

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037774.D
 Acq On : 5 Oct 2021 15:20
 Operator : SY/AP
 Sample : M4012-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P21

Manual Integrations
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 10/11/2021 7:36:10 PM

Quant Time: Oct 06 05:53:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 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	5.65	49	1398611	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3966061	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3450105	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2472736	10.25	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	31091	0.139	ppbv	100
4) Chloromethane	3.13	50	21071m	0.214	ppbv	
9) Propene	3.02	41	97838m	0.989	ppbv	
13) Ethanol	3.60	45	14172071	1752.574	ppbv	85
15) Acetone	3.84	43	3594844	28.632	ppbv	99
17) tert-Butyl alcohol	4.29	59	44398m	0.343	ppbv	
19) Isopropyl Alcohol	3.96	45	3129805	40.069	ppbv #	99
20) Methylene Chloride	4.33	84	57383m	0.905	ppbv	
26) Hexane	5.68	57	42376m	0.244	ppbv	
29) Chloroform	5.74	83	69787m	0.281	ppbv	
34) 2-Butanone	5.23	43	52459	0.328	ppbv	92
52) Tetrachloroethene	11.20	164	7826m	0.059	ppbv	
53) Toluene	9.78	91	259525	0.691	ppbv	98
58) Ethyl Benzene	12.69	91	60893m	0.131	ppbv	
59) m/p-Xylene	12.94	91	130709m	0.329	ppbv	
60) o-Xylene	13.67	91	49987m	0.131	ppbv	
61) Styrene	13.50	104	27665m	0.150	ppbv	

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

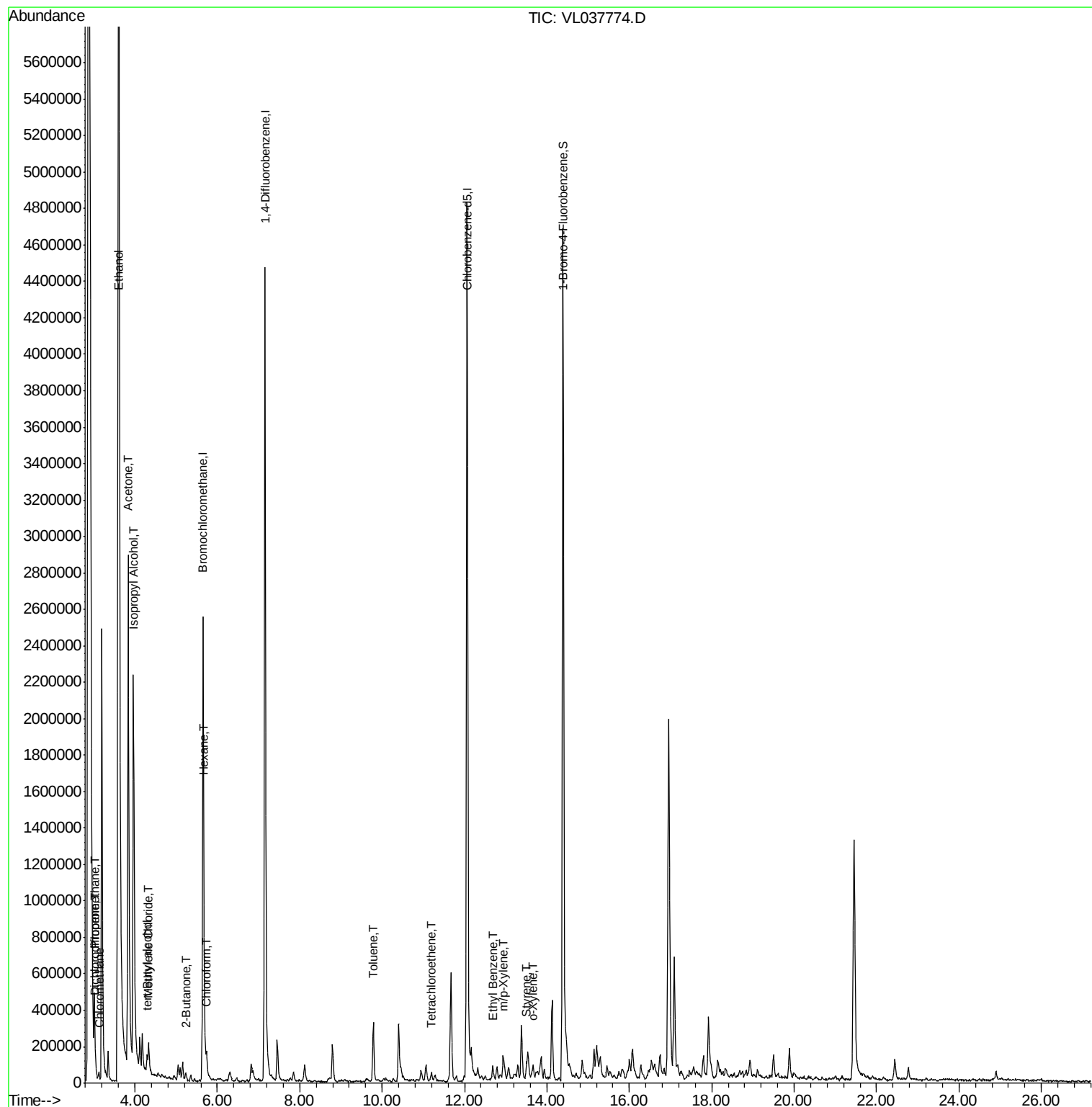
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037774.D
Acq On : 5 Oct 2021 15:20
Operator : SY/AP
Sample : M4012-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

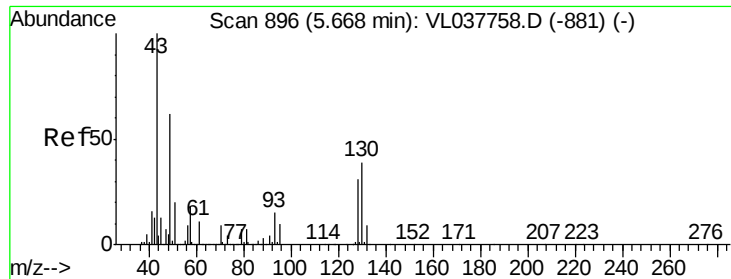
Instrument :
MSVOA_L
ClientSampleId :
C0P21

Manual Integrations
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Quant Time: Oct 06 05:53:16 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





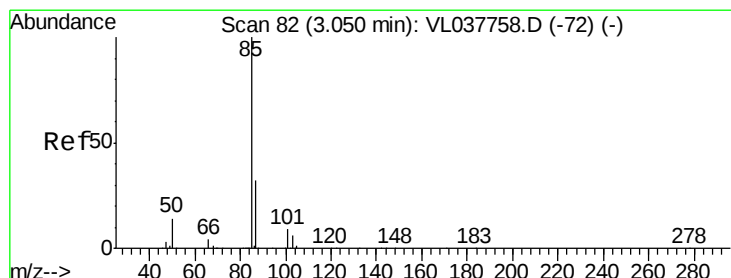
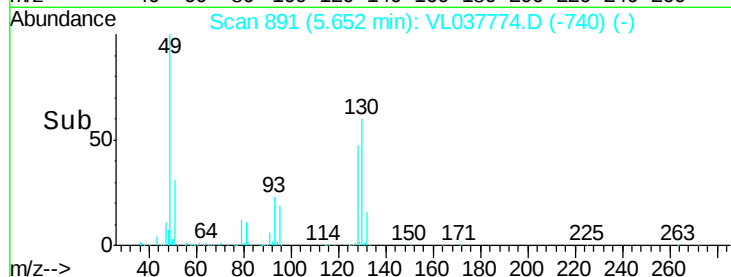
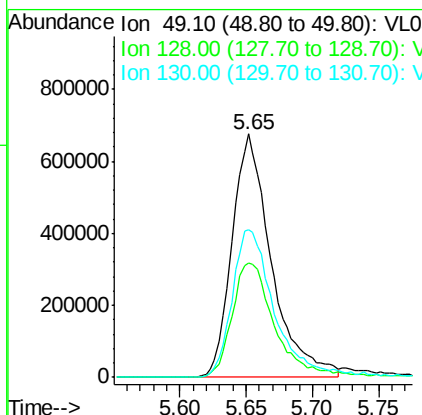
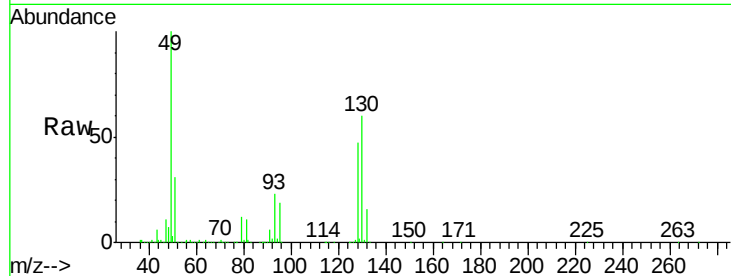
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampled :
C0P21

