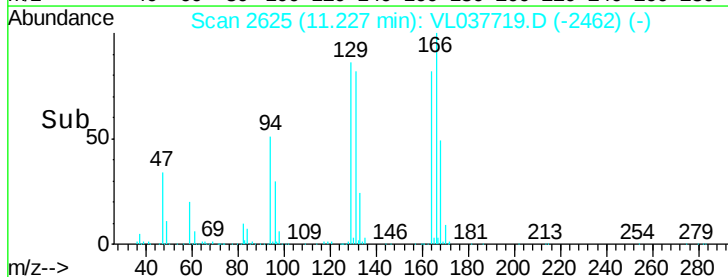
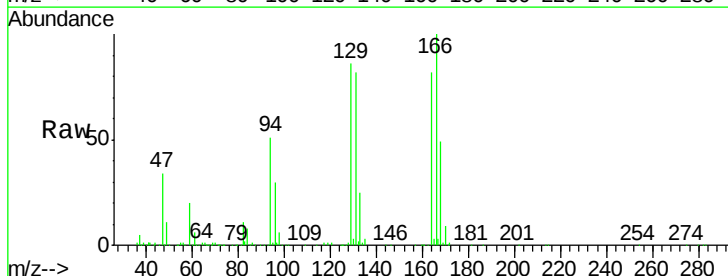
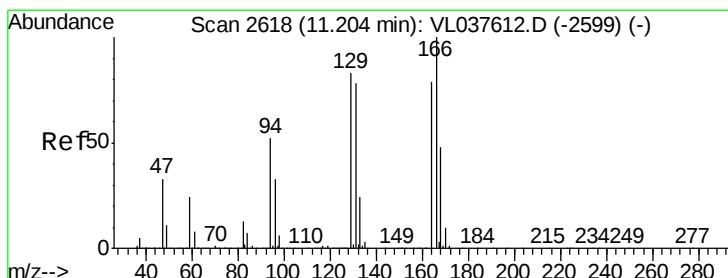
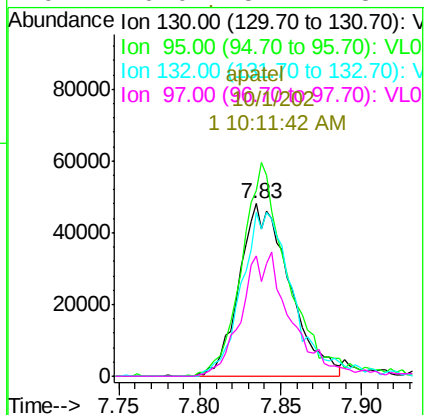


#38
 Trichloroethene
 Concen: 0.761 ppbv m
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Sep 2021 1:40

Tgt Ion:1
 Ion Ratio
 130 100
 95 107.
 132 95.
 97 70.0 : 54.7 82.1

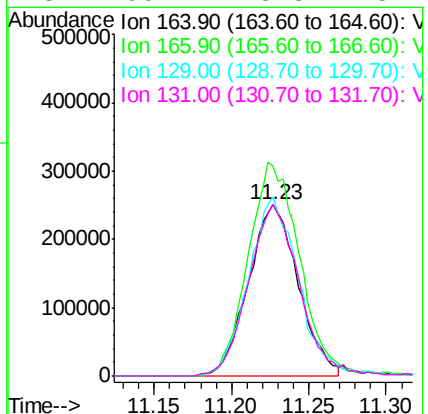
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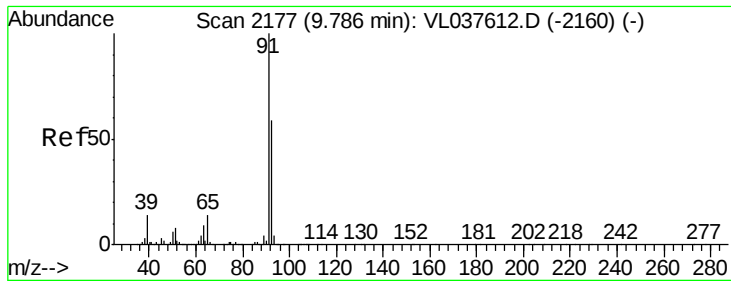
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 Supervised By :Amit Patel 10/01/2021



#52
 Tetrachloroethene
 Concen: 4.449 ppbv
 RT: 11.23 min Scan# 2625
 Delta R.T. 0.02 min
 Lab File: VL037719.D
 Acq: 29 Sep 2021 1:40

