

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037780.D
 Acq On : 5 Oct 2021 19:18
 Operator : SY/AP
 Sample : M4012-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:36:23 PM

Quant Time: Oct 06 06:09:39 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	1276382	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3671855	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3087928	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1928511	8.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	24358m	0.119	ppbv	
4) Chloromethane	3.13	50	25027	0.279	ppbv	89
9) Propene	3.00	41	25315m	0.281	ppbv	
11) Trichlorofluoromethane	3.94	101	42878m	0.236	ppbv	
13) Ethanol	3.59	45	129415m	17.537	ppbv	
15) Acetone	3.83	43	1921820	16.773	ppbv	90
17) tert-Butyl alcohol	4.29	59	40598	0.344	ppbv	95
20) Methylene Chloride	4.33	84	56289	0.972	ppbv	94
26) Hexane	5.67	57	92466m	0.584	ppbv	
29) Chloroform	5.74	83	105375	0.466	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	25130m	0.117	ppbv	
34) 2-Butanone	5.23	43	248401m	1.676	ppbv	
38) Trichloroethene	7.81	130	15176m	0.122	ppbv	
41) Tetrahydrofuran	6.05	42	57537m	0.793	ppbv	
52) Tetrachloroethene	11.20	164	3641021	29.840	ppbv	97

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

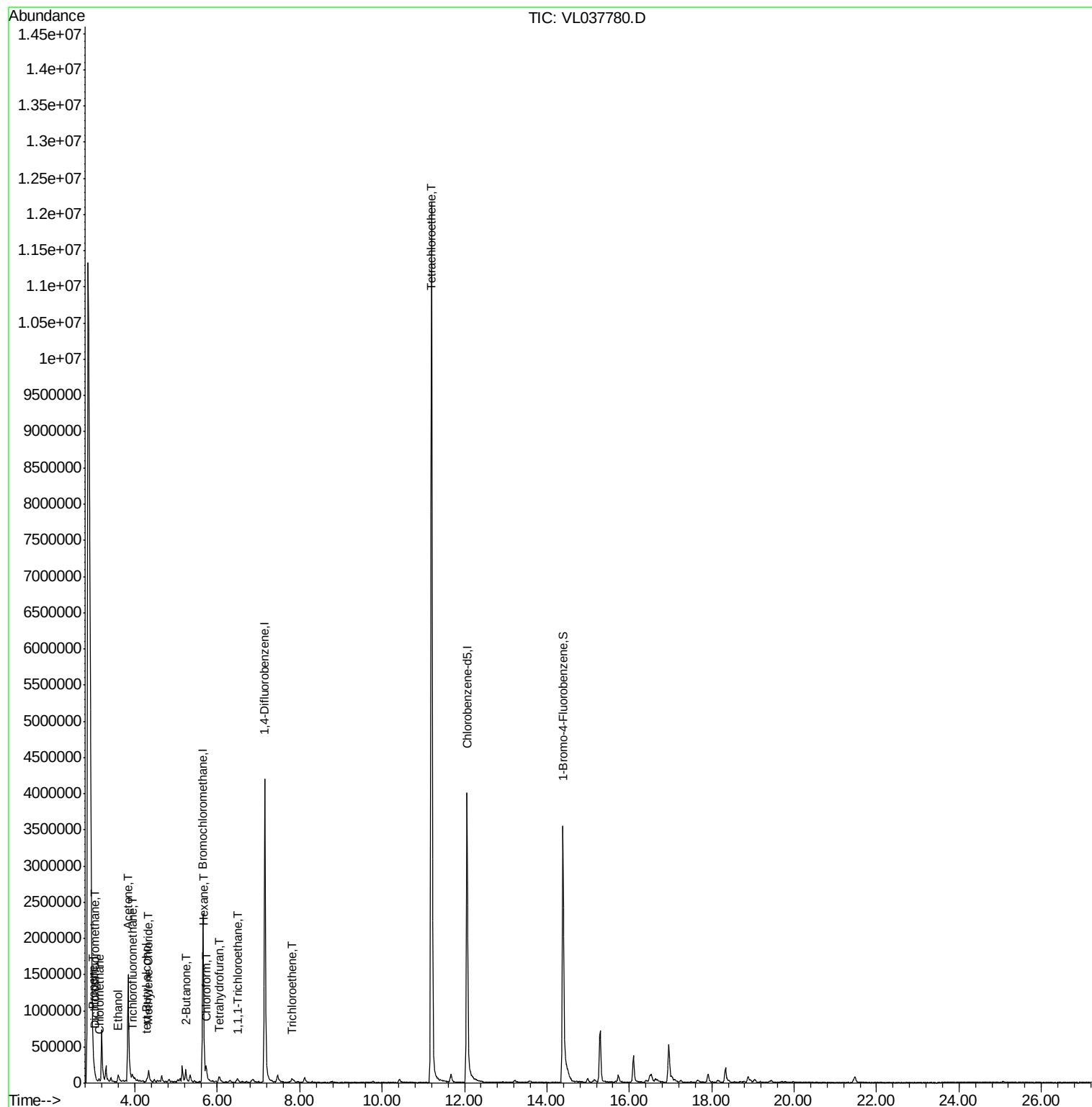
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
Data File : VL037780.D
Acq On : 5 Oct 2021 19:18
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

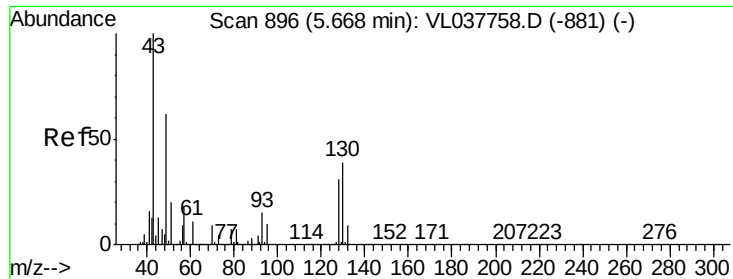
Instrument :
MSVOA_L
ClientSampleId :
C0P09

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Quant Time: Oct 06 06:09:39 2021
Quant Method : Z:\V0ASRV\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# 890

Delta R.T. -0.02 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Instrument :

MSVOA_L

ClientSampled :