Tgt Ion: 49 Resp: 1398611
Ion Ratio Lower Upper
49 100
128 52.1 27.1 81.3
130 66.8 33.2 99.6

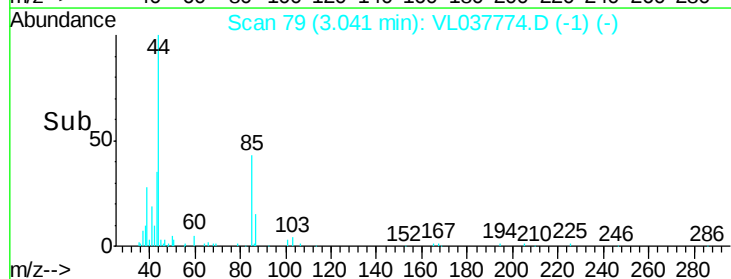
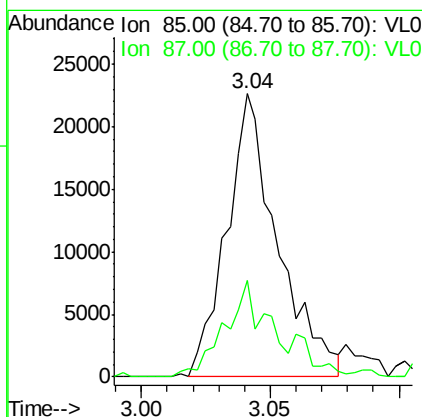
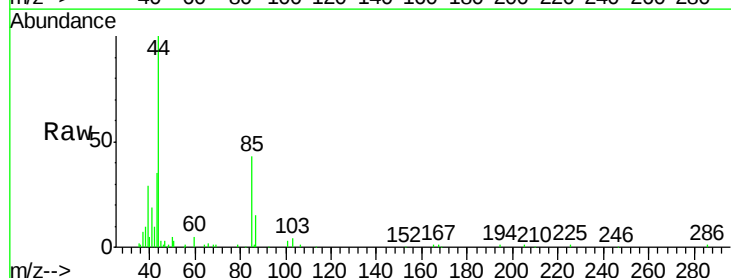
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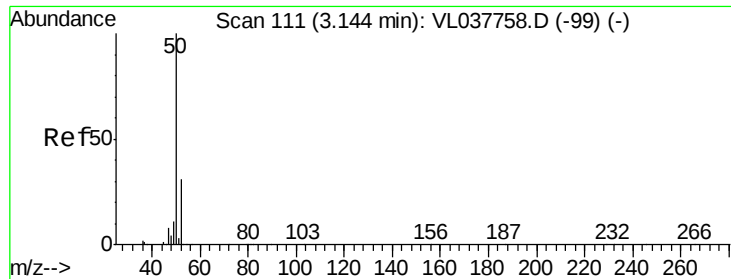
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#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 85 Resp: 31091
Ion Ratio Lower Upper
85 100
87 32.2 25.7 38.5





#4

Chloromethane

Concen: 0.214 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037774.D

Acq: 5 Oct 2021 15:20

Instrument :

MSVOA_L

ClientSampleId :

C0P21

Tgt Ion: 50 Resp: 21071

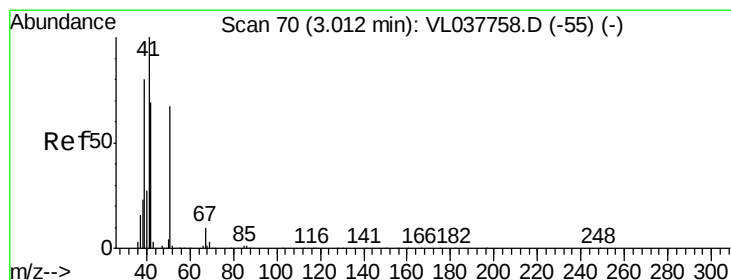
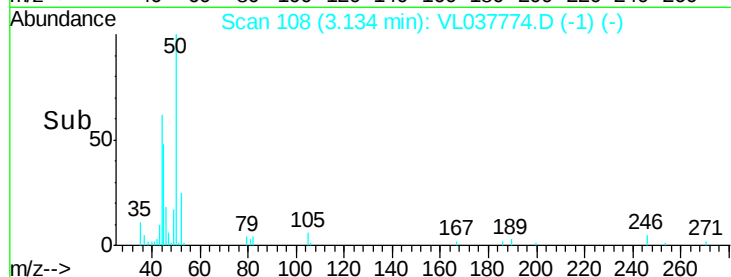
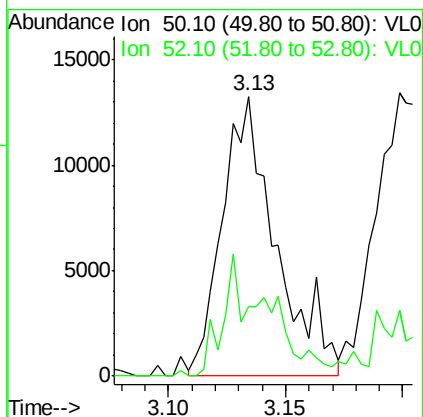
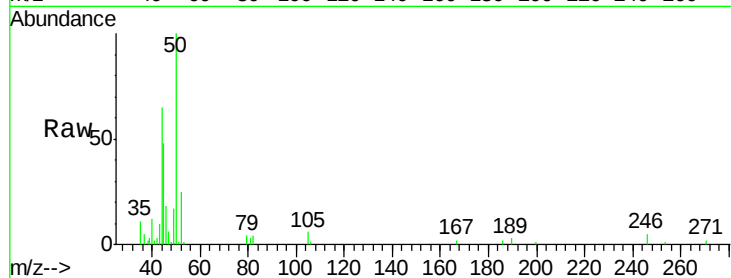
Ion Ratio Lower Upper

50 100

52 24.8 24.4 36.6

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#9

Propene

Concen: 0.989 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037774.D

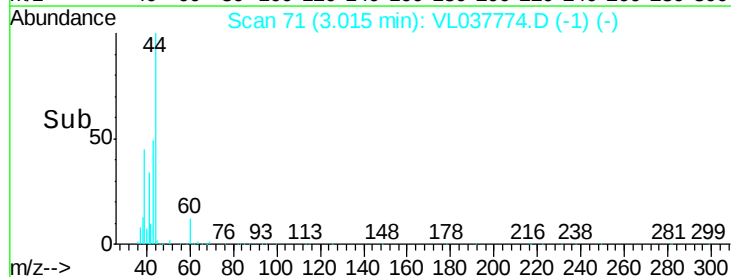
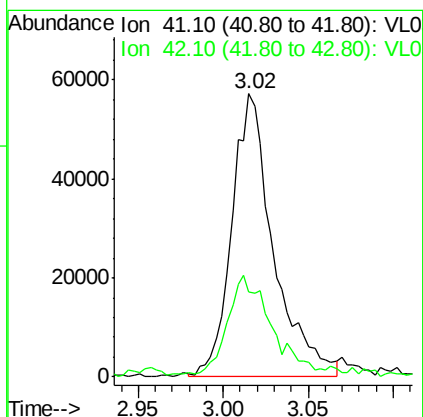
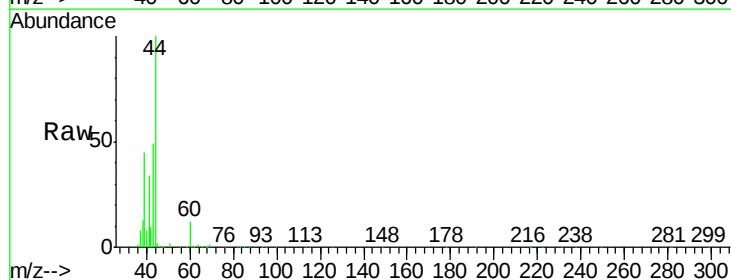
Acq: 5 Oct 2021 15:20

