

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037806.D
 Acq On : 7 Oct 2021 21:43
 Operator : SY/AP
 Sample : M4079-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06

Manual Integrations
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Quant Time: Oct 08 11:00:41 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	1267824	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3798596	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3181716	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2265792	10.18	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	33527m	0.166	ppbv	
3) Chlorodifluoromethane	2.98	51	33143m	0.136	ppbv	
9) Propene	3.01	41	27566m	0.308	ppbv	
11) Trichlorofluoromethane	3.94	101	42133	0.233	ppbv	96
13) Ethanol	3.60	45	90335m	12.324	ppbv	
15) Acetone	3.84	43	358620	3.151	ppbv	99
19) Isopropyl Alcohol	3.97	45	26978m	0.381	ppbv	
20) Methylene Chloride	4.33	84	103436	1.799	ppbv #	88
26) Hexane	5.67	57	77816m	0.495	ppbv	
29) Chloroform	5.74	83	427554	1.902	ppbv	98
34) 2-Butanone	5.24	43	63299m	0.413	ppbv	
38) Trichloroethene	7.82	130	404183	3.153	ppbv	92
52) Tetrachloroethene	11.22	164	12668967	100.364	ppbv	98
53) Toluene	9.79	91	52521m	0.146	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	53057m	0.139	ppbv	

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

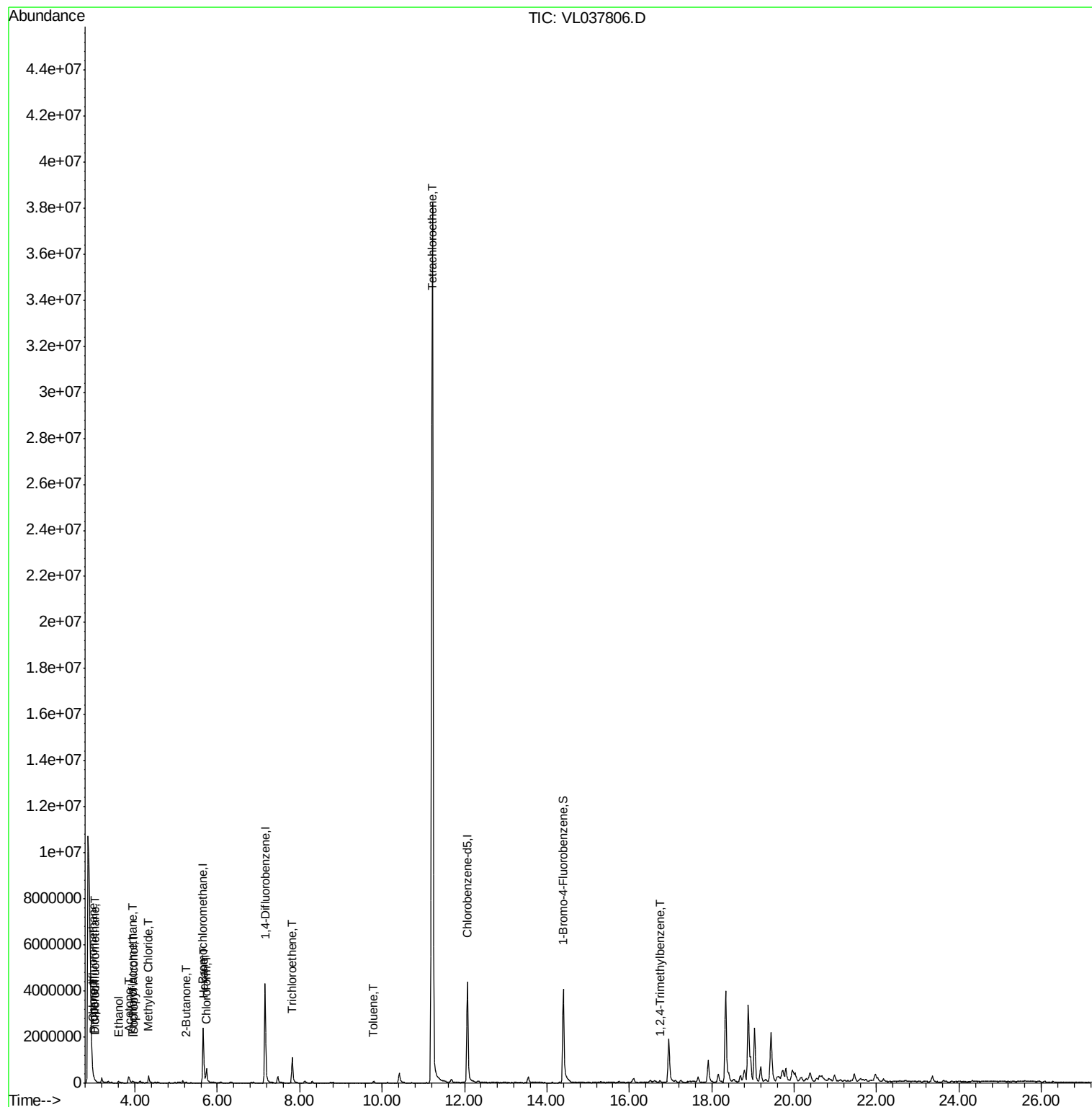
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037806.D
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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

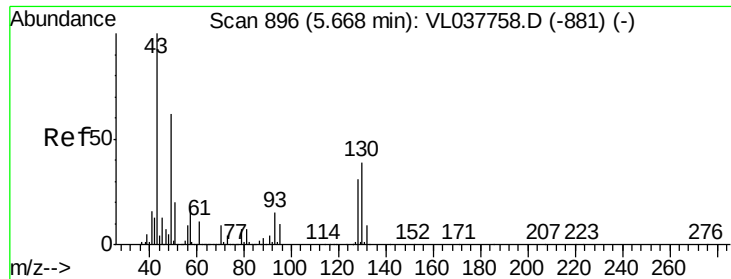
Instrument :
MSVOA_L
ClientSampleId :
C0P06

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Quant Time: Oct 08 11:00:41 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# 892

Delta R.T. -0.01 min

Lab File: VL037806.D

Acq: 7 Oct 2021 21:43

Instrument :