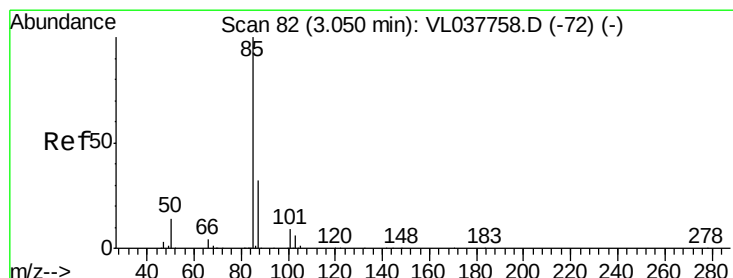
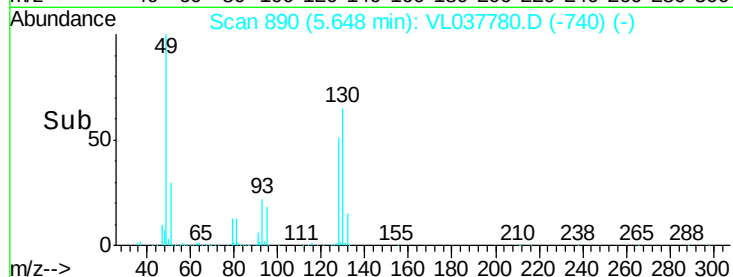
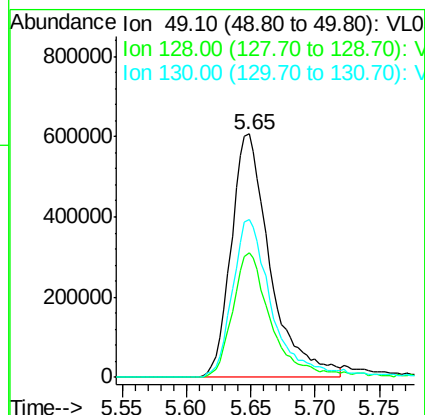
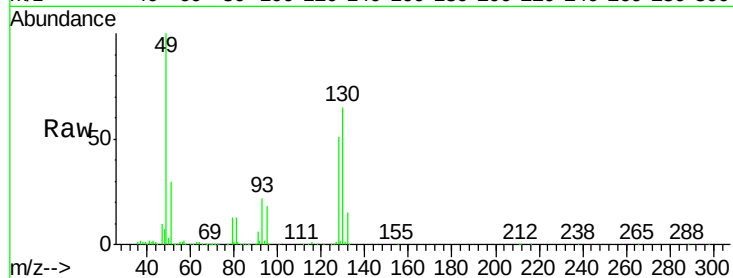
C0P09

Tgt Ion: 49 Resp: 1276382

Ion	Ratio	Lower	Upper
49	100		
128	51.3	27.1	81.3
130	68.0	33.2	99.6

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#2

Dichlorodifluoromethane

Concen: 0.119 ppbv m

RT: 3.04 min Scan# 79

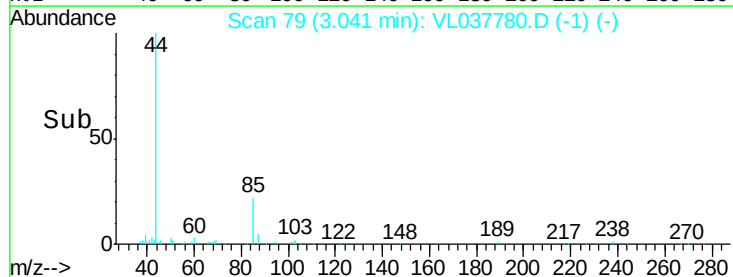
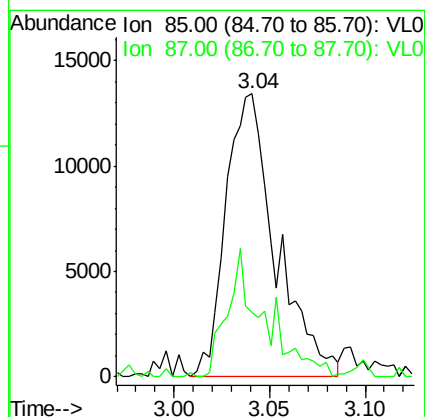
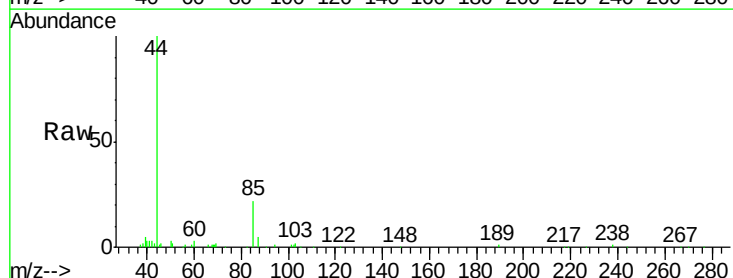
Delta R.T. -0.01 min

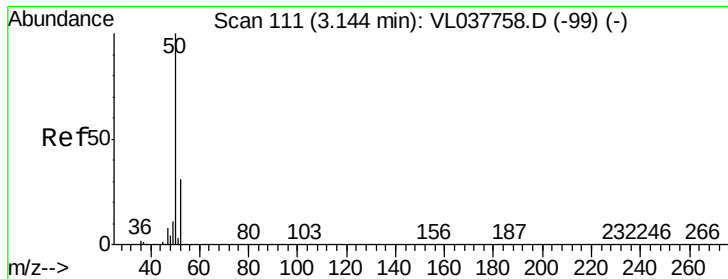
Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Tgt Ion: 85 Resp: 24358

Ion	Ratio	Lower	Upper
85	100		
87	22.8	25.7	38.5#





#4

Chloromethane

Concen: 0.279 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Instrument :

MSVOA_L

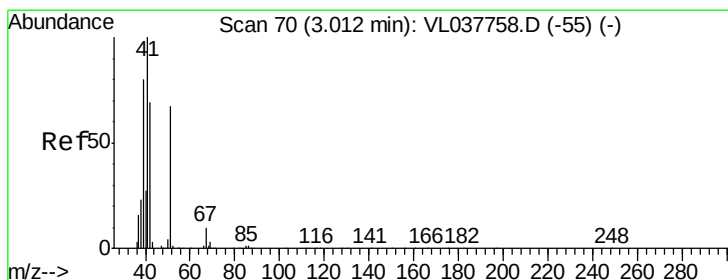
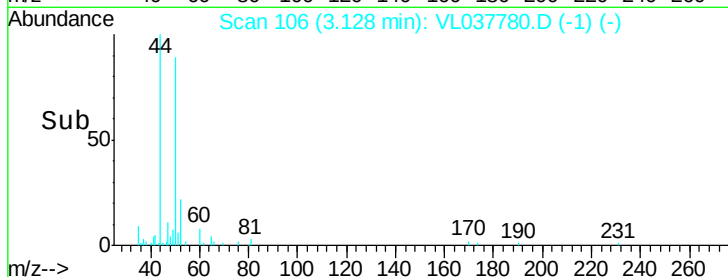
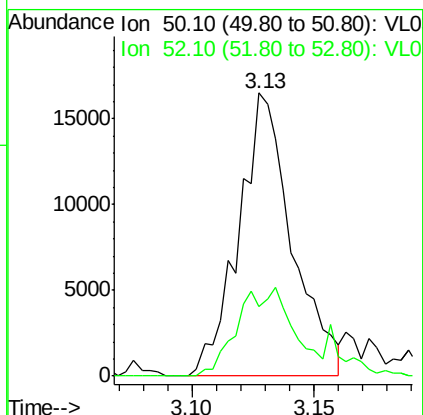
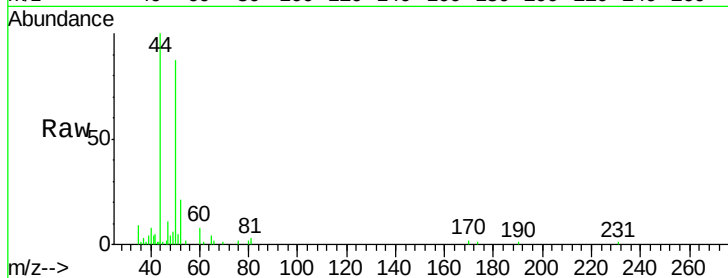
ClientSampleId :