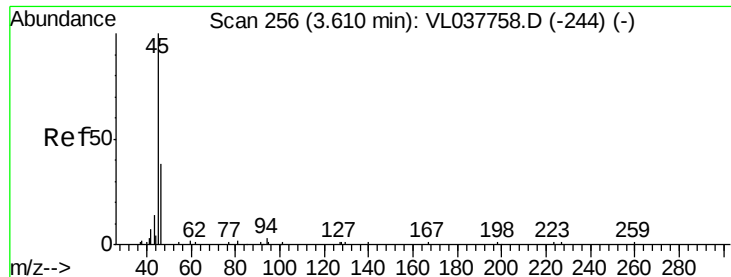
Tgt Ion: 41 Resp: 97838

Ion Ratio Lower Upper

41 100

42 634.1 54.2 81.2#





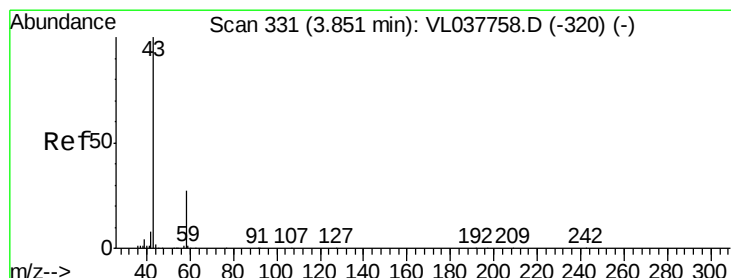
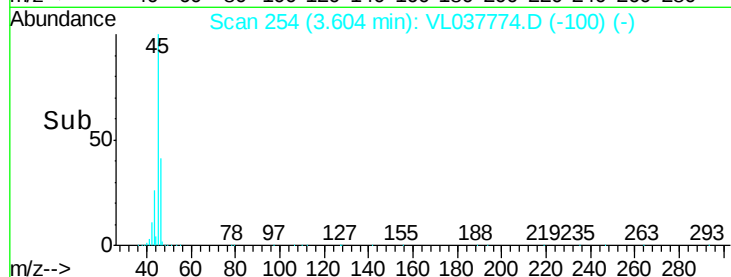
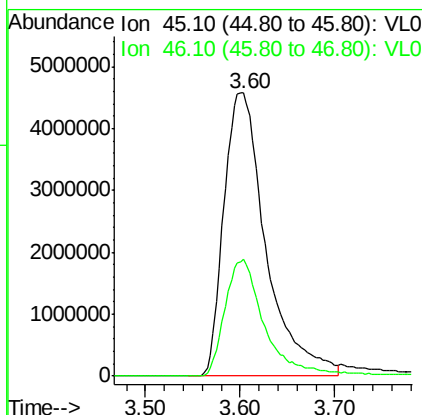
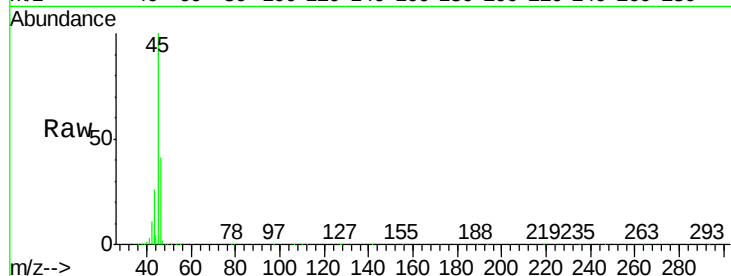
#13
Ethanol
Concen: 1752.574 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
C0P21

Tgt Ion: 45 Resp:14172071
Ion Ratio Lower Upper
45 100
46 40.0 20.2 81.0

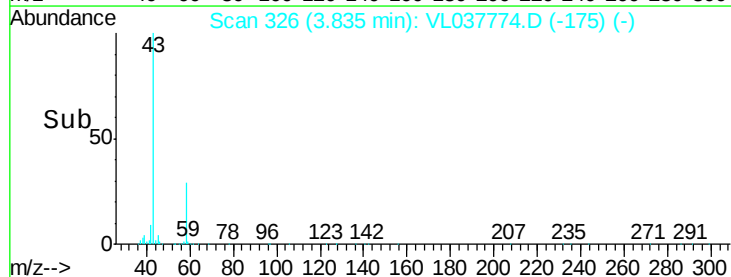
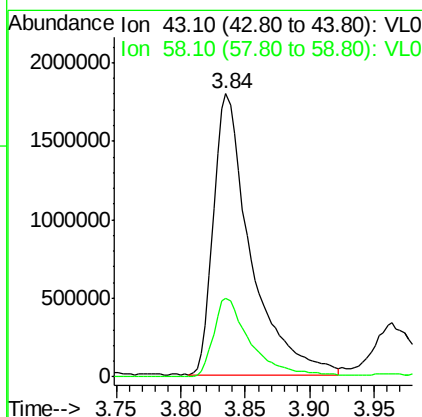
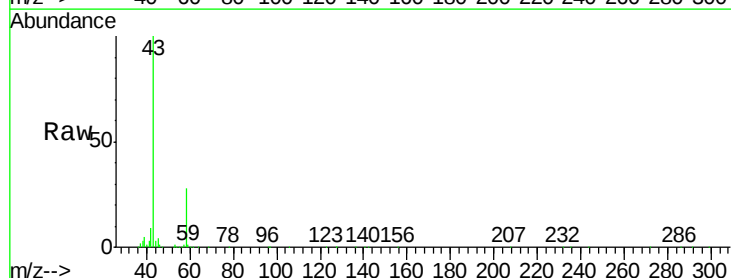
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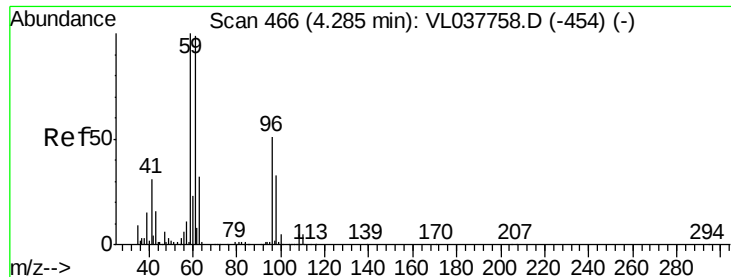
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#15
Acetone
Concen: 28.632 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 43 Resp: 3594844
Ion Ratio Lower Upper
43 100
58 28.4 23.0 34.6