MSVOA_L

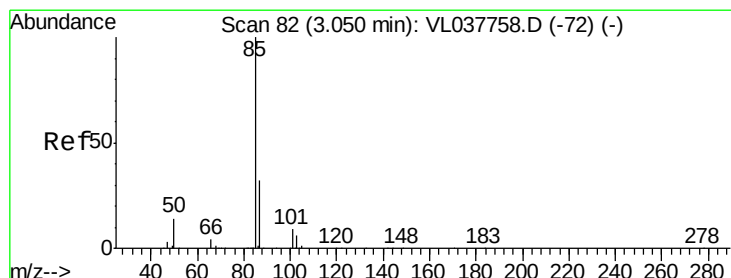
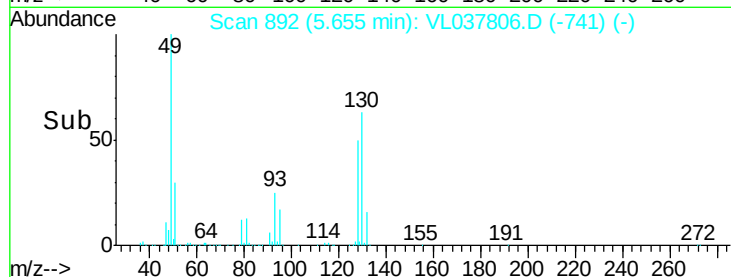
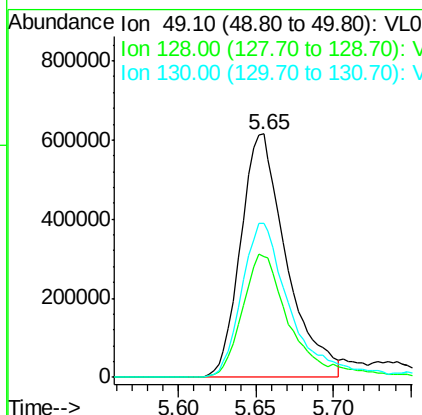
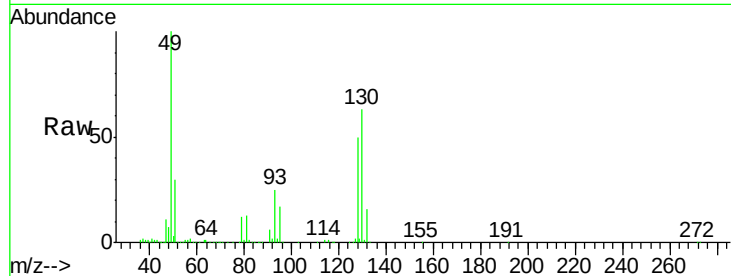
ClientSampled :

C0P06

Tgt Ion:	49	Resp:	1267824
Ion	Ratio	Lower	Upper
49	100		
128	54.9	27.1	81.3
130	69.9	33.2	99.6

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#2

Dichlorodifluoromethane

Concen: 0.166 ppbv m

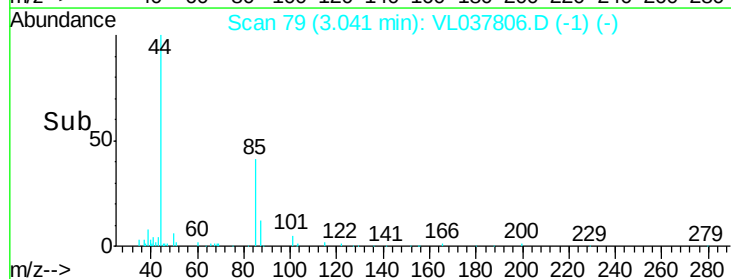
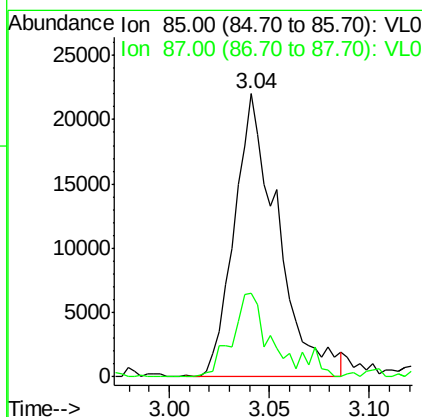
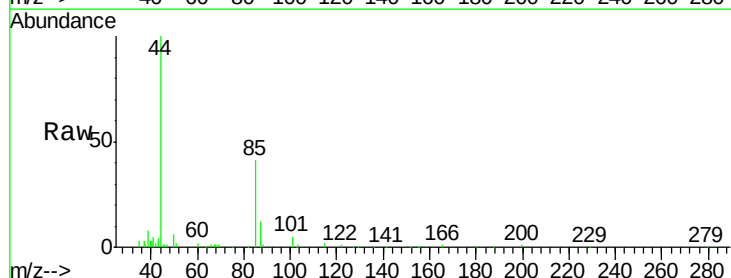
RT: 3.04 min Scan# 79

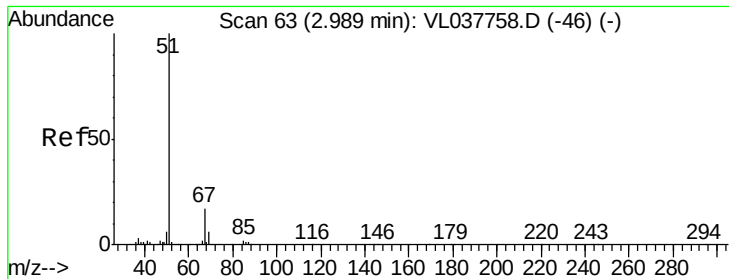
Delta R.T. -0.01 min

Lab File: VL037806.D

Acq: 7 Oct 2021 21:43

Tgt Ion:	85	Resp:	33527
Ion	Ratio	Lower	Upper
85	100		
87	29.8	25.7	38.5





#3

Chlorodifluoromethane

Concen: 0.136 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037806.D

Acq: 7 Oct 2021 21:43

Instrument :

MSVOA_L

ClientSampled :

C0P06

Tgt Ion: 51 Resp: 33143

Ion Ratio Lower Upper

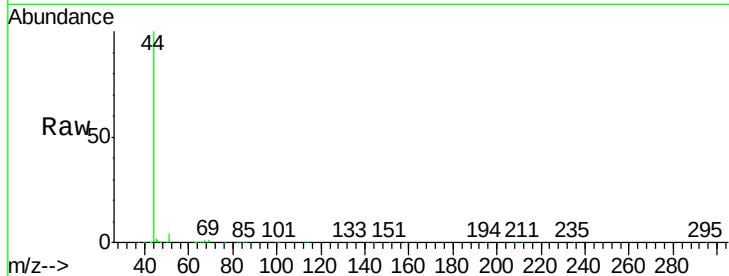
51 100

67 11.9 13.5 20.3#

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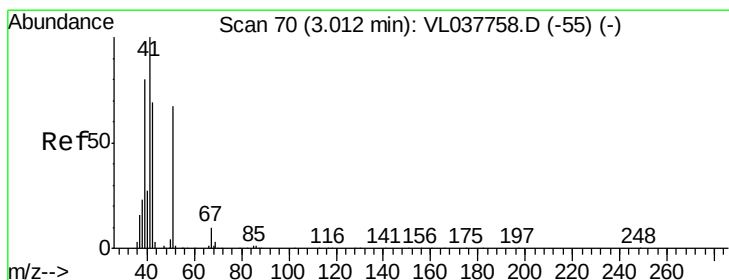
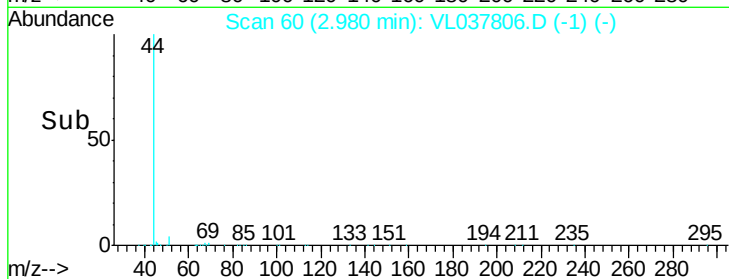
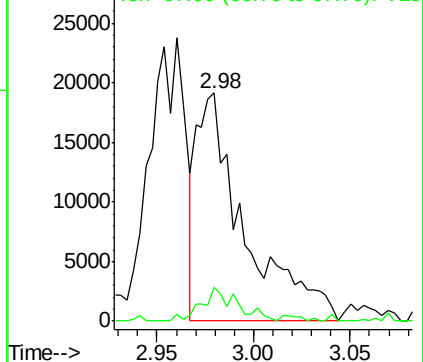
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.308 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037806.D