C0P09

Tgt Ion: 50 Resp: 25027
 Ion Ratio Lower Upper
 50 100
 52 24.5 24.4 36.6

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#9

Propene

Concen: 0.281 ppbv m

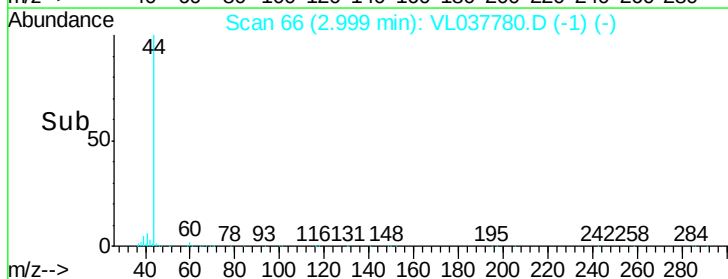
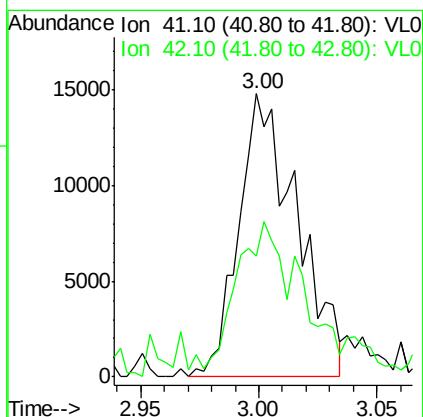
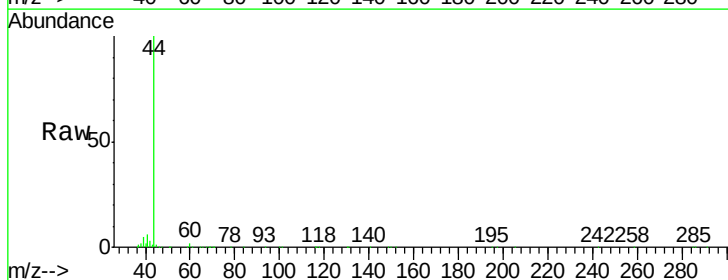
RT: 3.00 min Scan# 66

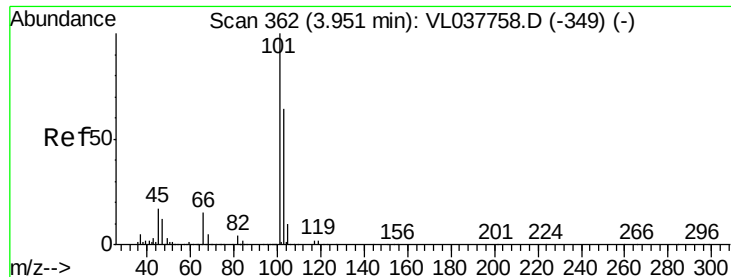
Delta R.T. -0.01 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Tgt Ion: 41 Resp: 25315
 Ion Ratio Lower Upper
 41 100
 42 61.8 54.2 81.2





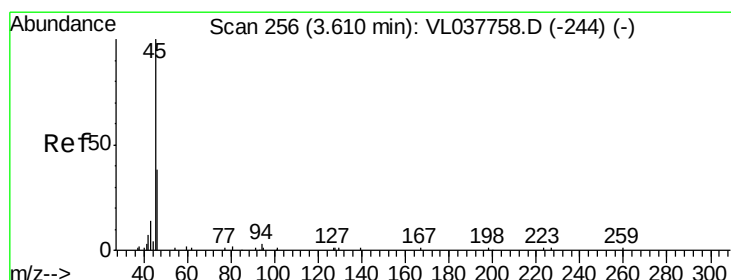
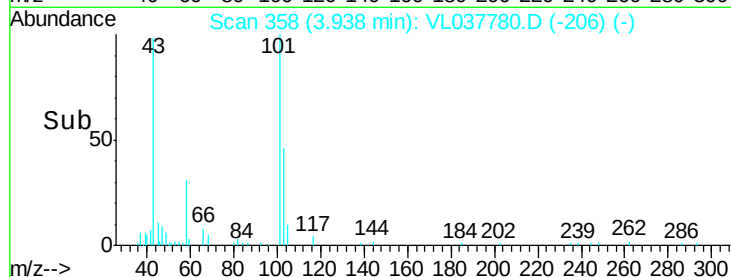
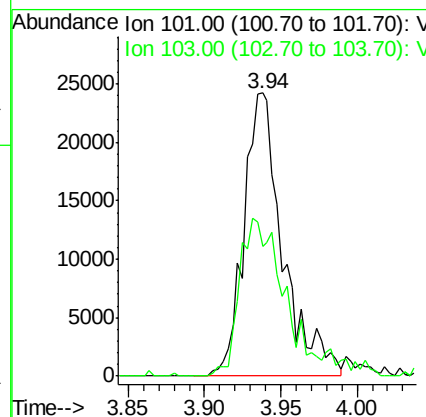
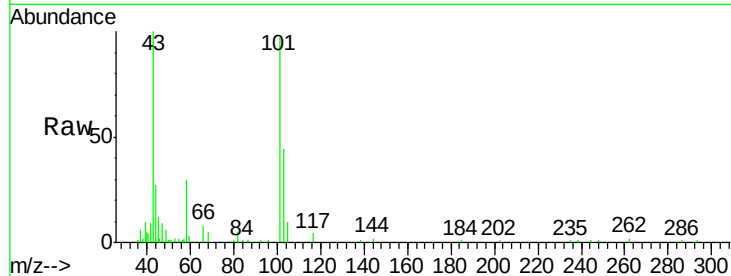
#11
Trichlorofluoromethane
Concen: 0.236 ppbv m
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Instrument :
MSVOA_L
ClientSampled :
C0P09

