

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037812.D
 Acq On : 8 Oct 2021 1:39
 Operator : SY/AP
 Sample : M4079-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P46

Manual Integrations
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Quant Time: Oct 08 11:18:30 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	1326690	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3716956	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3171065	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2281222	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	44785m	0.211	ppbv	
3) Chlorodifluoromethane	2.97	51	360026m	1.412	ppbv	
4) Chloromethane	3.13	50	41252m	0.442	ppbv	
9) Propene	3.02	41	49656m	0.529	ppbv	
11) Trichlorofluoromethane	3.94	101	819345	4.334	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	9474m	0.066	ppbv	
13) Ethanol	3.60	45	13774958	1795.812	ppbv	83
15) Acetone	3.83	43	2282962	19.169	ppbv	100
17) tert-Butyl alcohol	4.30	59	25541	0.208	ppbv	98
19) Isopropyl Alcohol	3.97	45	1360459	18.361	ppbv #	97
20) Methylene Chloride	4.34	84	283959	4.719	ppbv	99
26) Hexane	5.67	57	196652	1.195	ppbv #	61
29) Chloroform	5.74	83	63013	0.268	ppbv	93
34) 2-Butanone	5.24	43	96221	0.641	ppbv #	90
35) Carbon Tetrachloride	7.01	117	13363m	0.063	ppbv	
52) Tetrachloroethene	11.21	164	15940m	0.129	ppbv	
53) Toluene	9.80	91	136554	0.388	ppbv	98
59) m/p-Xylene	12.95	91	49414m	0.135	ppbv	

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

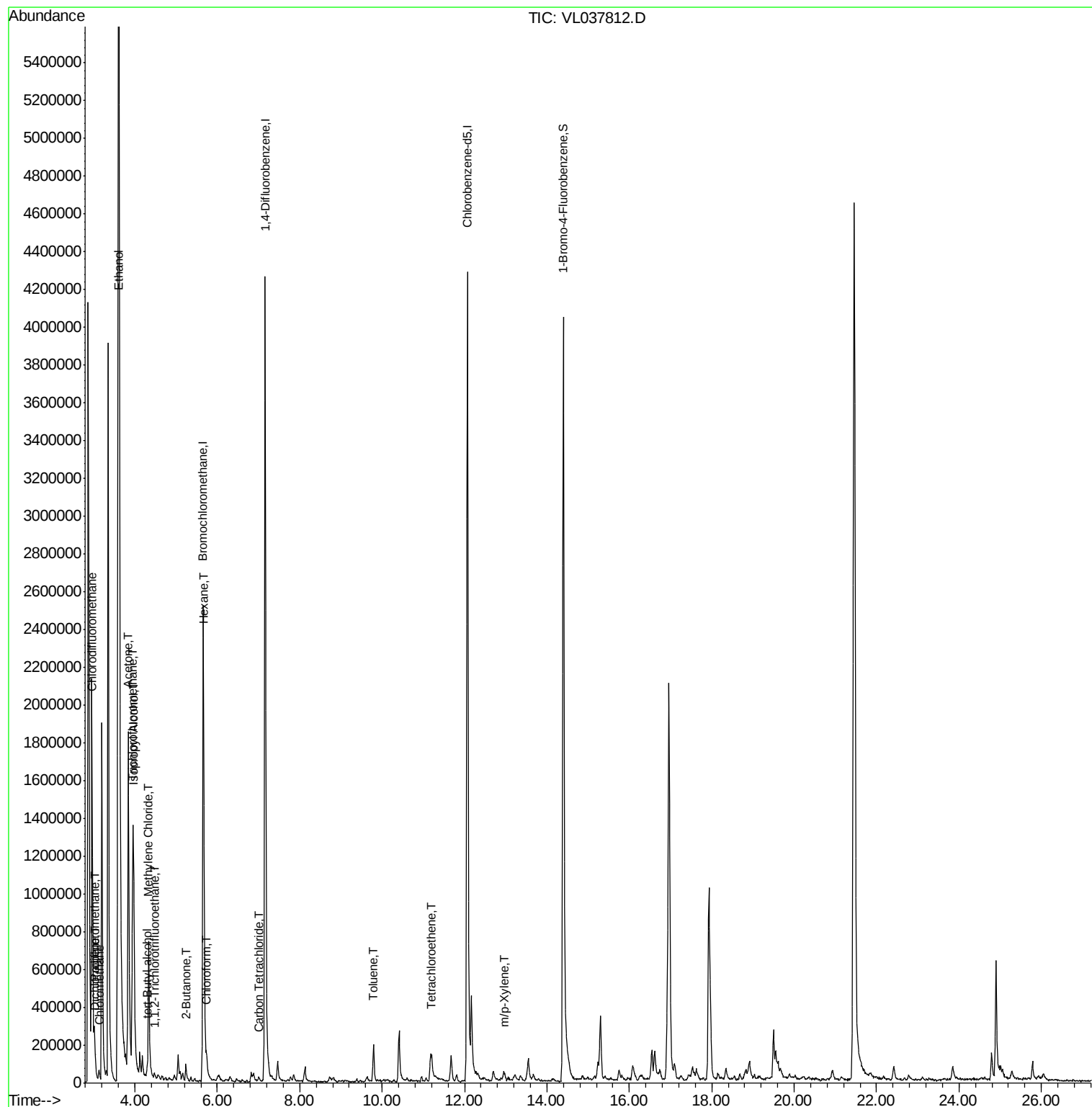
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037812.D
Acq On : 8 Oct 2021 1:39
Operator : SY/AP
Sample : M4079-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