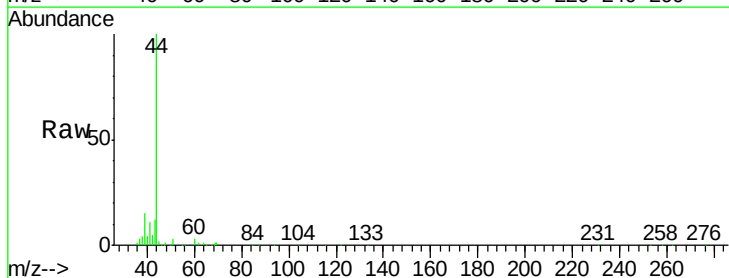
Acq: 7 Oct 2021 21:43

Tgt Ion: 41 Resp: 27566

Ion Ratio Lower Upper

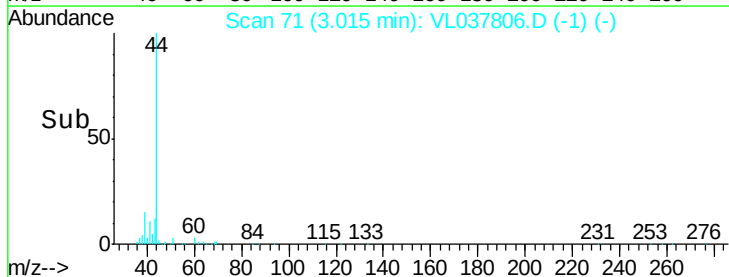
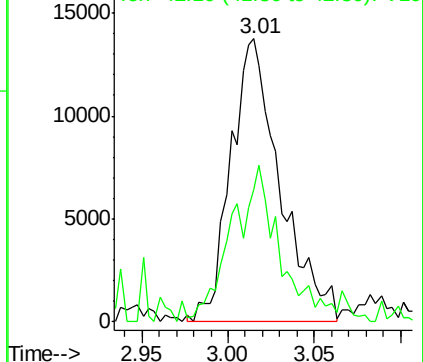
41 100

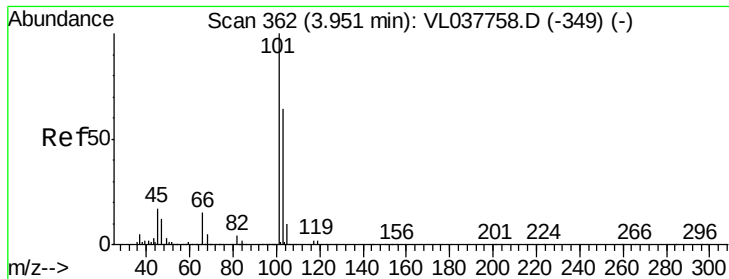
42 61.0 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





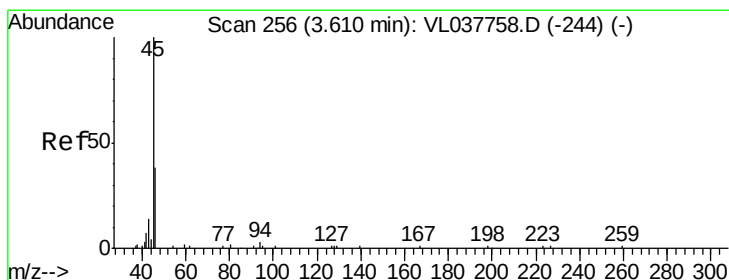
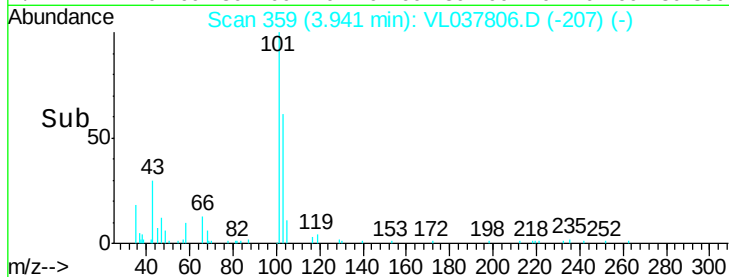
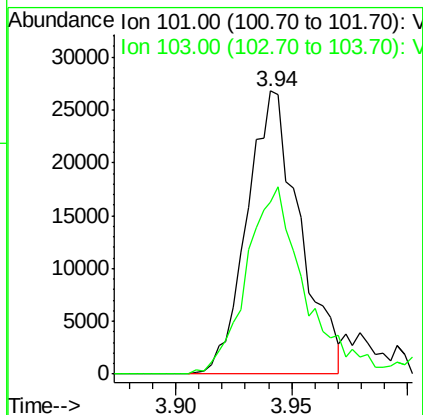
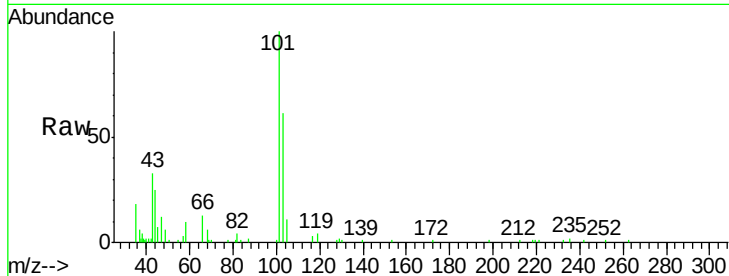
#11
Trichlorofluoromethane
Concen: 0.233 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Instrument :
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ClientSampleId :
C0P06