Tgt Ion: 101 Resp: 42878
Ion Ratio Lower Upper
101 100
103 45.7 51.5 77.3#

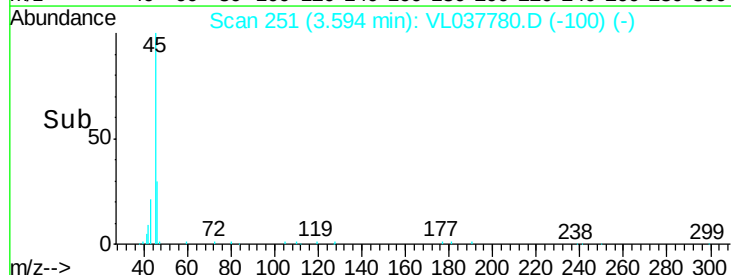
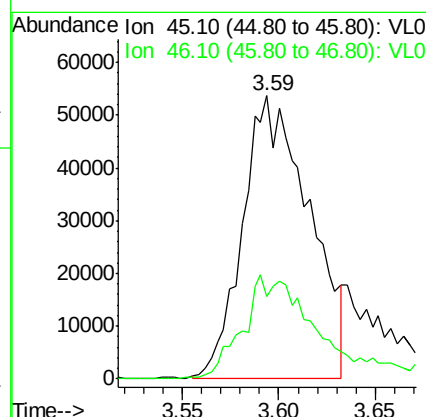
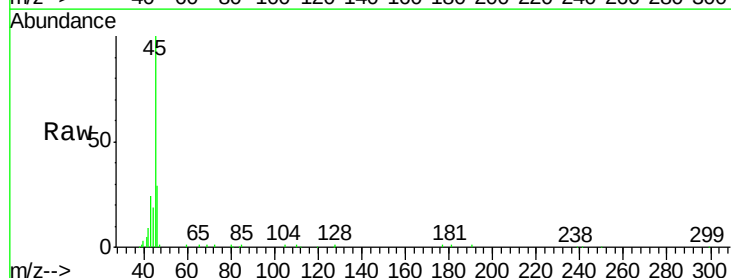
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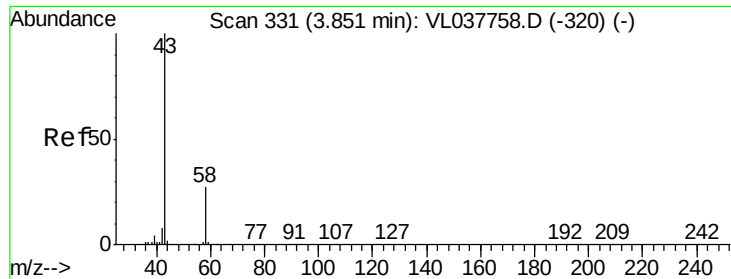
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#13
Ethanol
Concen: 17.537 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Tgt Ion: 45 Resp: 129415
Ion Ratio Lower Upper
45 100
46 0.0 20.2 81.0#





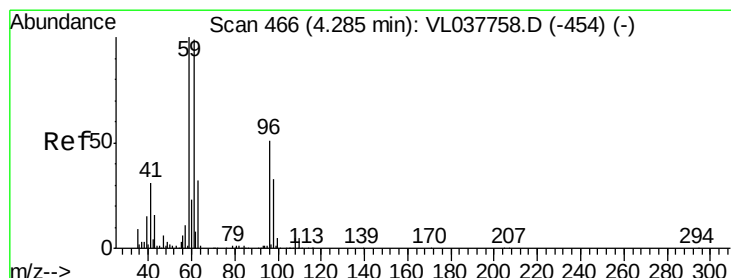
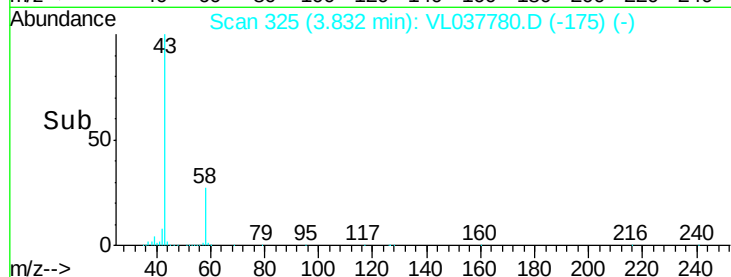
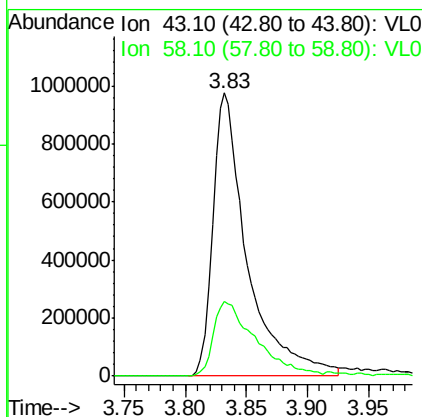
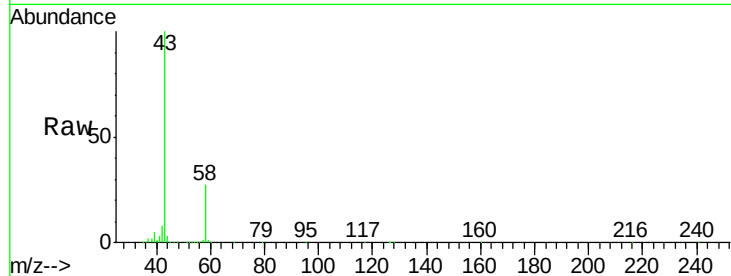
#15
Acetone
Concen: 16.773 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.02 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
C0P09

Tgt Ion: 43 Resp: 1921820
Ion Ratio Lower Upper
43 100
58 34.1 23.0 34.6

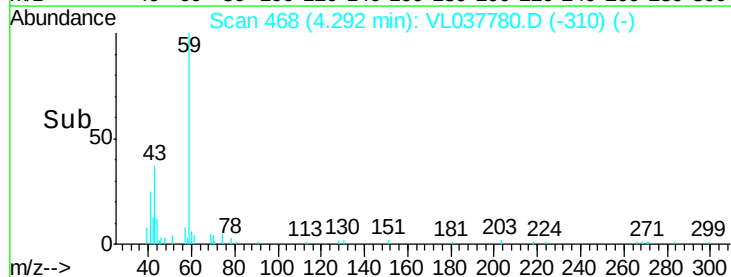
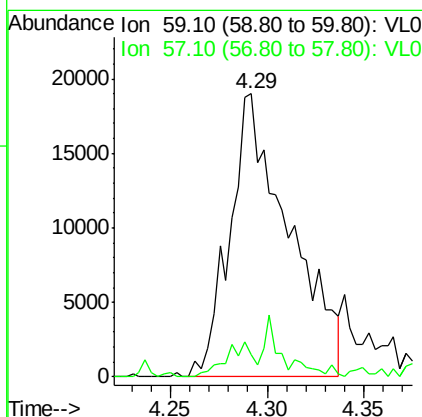
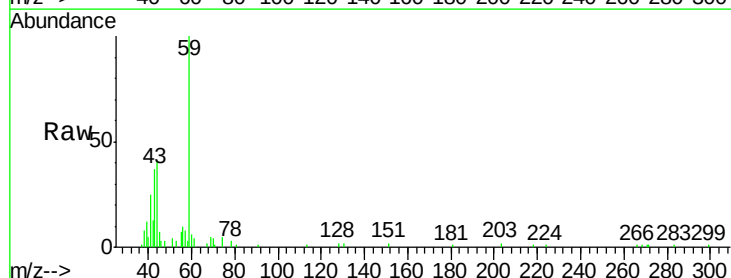
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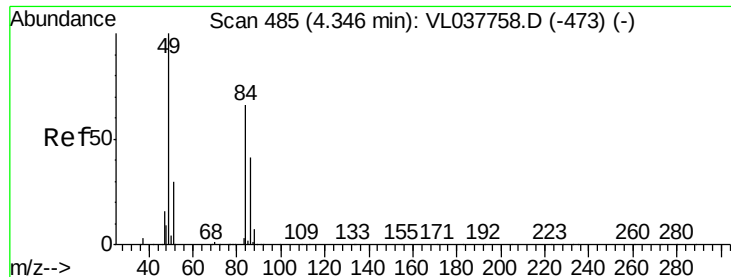
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#17
tert-Butyl alcohol
Concen: 0.344 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Tgt Ion: 59 Resp: 40598
Ion Ratio Lower Upper
59 100
57 12.5 8.6 13.0