Tgt Ion:164 Resp: 562617
 Ion Ratio Lower Upper
 164 100
 166 122.2 101.2 151.8
 129 105.0 84.0 126.0
 131 99.7 78.8 118.2





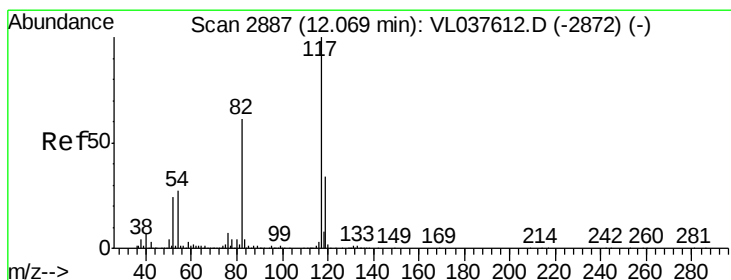
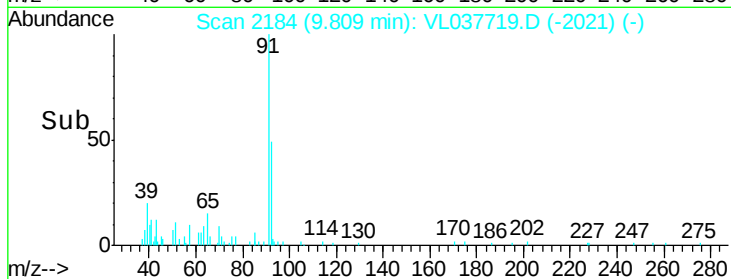
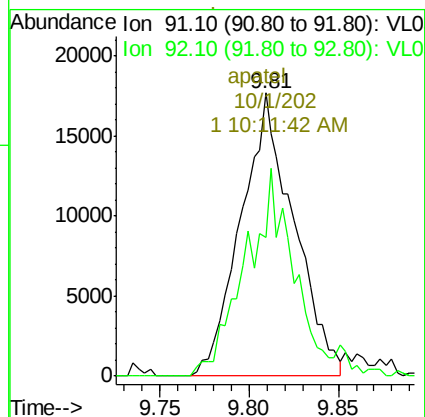
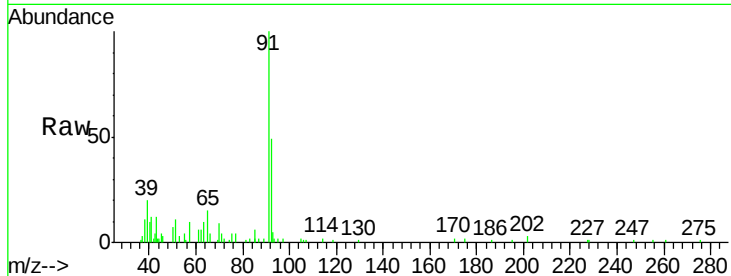
#53
Toluene
Concen: 0.100 ppbv
RT: 9.81
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Sep 2021 1:40

Tgt Ion:
Ion Ratio
91 100
92 69.

Manual Integrations
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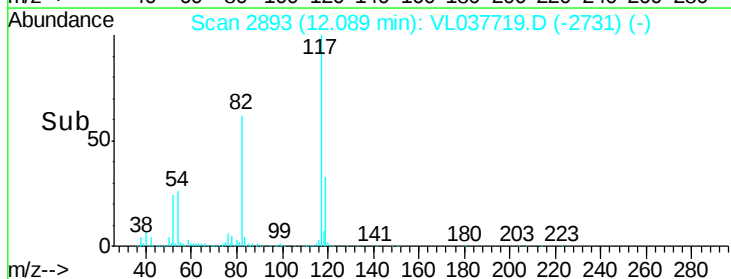
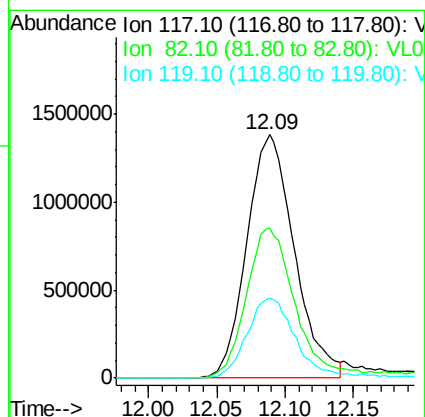
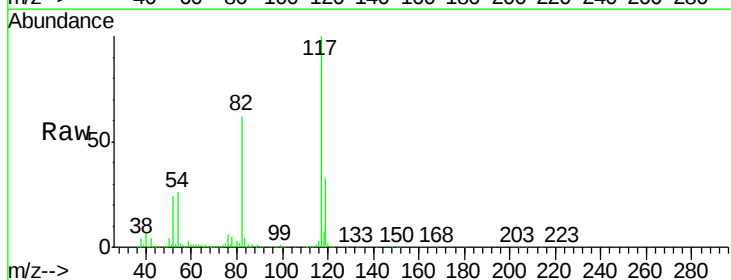
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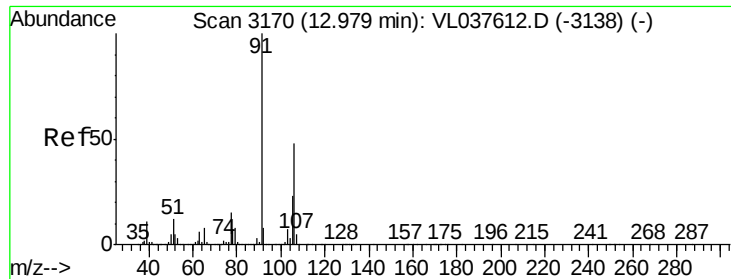
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T.: 0.02 min
Lab File: VL037719.D
Acq: 29 Sep 2021 1:40