Tgt Ion: 101 Resp: 42133
Ion Ratio Lower Upper
101 100
103 61.0 51.5 77.3

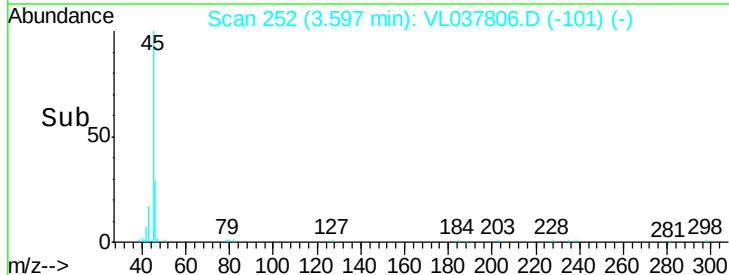
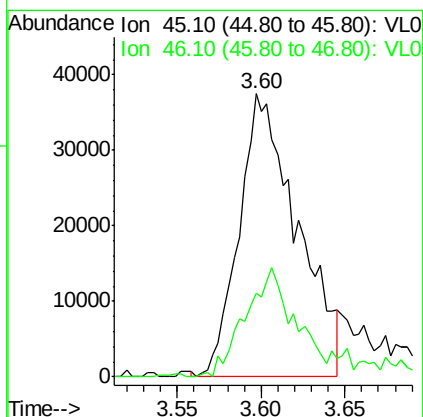
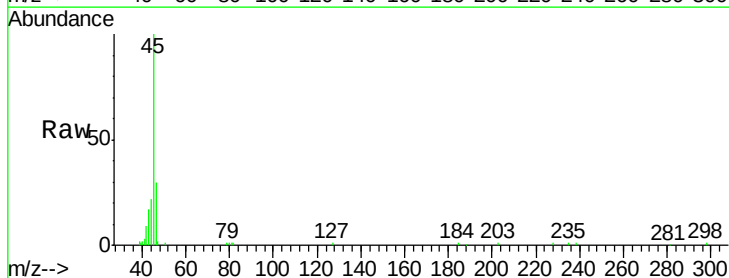
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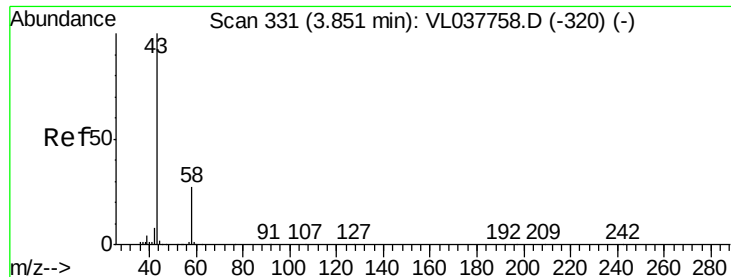
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#13
Ethanol
Concen: 12.324 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion: 45 Resp: 90335
Ion Ratio Lower Upper
45 100
46 43.3 20.2 81.0





#15

Acetone

Concen: 3.151 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL037806.D

Acq: 7 Oct 2021 21:43

Instrument :

MSVOA_L

ClientSampled :

C0P06

Tgt Ion: 43 Resp: 358620

Ion Ratio Lower Upper

43 100

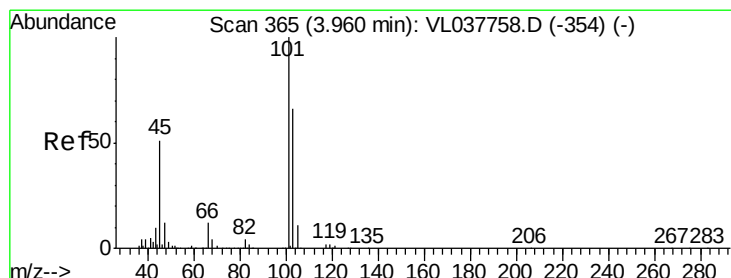
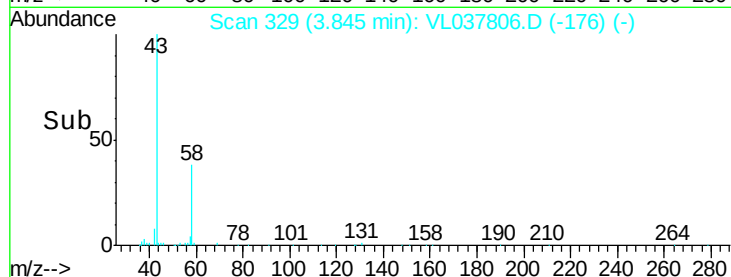
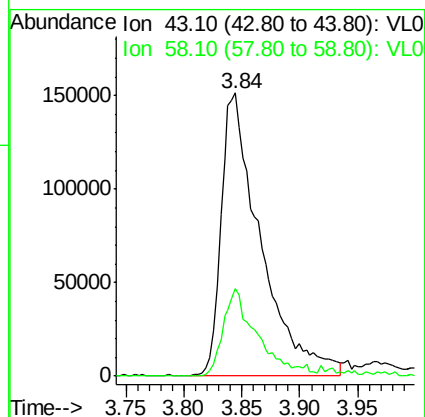
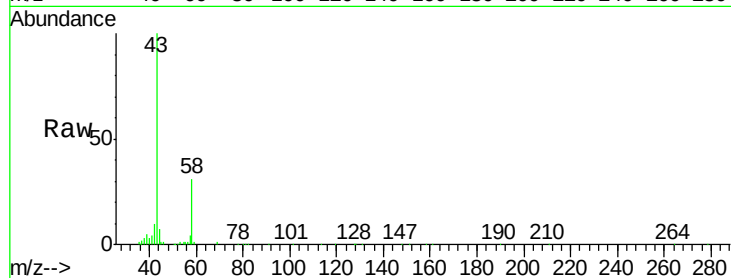
58 29.5 23.0 34.6

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#19

Isopropyl Alcohol

Concen: 0.381 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL037806.D

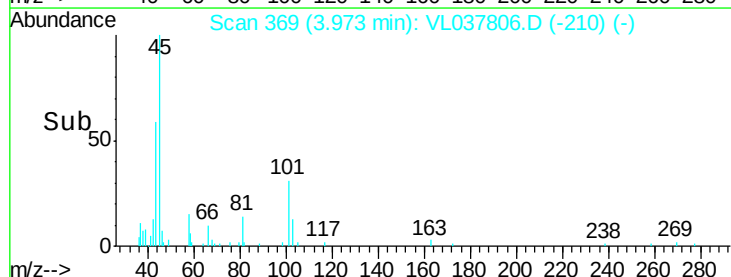
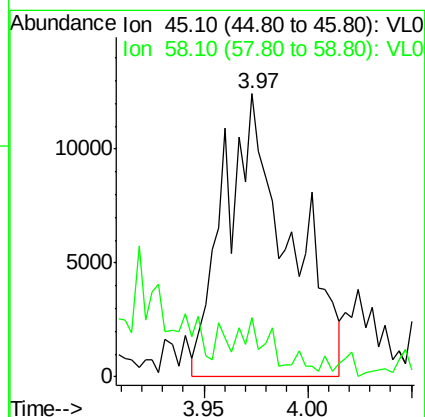
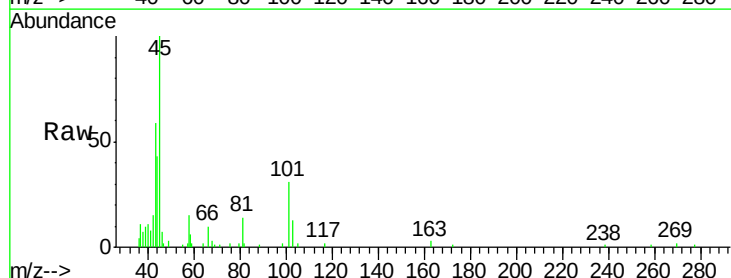
Acq: 7 Oct 2021 21:43