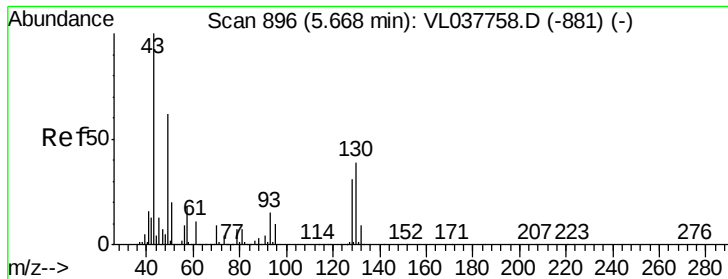
Instrument :
MSVOA_L
ClientSampleId :
C0P46

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Quant Time: Oct 08 11:18:30 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: VL037812.D

Acq: 8 Oct 2021 1:39

Instrument :

MSVOA_L

ClientSampled :

C0P46

Tgt Ion: 49 Resp: 1326690

Ion Ratio Lower Upper

49 100

128 52.2 27.1 81.3

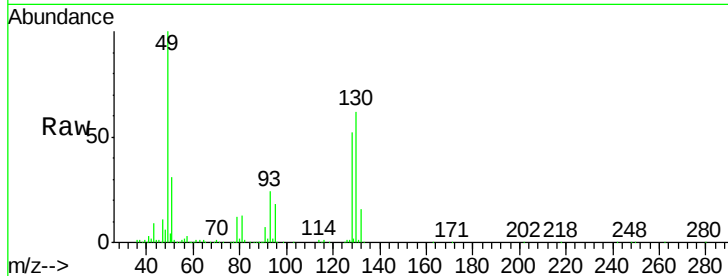
130 67.1 33.2 99.6

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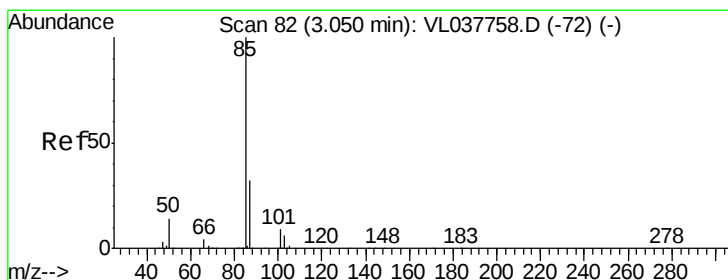
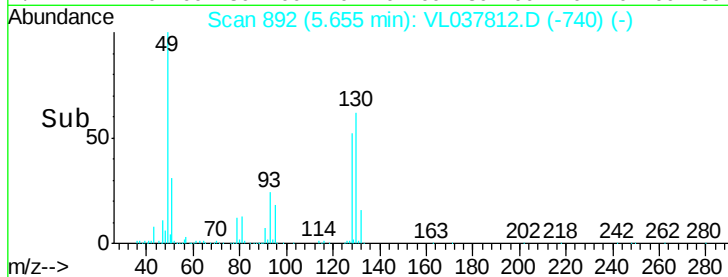
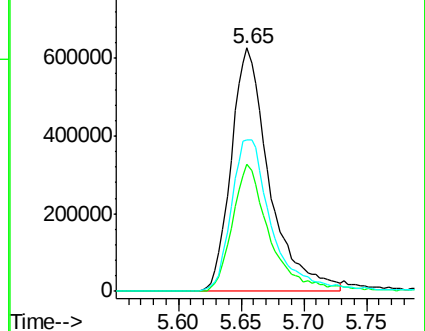
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.211 ppbv m