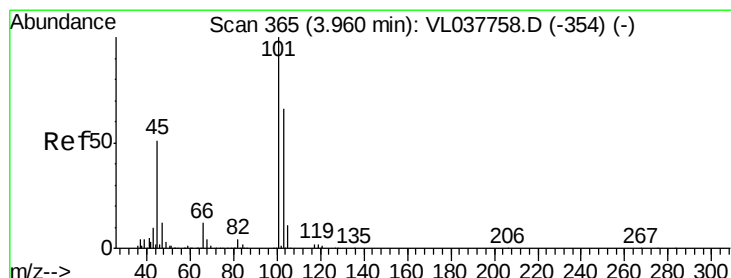
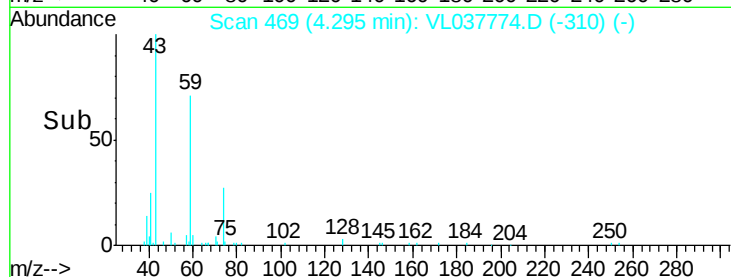
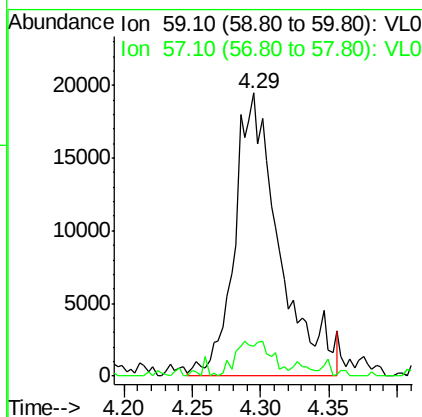
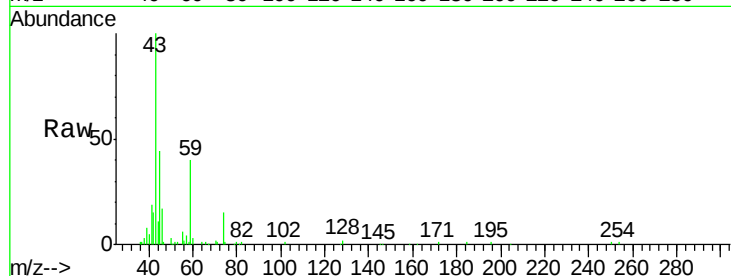
#17
tert-Butyl alcohol
Concen: 0.343 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampled :
C0P21

Tgt Ion: 59 Resp: 44398
Ion Ratio Lower Upper
59 100
57 13.3 8.6 13.0#

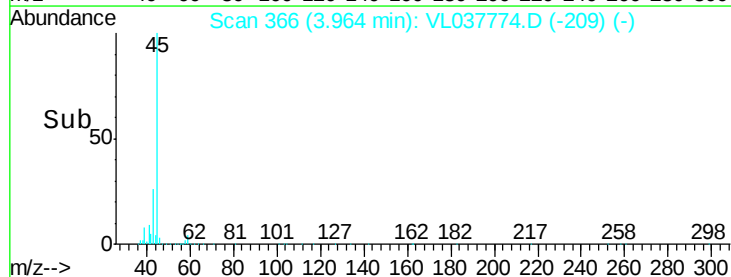
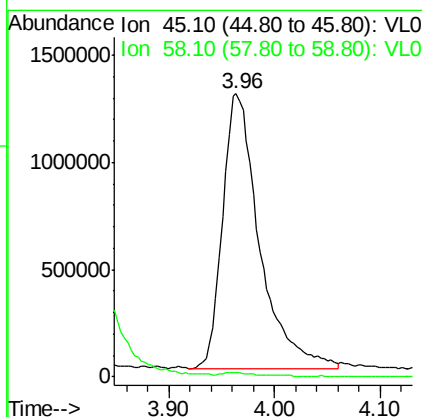
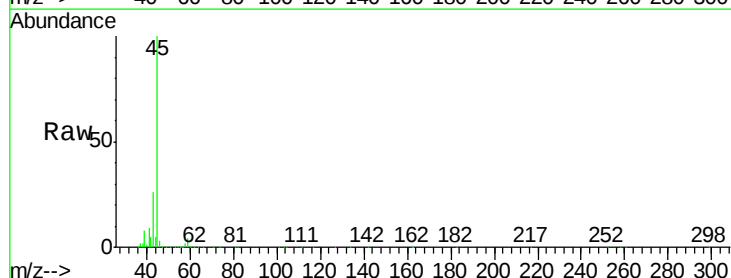
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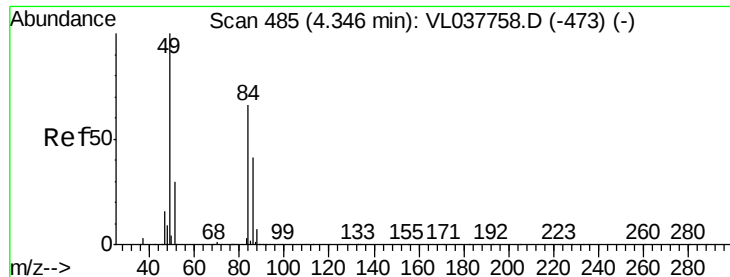
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#19
Isopropyl Alcohol
Concen: 40.069 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 45 Resp: 3129805
Ion Ratio Lower Upper
45 100
58 1.7 1.1 1.7#





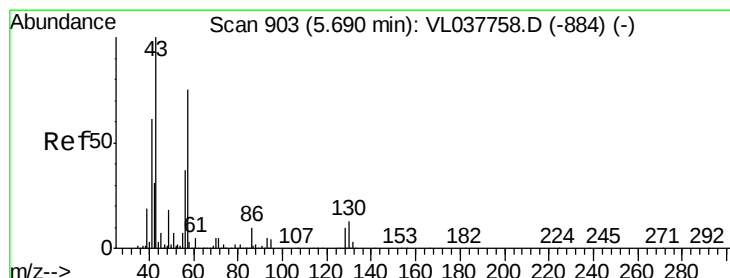
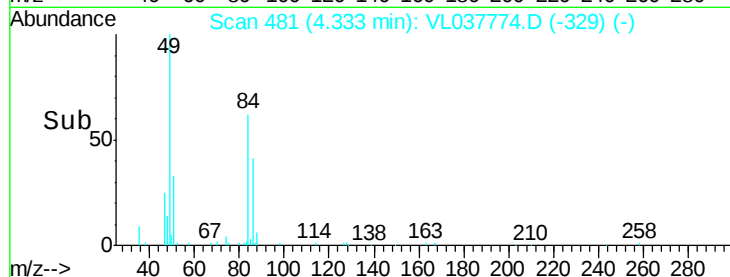
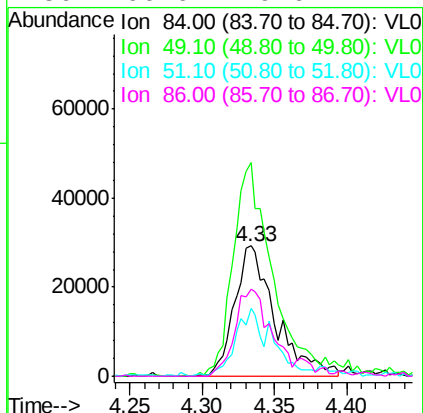
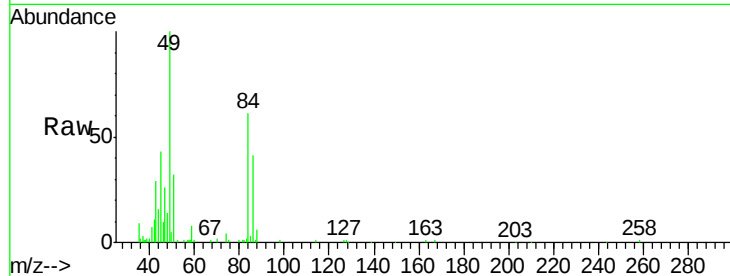
#20
Methylene Chloride
Concen: 0.905 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
C0P21

Tgt Ion	84	Resp	57383
Ion Ratio	Lower	Upper	
84	100		
49	164.0	120.7	181.1
51	52.6	36.2	54.4
86	66.6	49.6	74.4