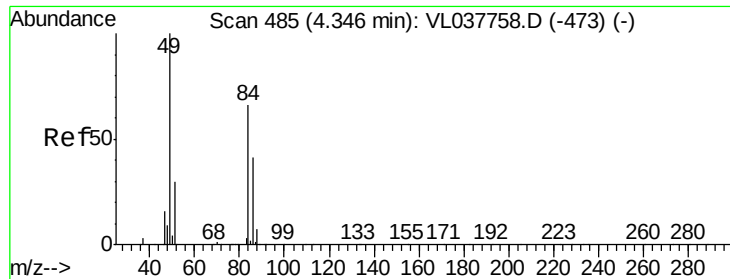
Tgt Ion: 45 Resp: 26978

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#





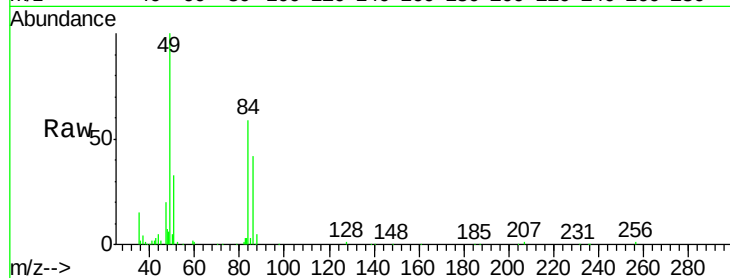
#20
Methylene Chloride
Concen: 1.799 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Instrument :
MSVOA_L
ClientSampled :
C0P06

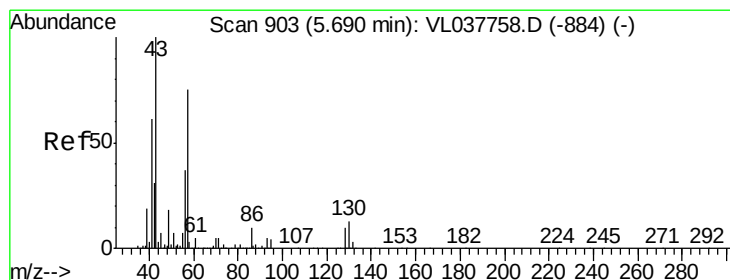
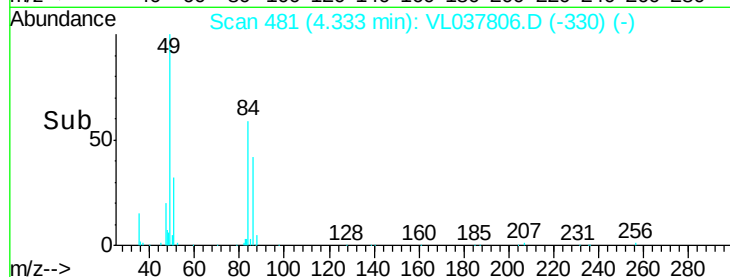
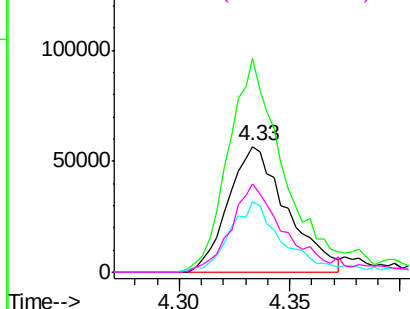
Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.2	120.7	181.1
51	54.6	36.2	54.4#
86	70.0	49.6	74.4

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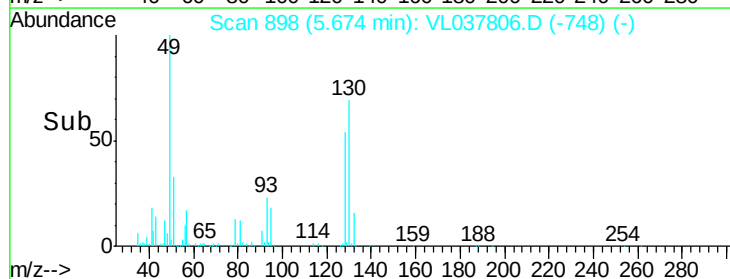
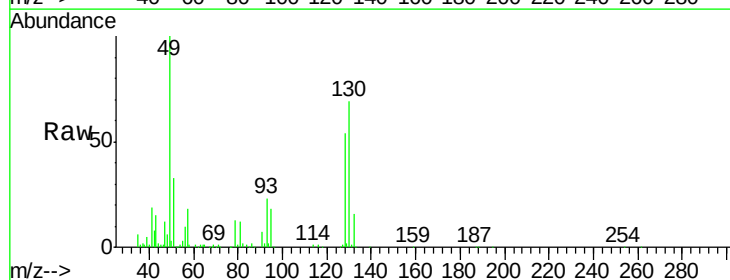
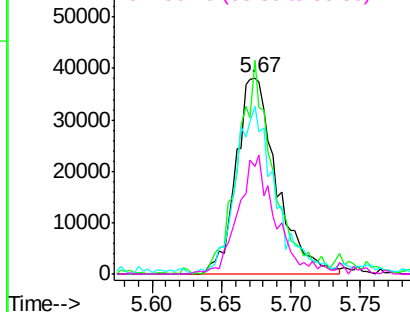
Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

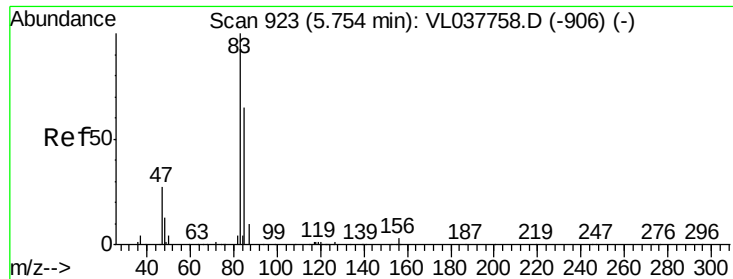


#26
Hexane
Concen: 0.495 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	100.9	69.6	104.4
43	86.7	171.4	257.0#
56	58.0	42.0	63.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