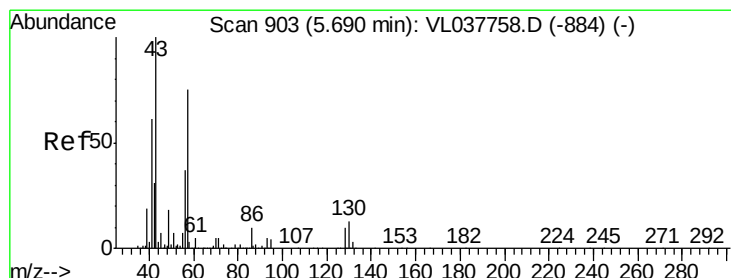
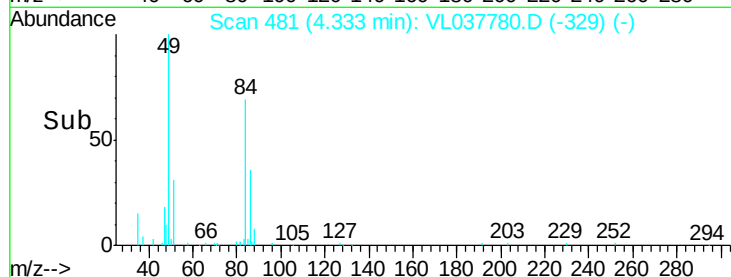
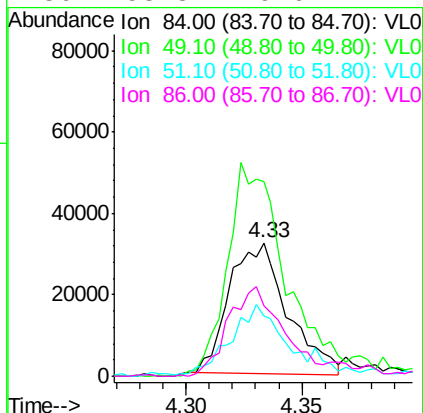
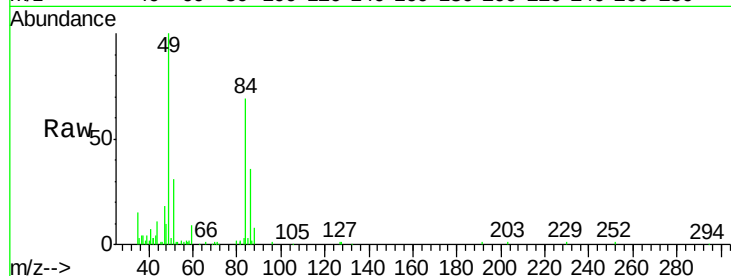
#20
Methylene Chloride
Concen: 0.972 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Instrument :
MSVOA_L
ClientSampleId :
C0P09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.1	120.7	181.1
51	45.1	36.2	54.4
86	53.8	49.6	74.4

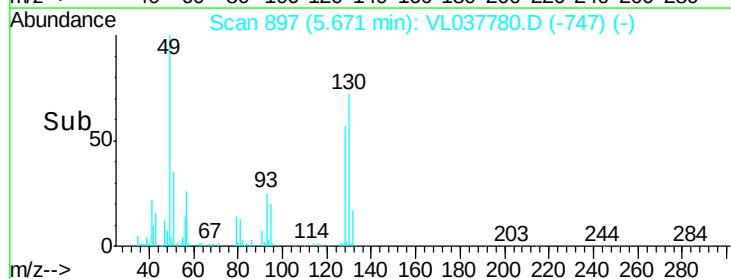
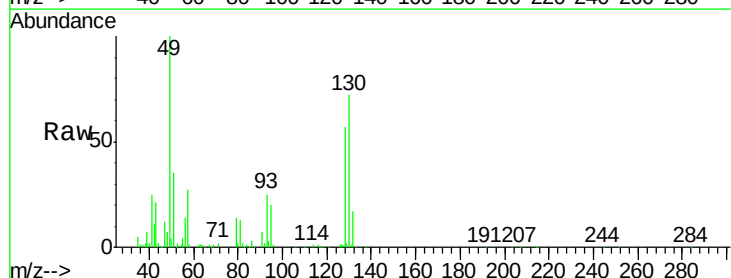
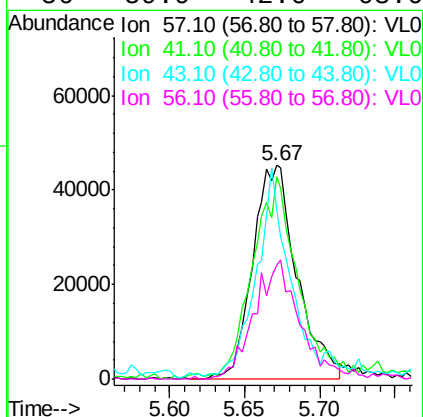
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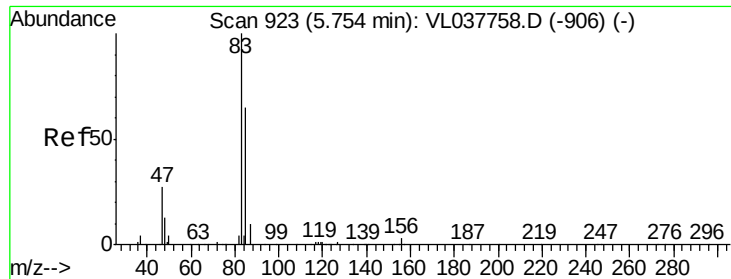
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#26
Hexane
Concen: 0.584 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL037780.D
Acq: 5 Oct 2021 19:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.1	69.6	104.4
43	81.1	171.4	257.0#
56	59.9	42.0	63.0





#29

Chloroform

Concen: 0.466 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.02 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Instrument :

MSVOA_L

ClientSampled :

C0P09

Tgt Ion: 83 Resp: 105375

Ion Ratio Lower Upper

83 100

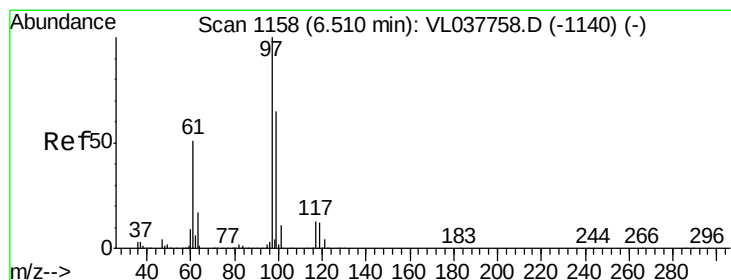
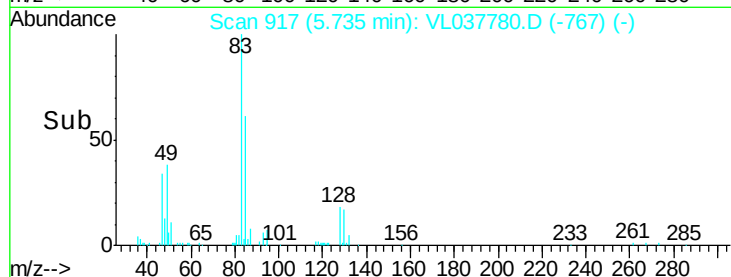
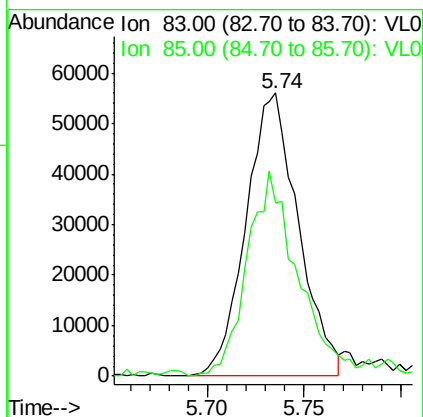
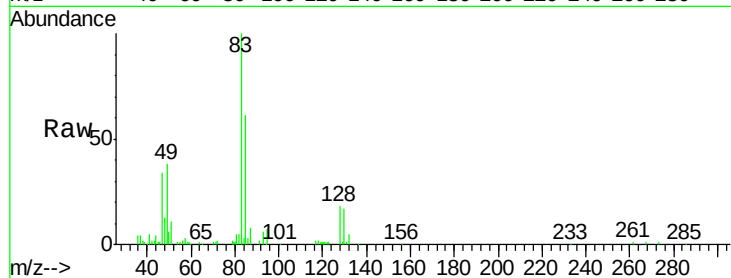
85 61.2 51.8 77.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 0.117 ppbv m