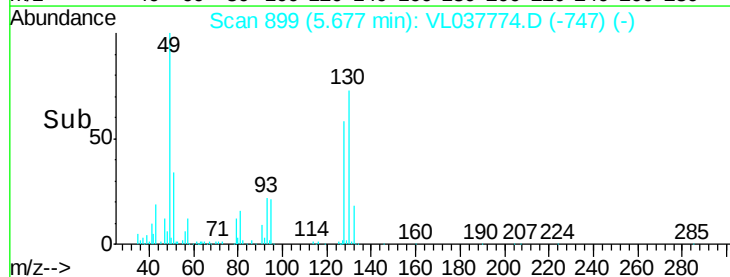
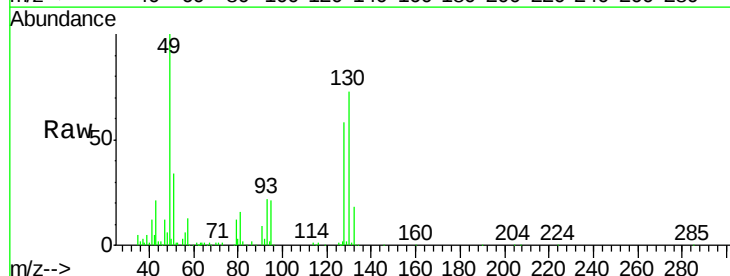
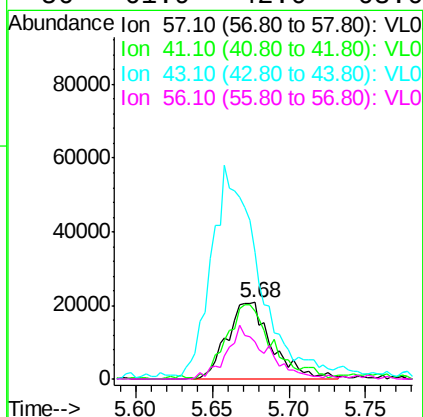
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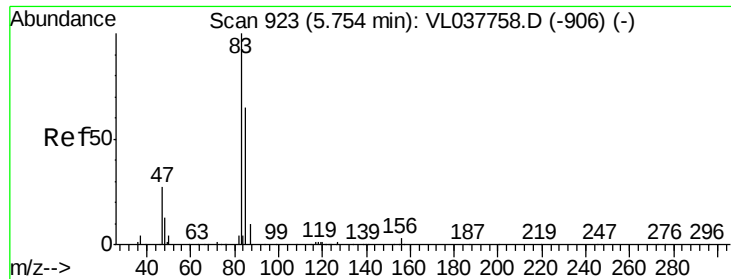
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#26
Hexane
Concen: 0.244 ppbv m
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion	57	Resp	42376
Ion Ratio	Lower	Upper	
57	100		
41	103.9	69.6	104.4
43	0.0	171.4	257.0#
56	61.9	42.0	63.0





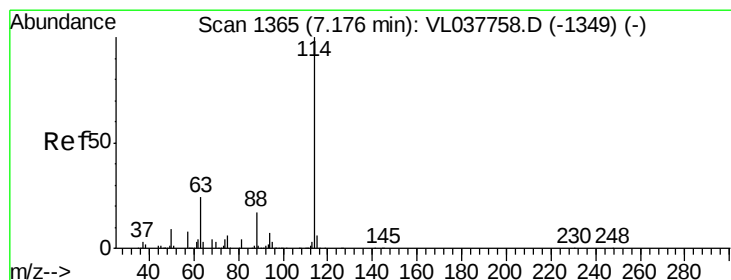
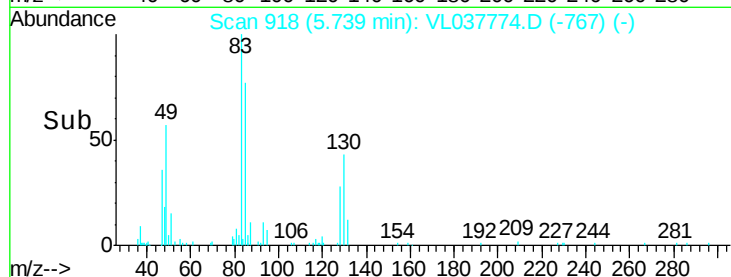
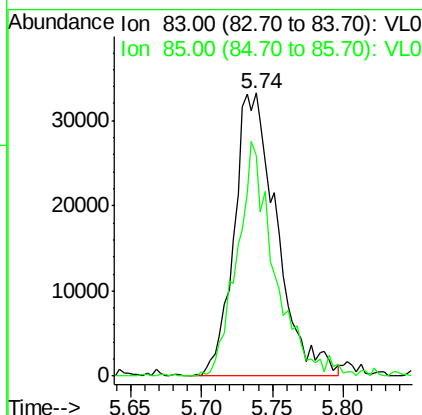
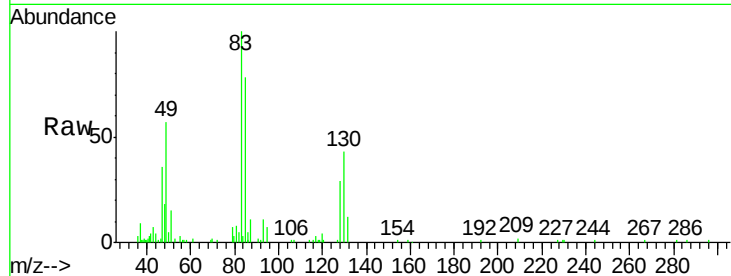
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Chloroform
Concen: 0.281 ppbv m
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampled :
C0P21

Tgt Ion: 83 Resp: 69787
Ion Ratio Lower Upper
83 100
85 77.8 51.8 77.8#

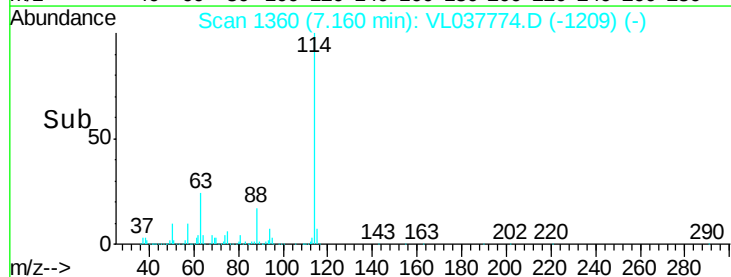
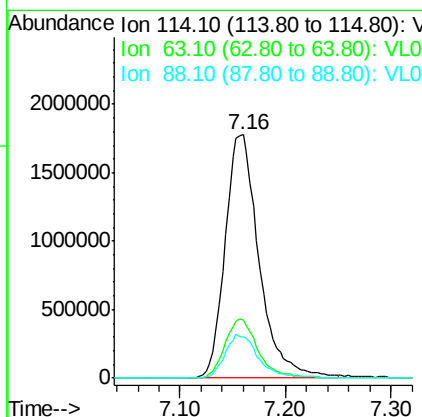
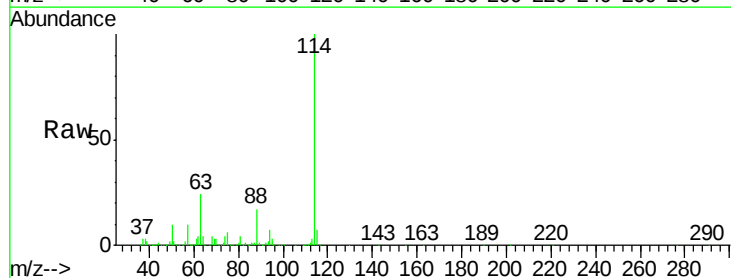
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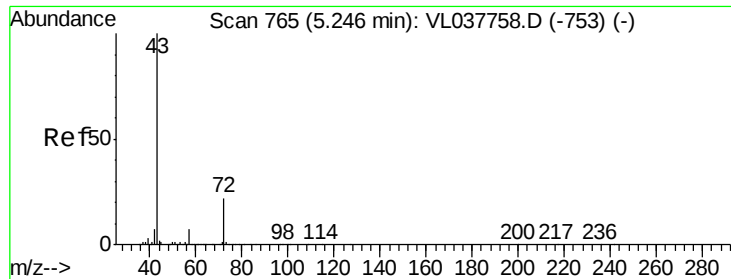
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 114 Resp: 3966061
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.2
88 17.7 14.4 21.6