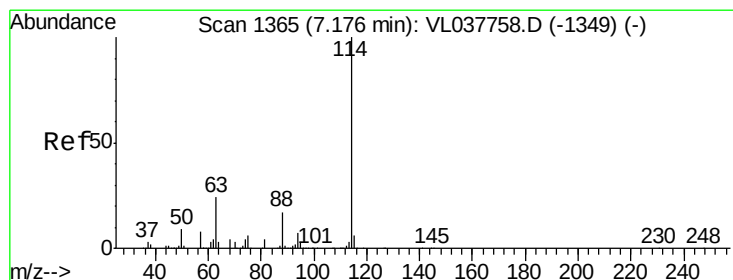
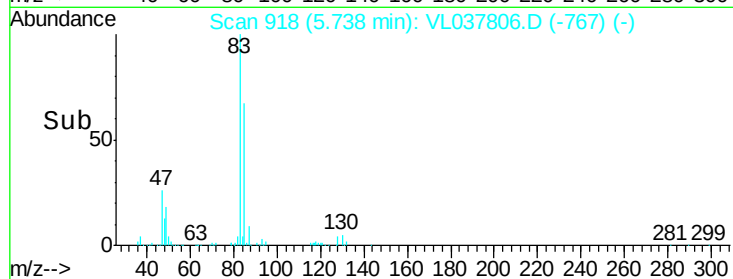
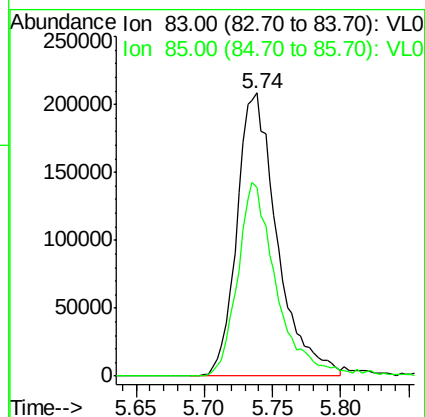
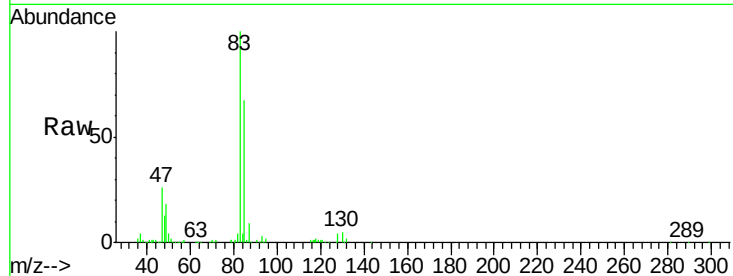
#29
Chloroform
Concen: 1.902 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Instrument :
MSVOA_L
ClientSampleId :
C0P06

Tgt Ion: 83 Resp: 427554
Ion Ratio Lower Upper
83 100
85 66.7 51.8 77.8

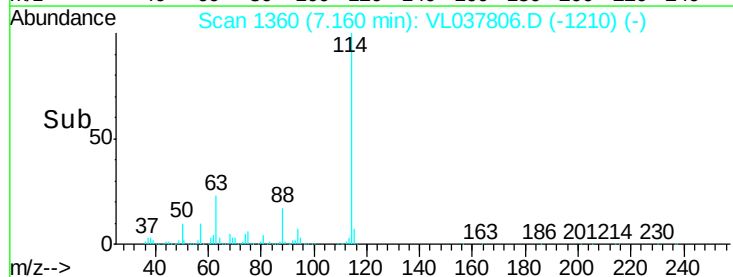
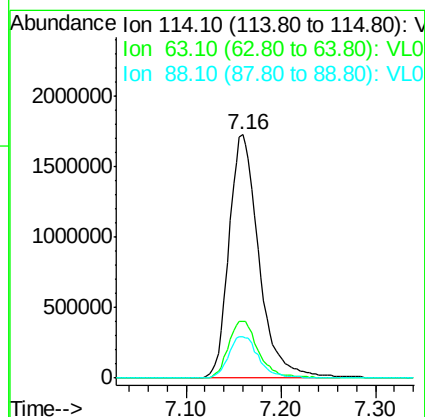
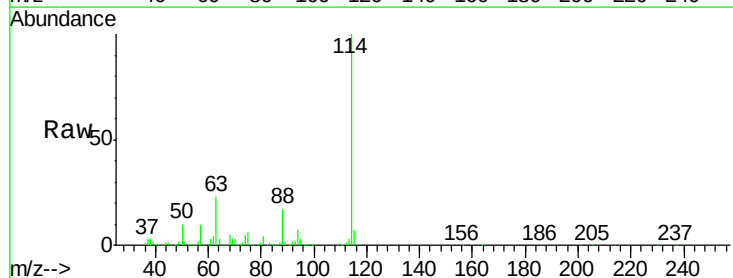
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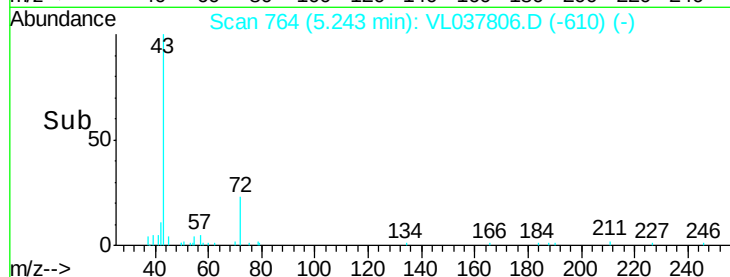
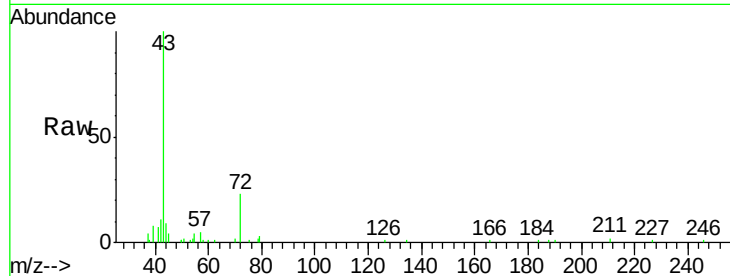
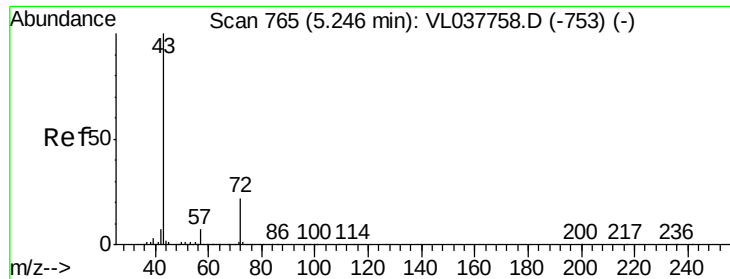
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion: 114 Resp: 3798596
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.2
88 17.6 14.4 21.6





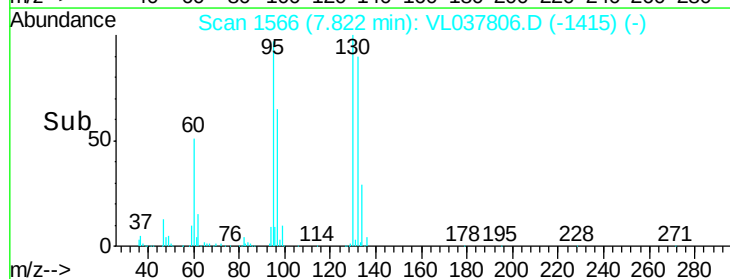
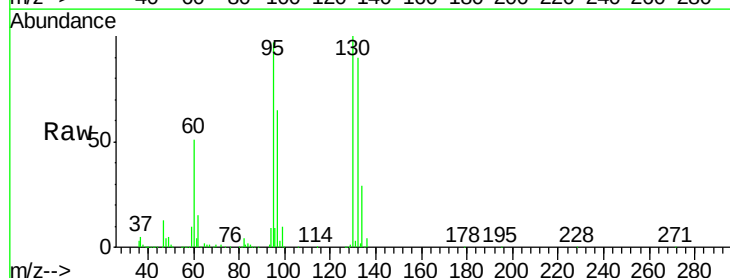
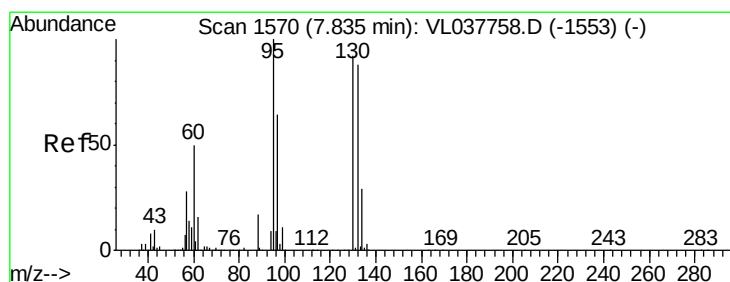
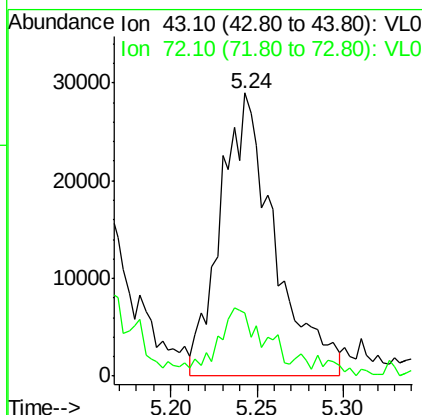
#34
2-Butanone
Concen: 0.413 ppbv m
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion: 43 Resp: 63299
Ion Ratio Lower Upper
43 100
72 26.7 18.2 27.2