Tgt Ion:117 Resp: 3346587
Ion Ratio Lower Upper
117 100
82 67.2 50.6 75.8
119 35.0 26.2 39.2





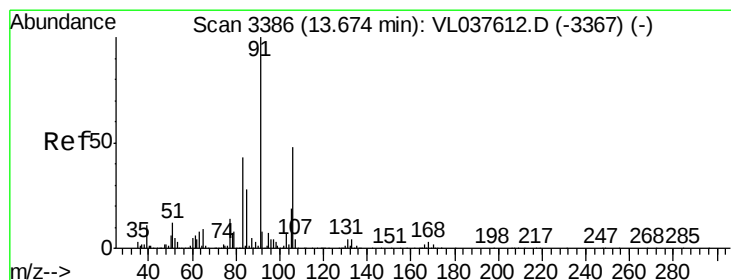
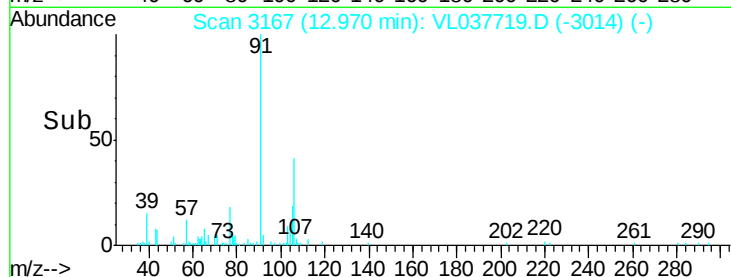
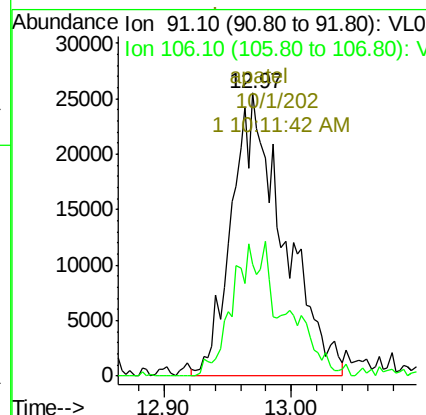
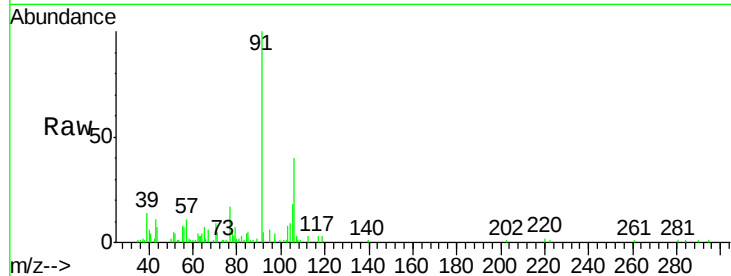
#59
m/p-Xylene
Concen: 0.189 ppbv m
RT: 12.97 min
Delta R.T. MSVOA_L
Lab File: ClientSampleID :
SV6DL
Acq: 29 Sep 2021 1:40