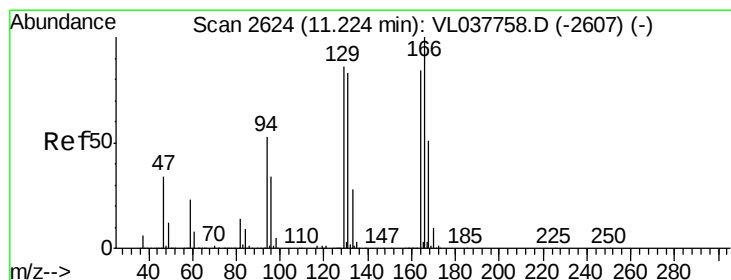
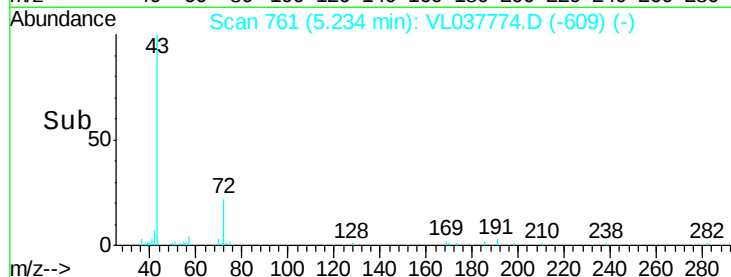
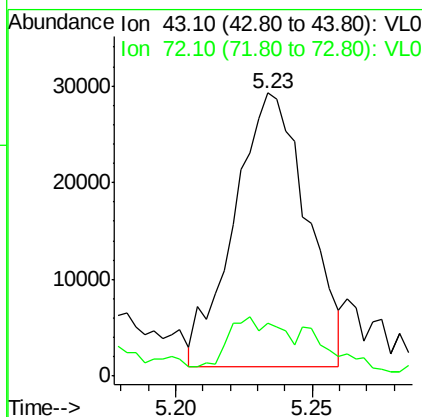
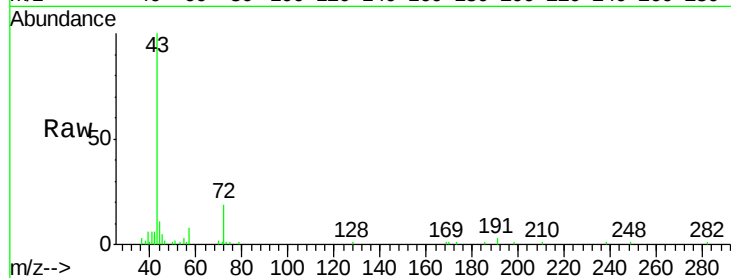
#34
2-Butanone
Concen: 0.328 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.01 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampleId :
C0P21

Tgt Ion: 43 Resp: 52459
Ion Ratio Lower Upper
43 100
72 26.7 18.2 27.2

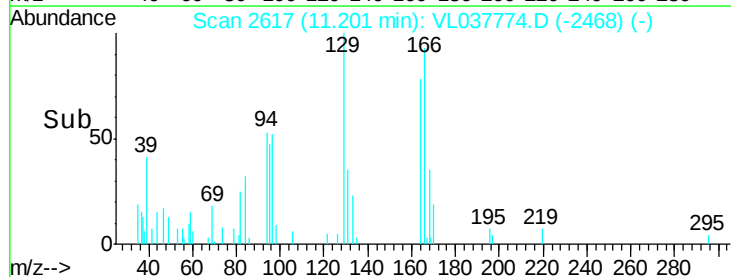
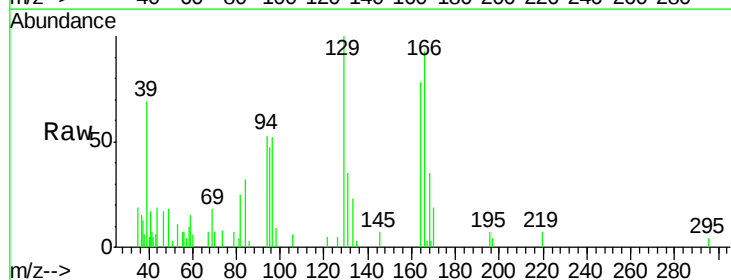
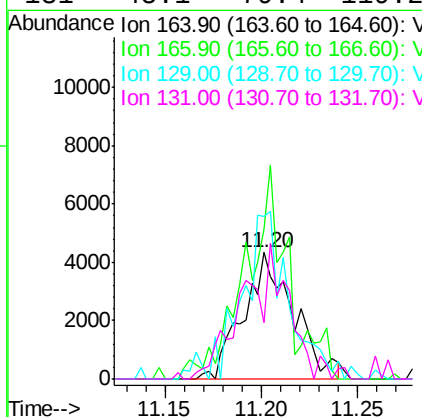
Manual Integrations
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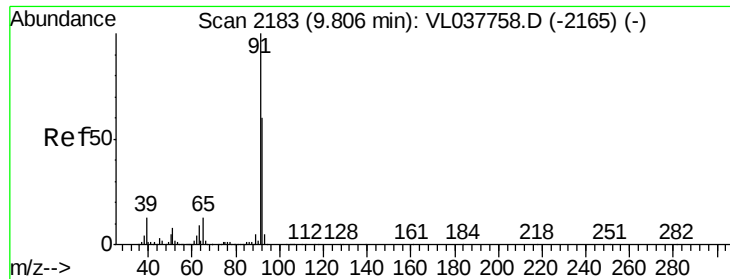
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#52
Tetrachloroethene
Concen: 0.059 ppbv m
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 164 Resp: 7826
Ion Ratio Lower Upper
164 100
166 118.7 95.4 143.2
129 128.1 82.2 123.4#
131 45.1 79.4 119.2#





#53

Toluene

Concen: 0.691 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.02 min

Lab File: VL037774.D

Acq: 5 Oct 2021 15:20

Instrument :

MSVOA_L

ClientSampleId :

C0P21

Tgt Ion: 91 Resp: 259525

Ion Ratio Lower Upper

91 100

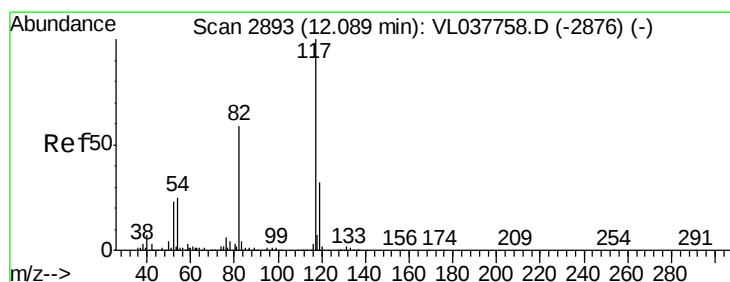
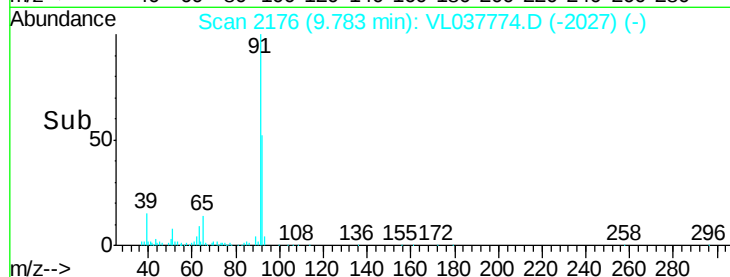
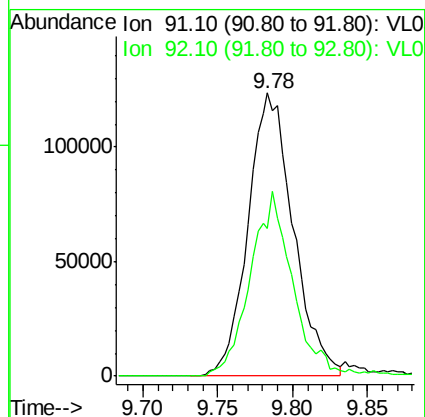
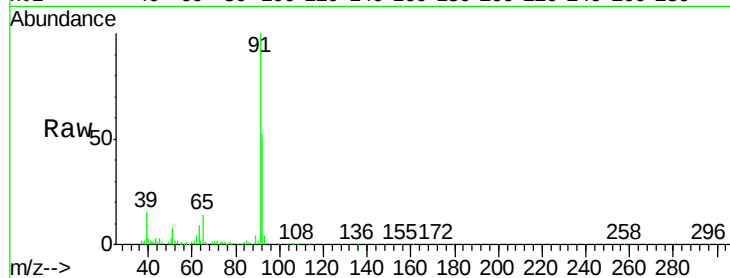
92 61.8 48.4 72.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL037774.D