Instrument :
MSVOA_L
ClientSampled :
C0P06

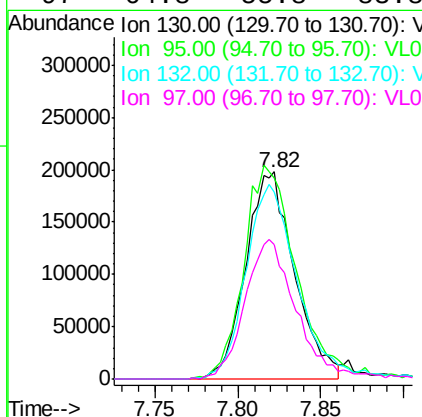
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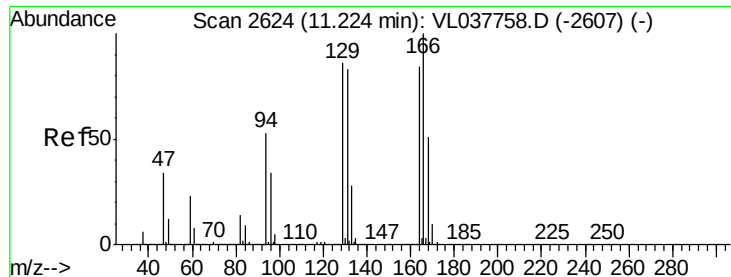
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#38
Trichloroethene
Concen: 3.153 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion: 130 Resp: 404183
Ion Ratio Lower Upper
130 100
95 97.0 87.4 131.0
132 90.2 76.8 115.2
97 64.8 55.8 83.8





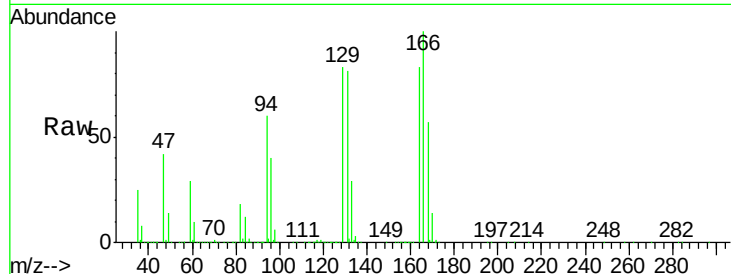
#52
Tetrachloroethene
Concen: 100.364 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Instrument :
MSVOA_L
ClientSampled :
C0P06

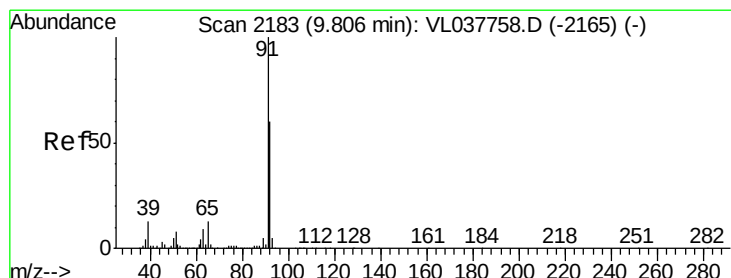
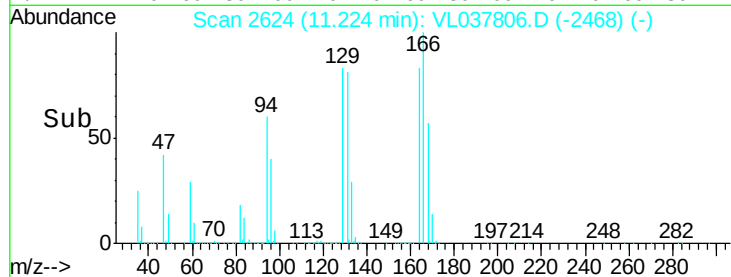
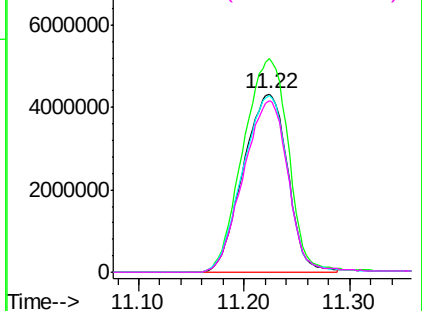
Tgt Ion:164 Resp:12668967
Ion Ratio Lower Upper
164 100
166 120.0 95.4 143.2
129 99.5 82.2 123.4
131 96.7 79.4 119.2

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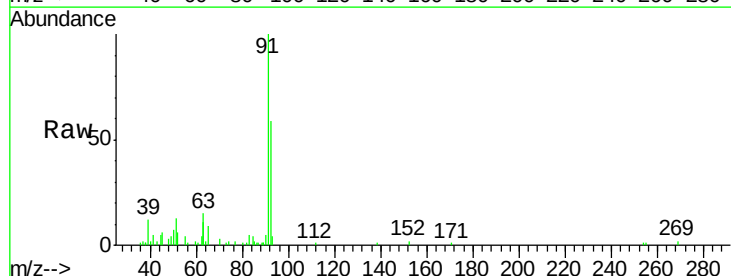


Abundance Ion 163.90 (163.60 to 164.60): V
8000000
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

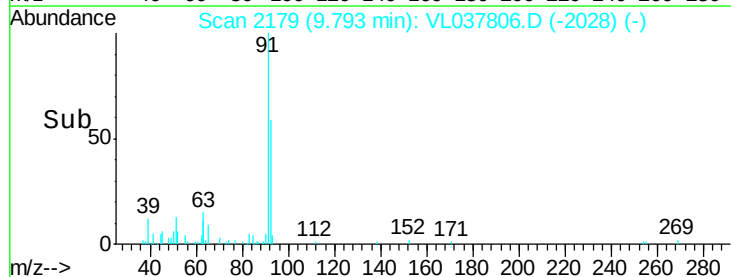
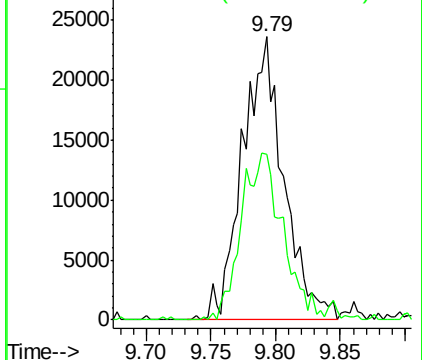