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037812.D

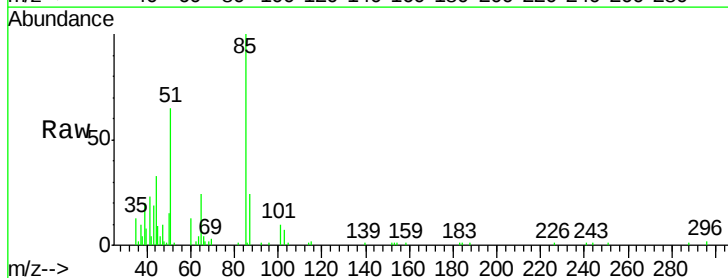
Acq: 8 Oct 2021 1:39

Tgt Ion: 85 Resp: 44785

Ion Ratio Lower Upper

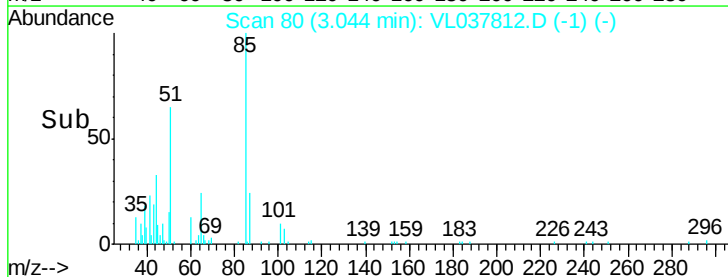
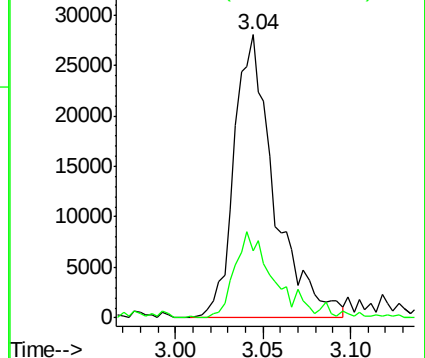
85 100

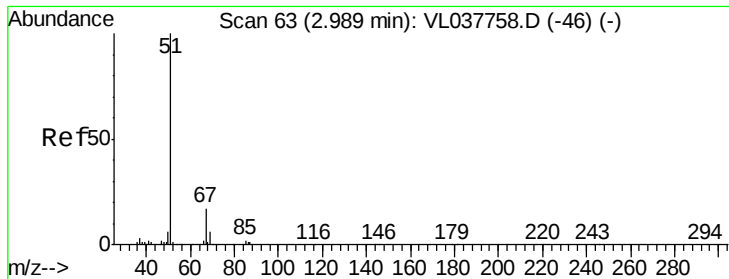
87 23.5 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.412 ppbv m

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL037812.D

Acq: 8 Oct 2021 1:39

Instrument :

MSVOA_L

ClientSampleId :