RT: 6.49 min Scan# 1153

Delta R.T. -0.02 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

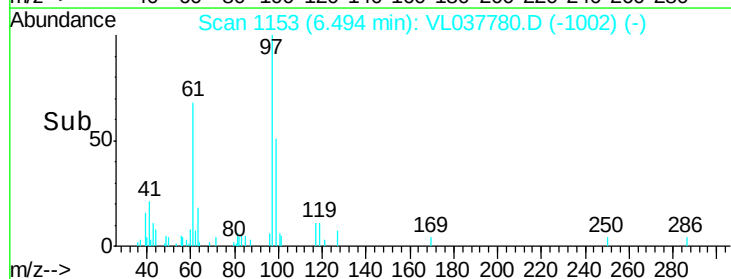
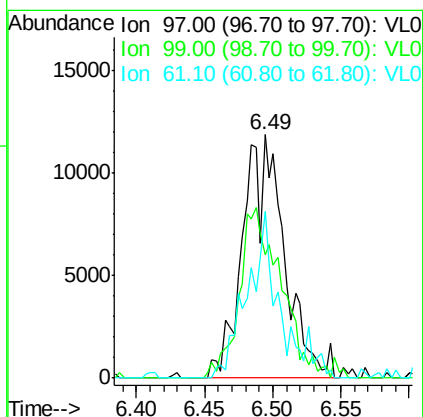
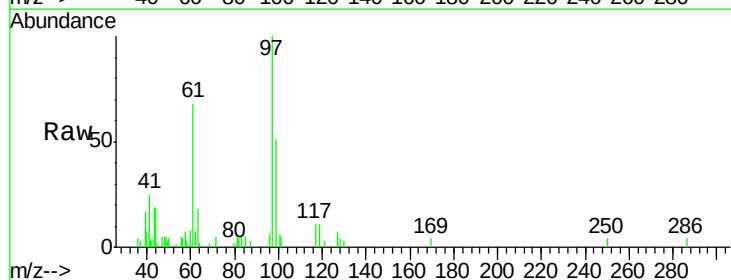
Tgt Ion: 97 Resp: 25130

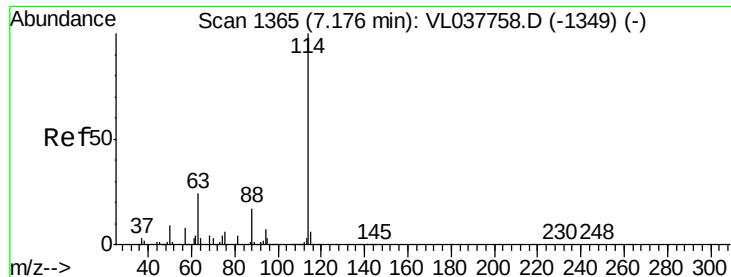
Ion Ratio Lower Upper

97 100

99 71.2 52.6 78.8

61 0.0 40.2 60.4#





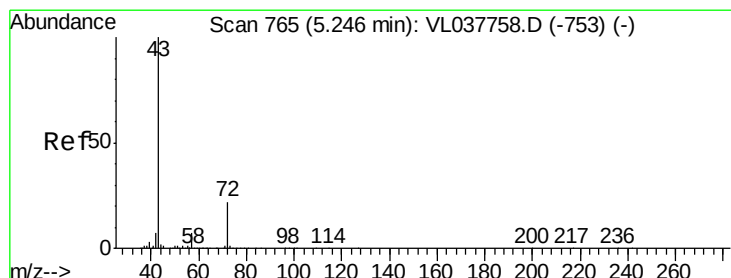
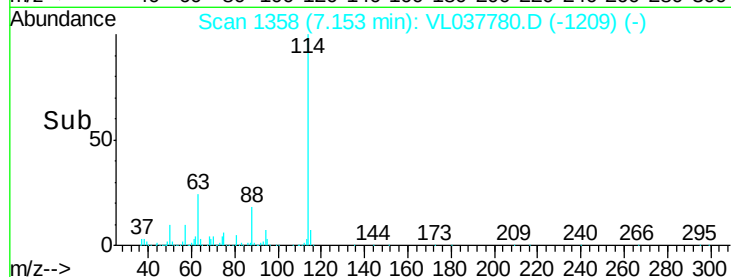
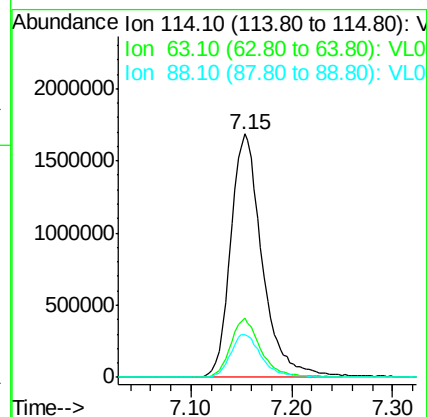
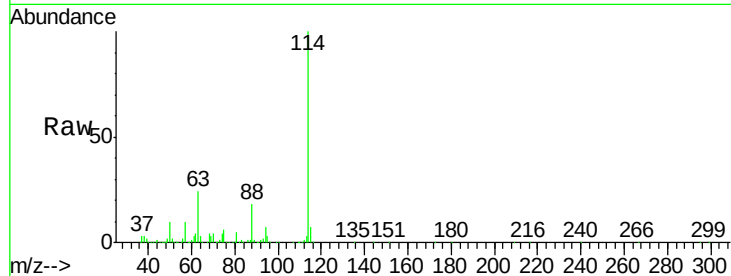
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VL037780.D
 Acq: 5 Oct 2021 19:18

Instrument :
 MSVOA_L
 ClientSampled :
 C0P09

Tgt Ion: 114 Resp: 3671855
 Ion Ratio Lower Upper
 114 100
 63 23.6 19.4 29.2
 88 17.5 14.4 21.6