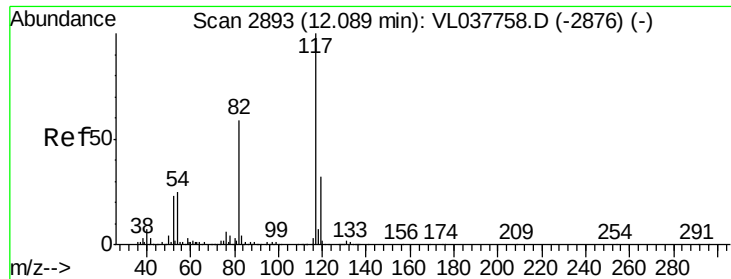
#53
Toluene
Concen: 0.146 ppbv m
RT: 9.79 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion: 91 Resp: 52521
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





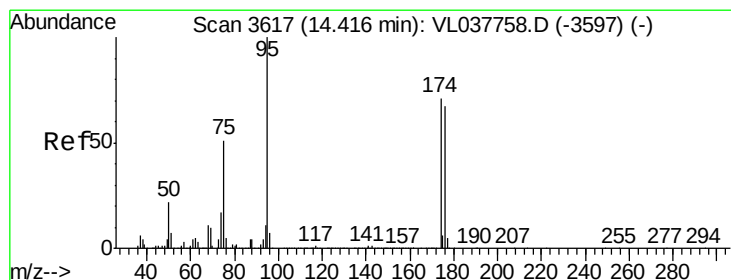
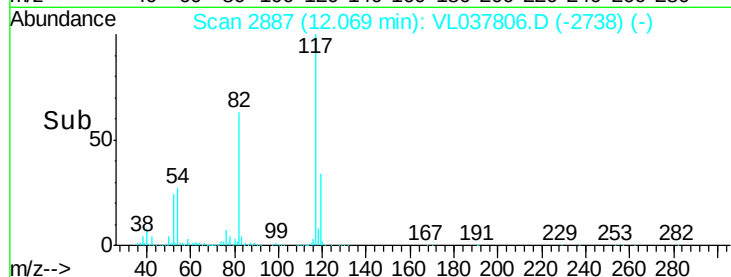
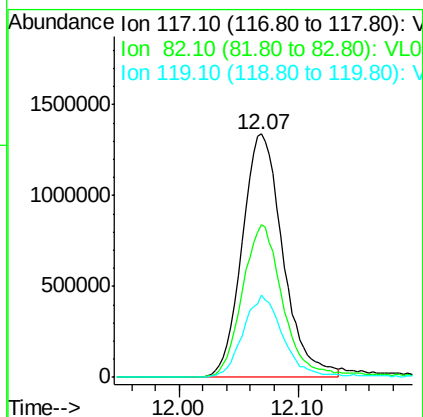
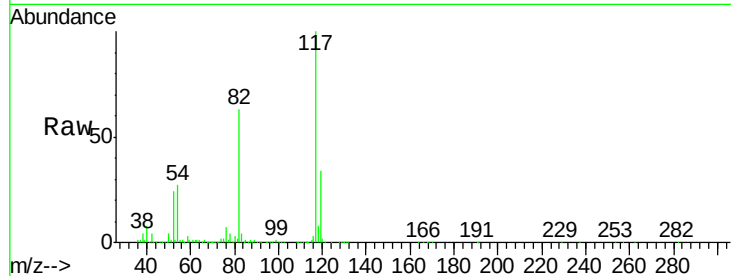
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.02 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Instrument :
MSVOA_L
ClientSampleId :
C0P06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.3	52.2	78.2
119	33.5	26.0	39.0

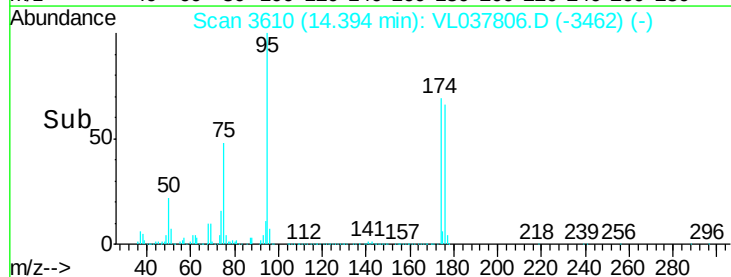
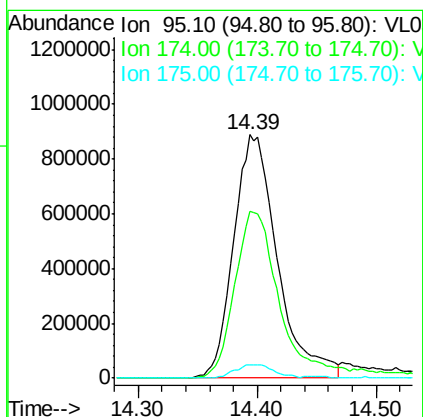
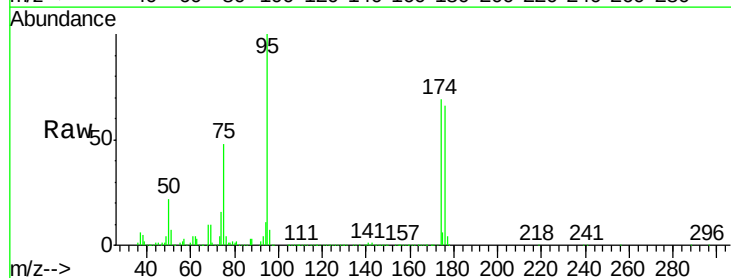
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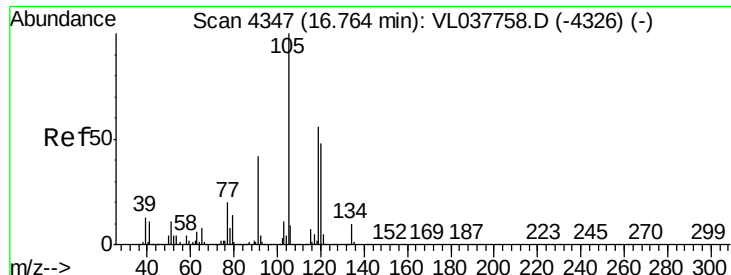
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.183 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL037806.D
Acq: 7 Oct 2021 21:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	57.8	86.6
175	5.0	4.7	7.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.139 ppbv m
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.02 min
 Lab File: VL037806.D
 Acq: 7 Oct 2021 21:43

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	32.4	38.4	57.6#
91	16.0	34.2	51.2#
77	23.4	15.8	23.8

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