Acq: 5 Oct 2021 15:20

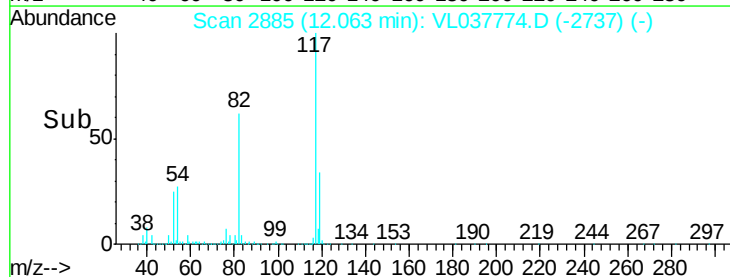
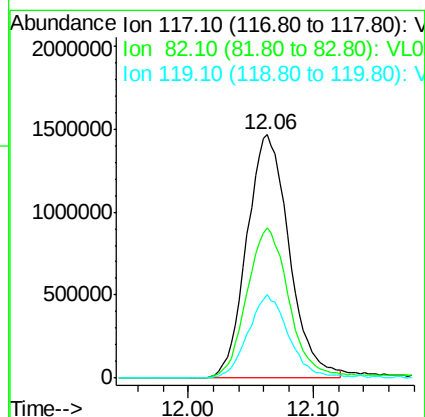
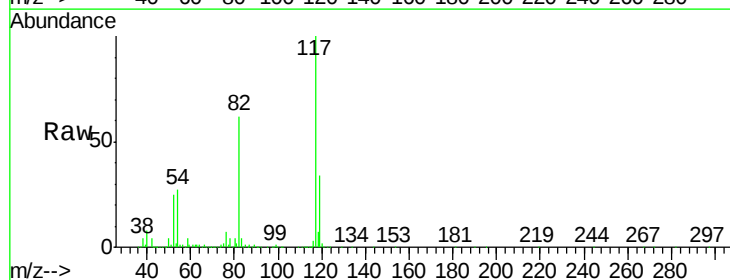
Tgt Ion: 117 Resp: 3450105

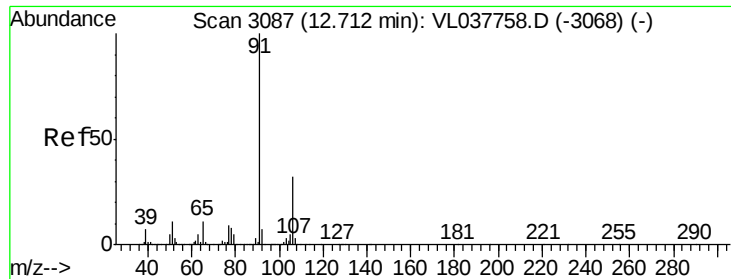
Ion Ratio Lower Upper

117 100

82 63.5 52.2 78.2

119 33.6 26.0 39.0





#58

Ethyl Benzene

Concen: 0.131 ppbv m

RT: 12.69 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VL037774.D

Acq: 5 Oct 2021 15:20

Instrument :

MSVOA_L

ClientSampleId :

C0P21

Tgt Ion: 91 Resp: 60893

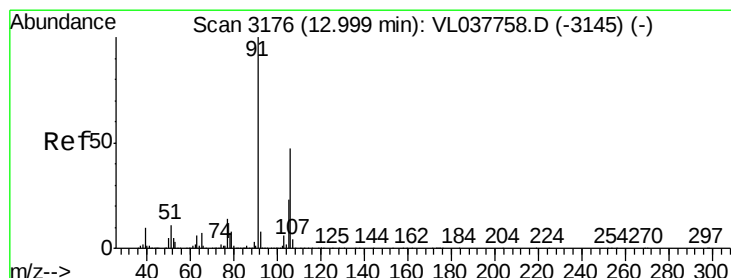
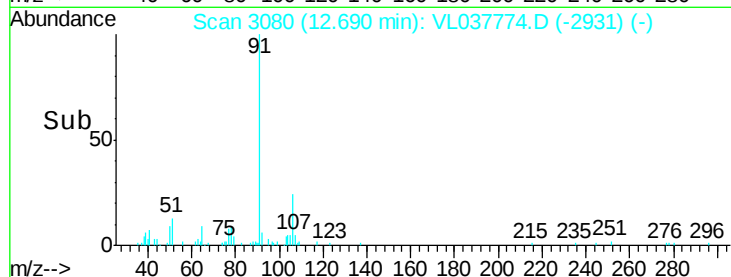
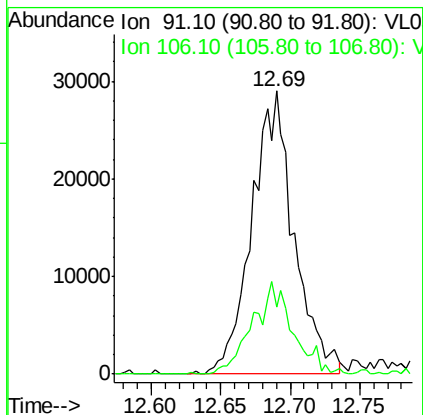
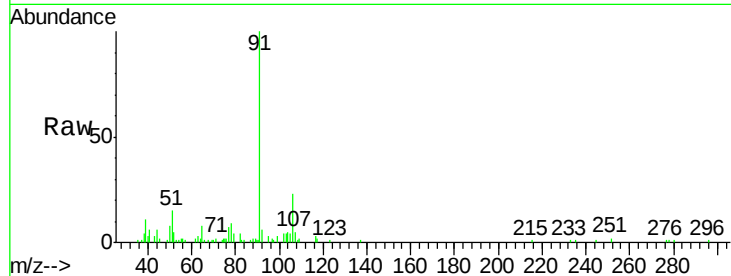
Ion Ratio Lower Upper

91 100

106 23.5 25.3 37.9#

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#59

m/p-Xylene

Concen: 0.329 ppbv m

RT: 12.94 min Scan# 3157

Delta R.T. -0.06 min

Lab File: VL037774.D

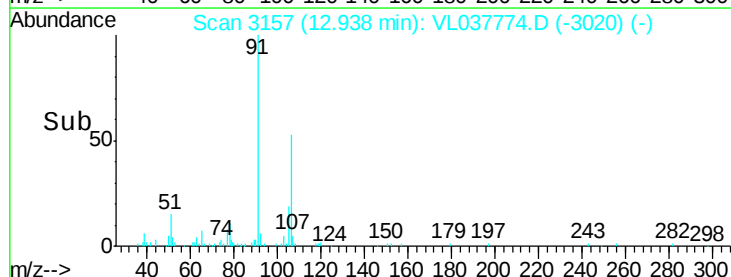
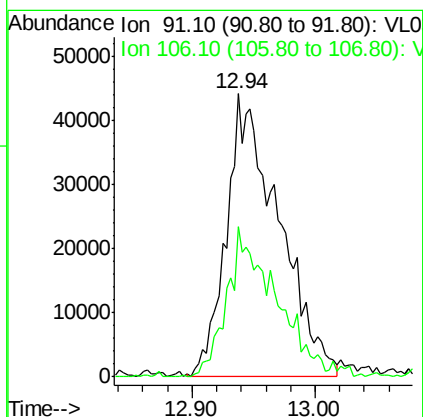
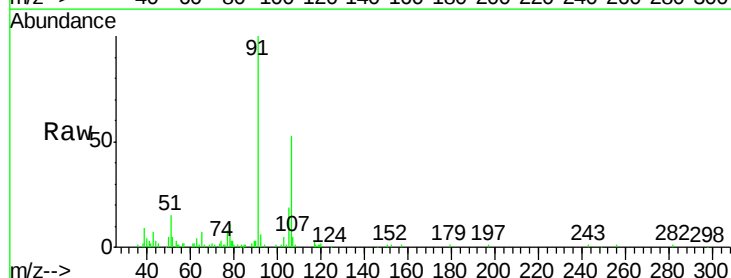
Acq: 5 Oct 2021 15:20