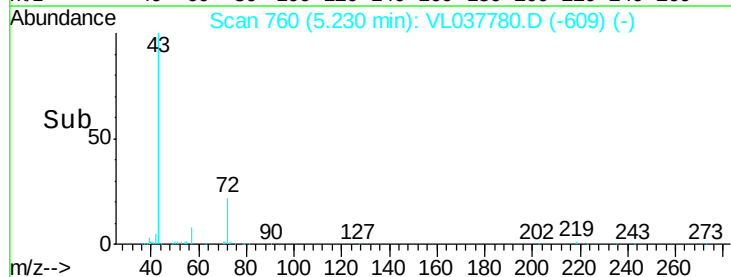
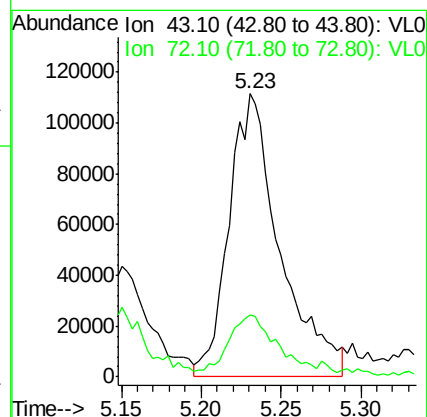
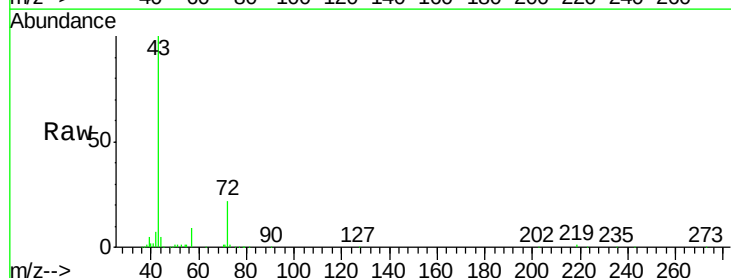
Manual Integrations
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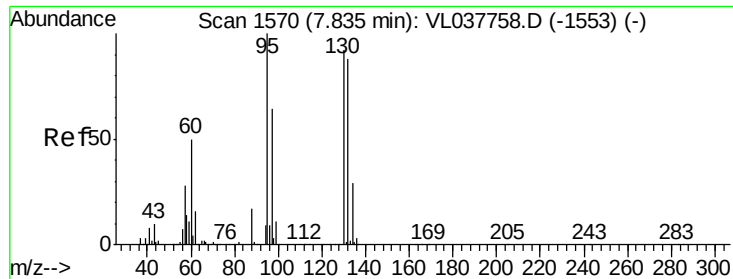
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#34
 2-Butanone
 Concen: 1.676 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037780.D
 Acq: 5 Oct 2021 19:18

Tgt Ion: 43 Resp: 248401
 Ion Ratio Lower Upper
 43 100
 72 24.2 18.2 27.2





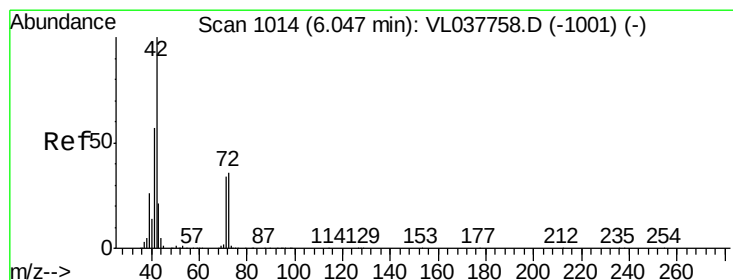
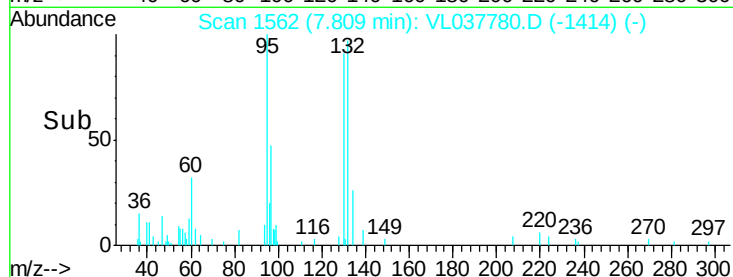
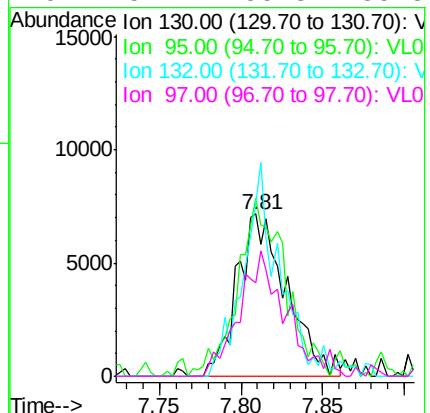
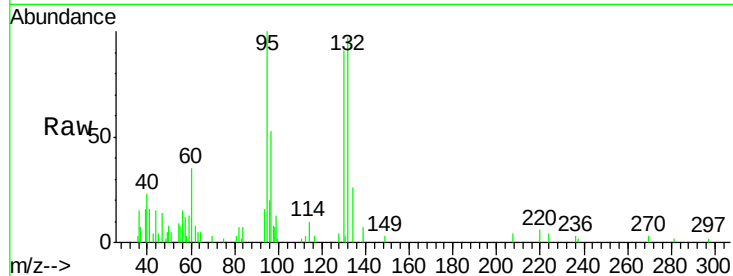
#38
 Trichloroethene
 Concen: 0.122 ppbv m
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: VL037780.D
 Acq: 5 Oct 2021 19:18

Instrument :
 MSVOA_L
 ClientSampled :
 C0P09

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	15176		
95	109.7	87.4	131.0	
132	106.7	76.8	115.2	
97	57.7	55.8	83.8	

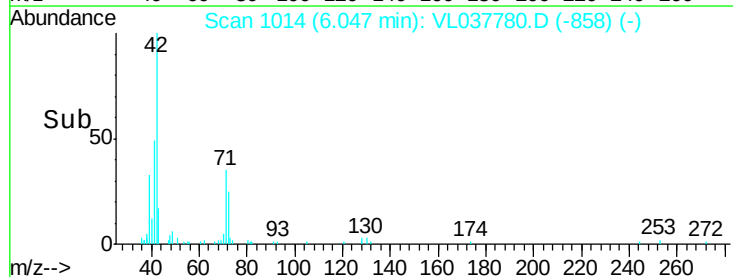
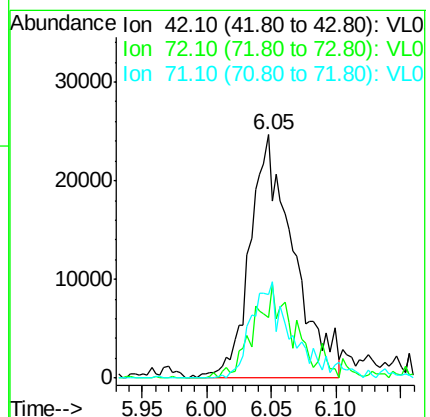
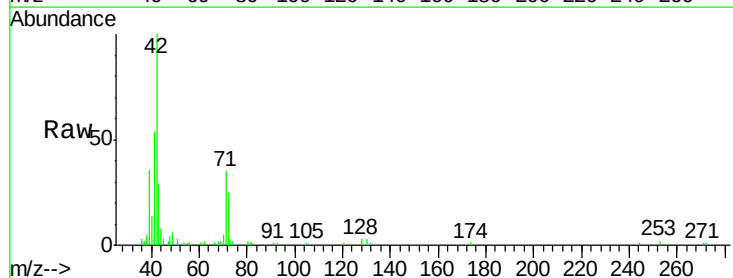
Manual Integrations
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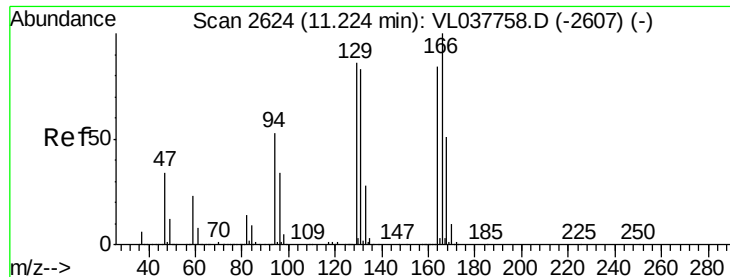
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#41
 Tetrahydrofuran
 Concen: 0.793 ppbv m
 RT: 6.05 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VL037780.D
 Acq: 5 Oct 2021 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	57537		
72	0.0	31.9	47.9#	
71	0.0	30.3	45.5#	