Tgt Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
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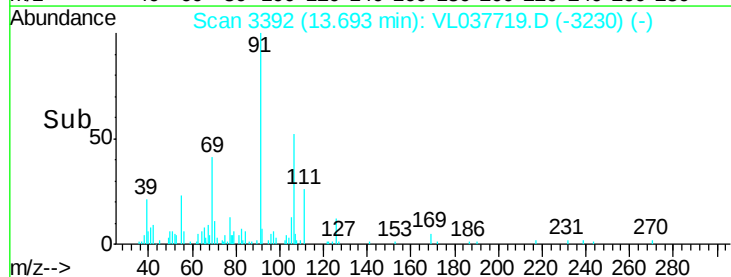
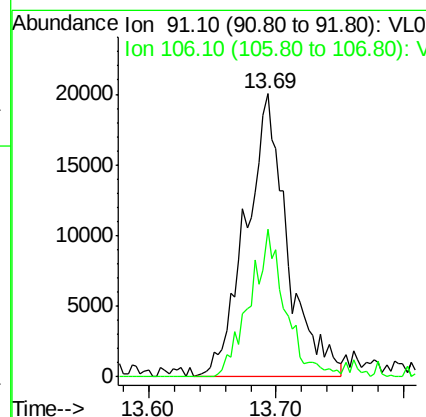
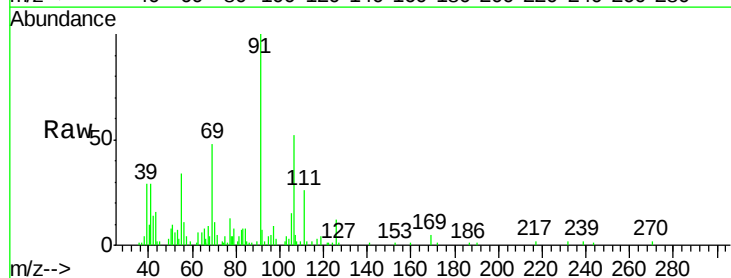
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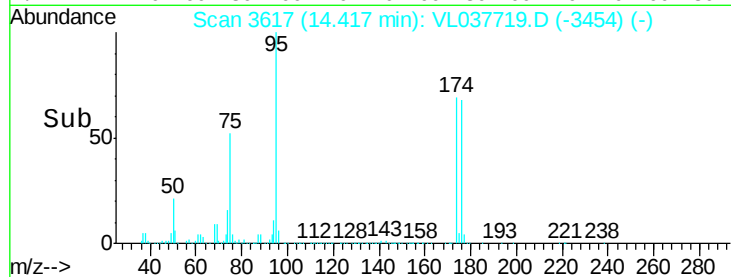
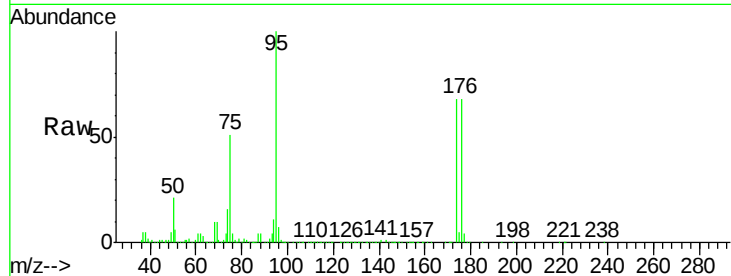
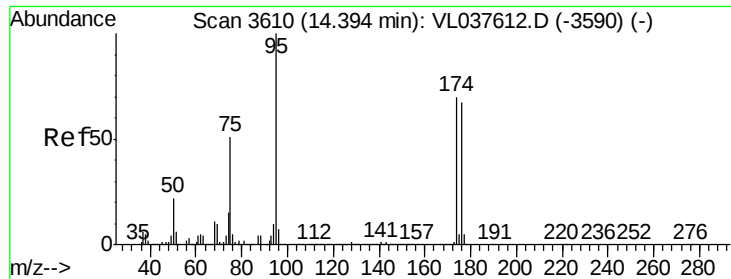
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#60
o-Xylene
Concen: 0.123 ppbv m
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL037719.D
Acq: 29 Sep 2021 1:40

Tgt Ion: 91 Resp: 45382
Ion Ratio Lower Upper
91 100
106 44.0 23.0 69.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.983 ppbv
 RT: 14.42
 Delta R.T
 Lab File:
 Acq: 29 Sep 2021 1:40

Tgt Ion:
 Ion Ratio
 95 100
 174 79.
 175 5.

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