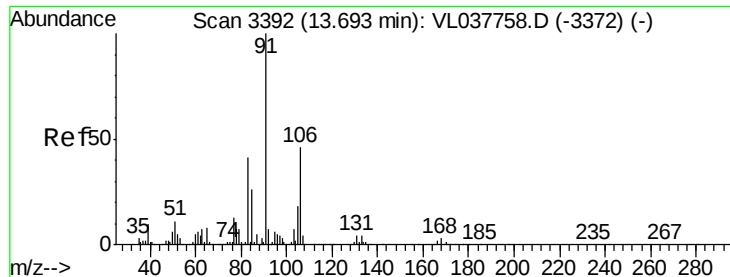
Tgt Ion: 91 Resp: 130709

Ion Ratio Lower Upper

91 100

106 0.0 36.7 55.1#





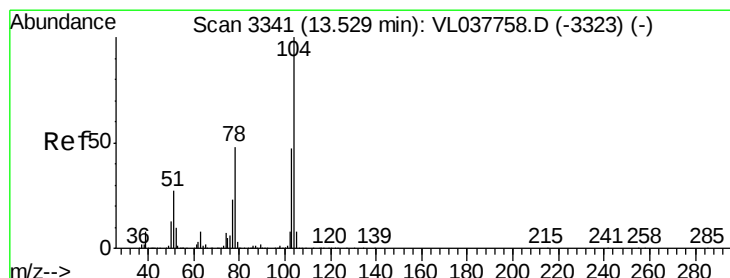
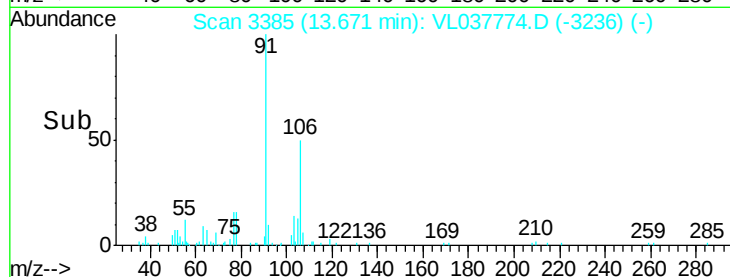
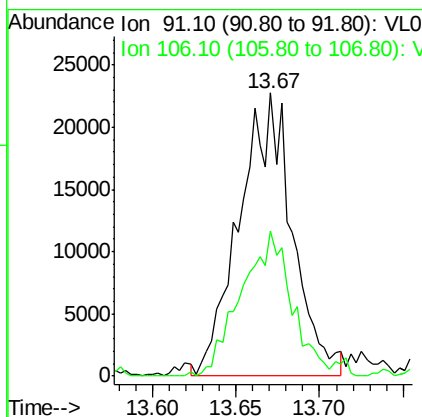
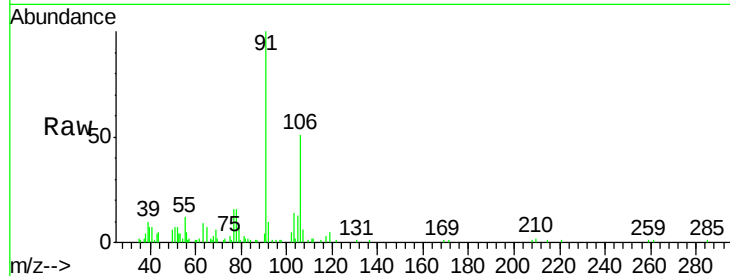
#60
o-Xylene
Concen: 0.131 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Instrument :
MSVOA_L
ClientSampled :
C0P21

Tgt Ion: 91 Resp: 49987
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5#

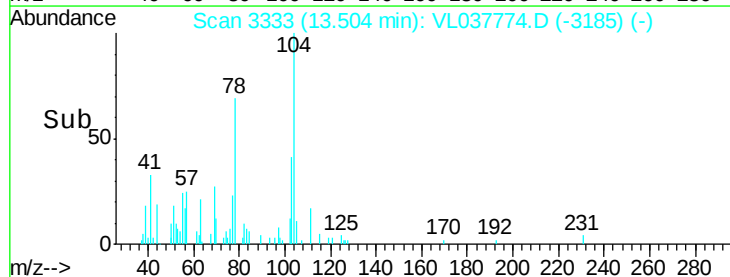
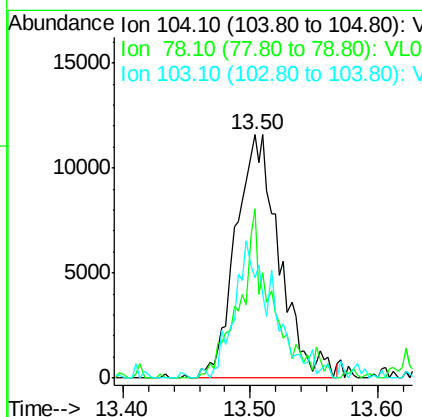
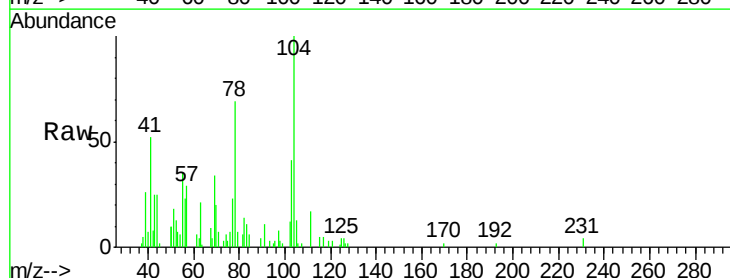
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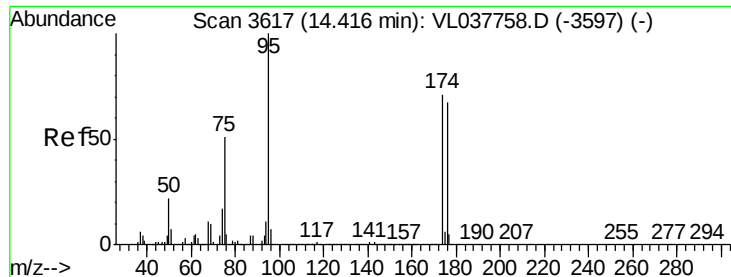
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#61
Styrene
Concen: 0.150 ppbv m
RT: 13.50 min Scan# 3333
Delta R.T. -0.03 min
Lab File: VL037774.D
Acq: 5 Oct 2021 15:20

Tgt Ion: 104 Resp: 27665
Ion Ratio Lower Upper
104 100
78 52.9 40.6 61.0
103 49.7 39.6 59.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.249 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.03 min
 Lab File: VL037774.D
 Acq: 5 Oct 2021 15:20

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P21

Tgt Ion: 95 Resp: 2472736
 Ion Ratio Lower Upper
 95 100
 174 72.3 57.8 86.6
 175 5.4 4.7 7.1

Manual Integrations
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