#52

Tetrachloroethene

Concen: 29.840 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Instrument :

MSVOA_L

ClientSampleId :

C0P09

Tgt Ion:164 Resp: 3641021

Ion Ratio Lower Upper

164 100

166 125.8 95.4 143.2

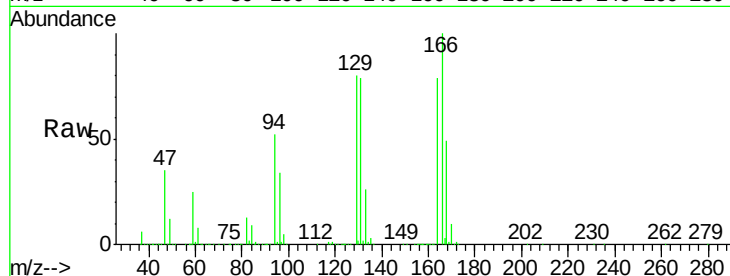
129 101.3 82.2 123.4

131 99.1 79.4 119.2

Manual Integrations
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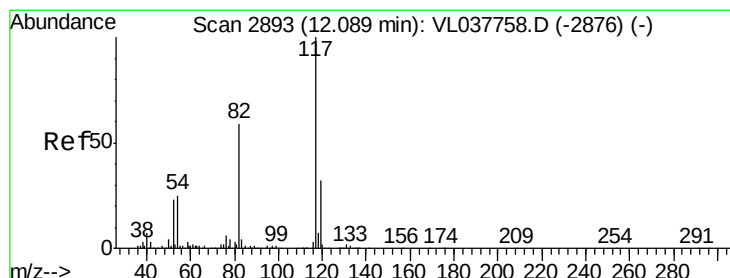
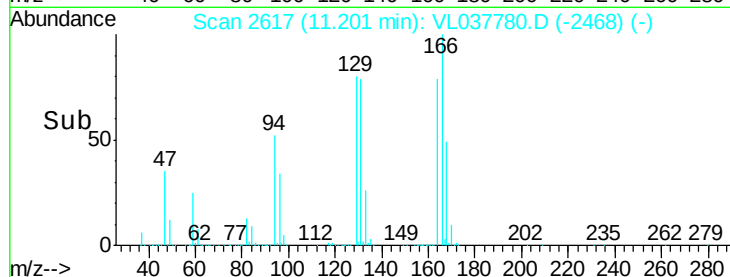
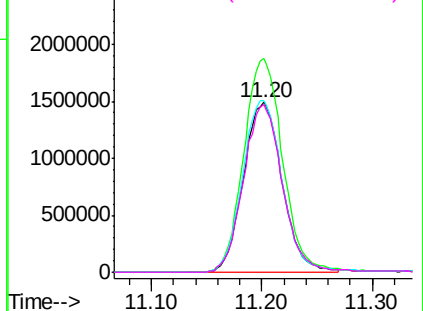


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.03 min

Lab File: VL037780.D

Acq: 5 Oct 2021 19:18

Tgt Ion:117 Resp: 3087928

Ion Ratio Lower Upper

117 100

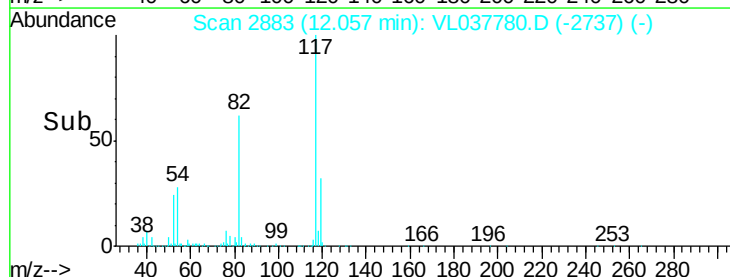
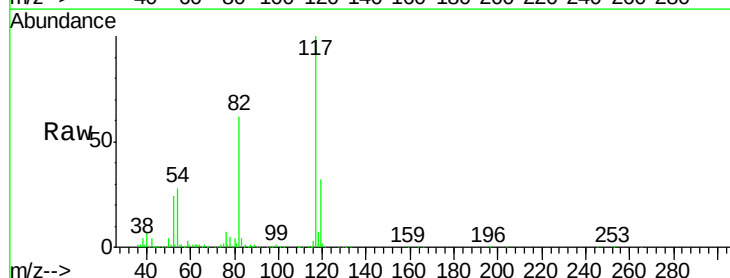
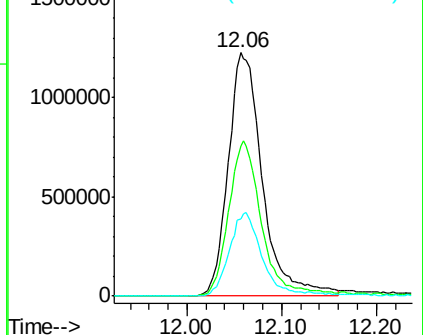
82 62.8 52.2 78.2

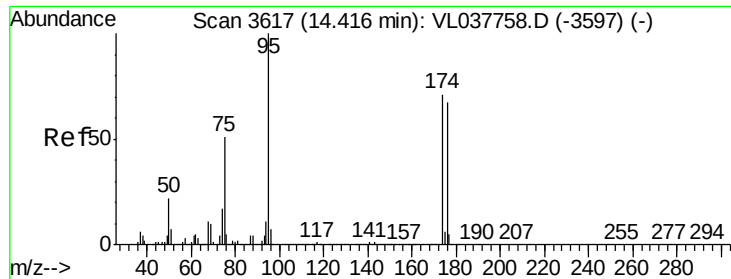
119 34.3 26.0 39.0

Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.931 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.03 min
 Lab File: VL037780.D
 Acq: 5 Oct 2021 19:18

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09

Tgt Ion:	95	Resp:	1928511
Ion	Ratio	Lower	Upper
95	100		
174	80.3	57.8	86.6
175	5.8	4.7	7.1

Manual Integrations
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