C0P46

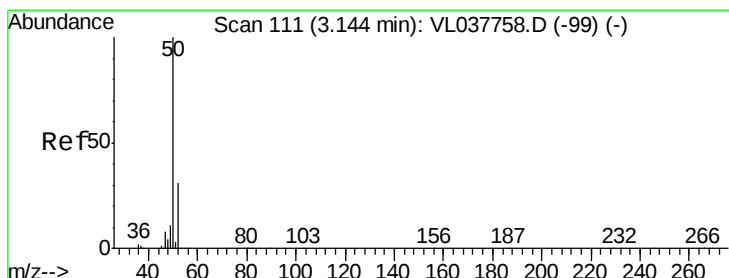
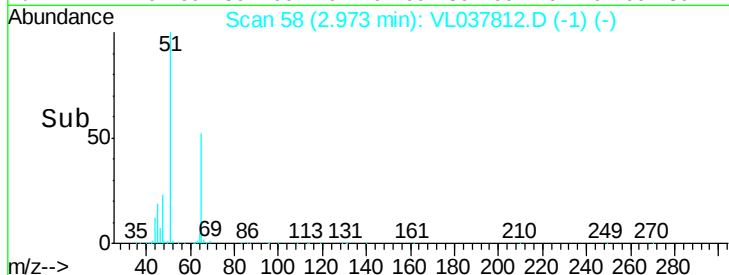
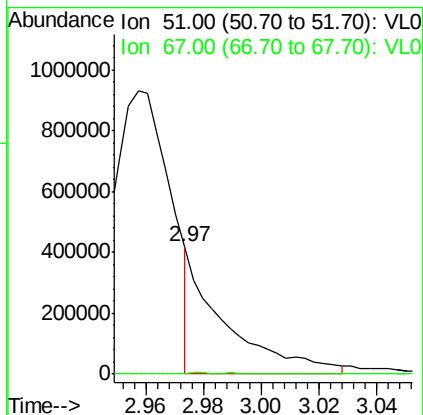
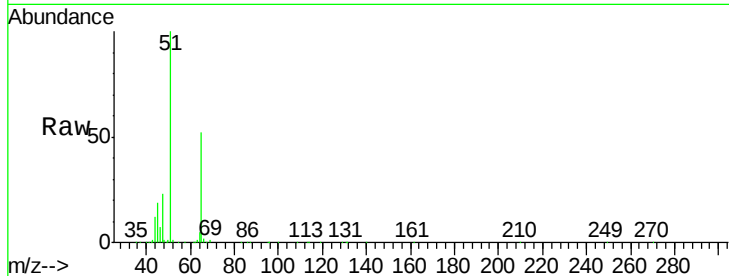
Tgt Ion: 51 Resp: 360026
Ion Ratio Lower Upper

51 100

67 2.3 13.5 20.3#

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#4

Chloromethane

Concen: 0.442 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

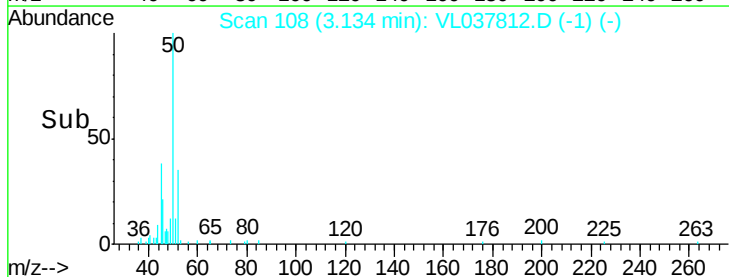
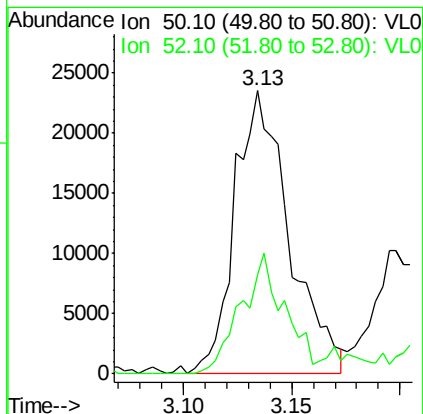
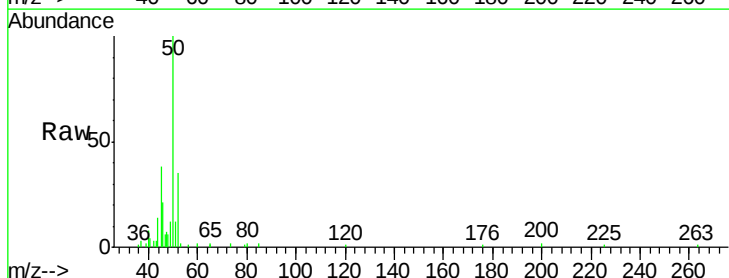
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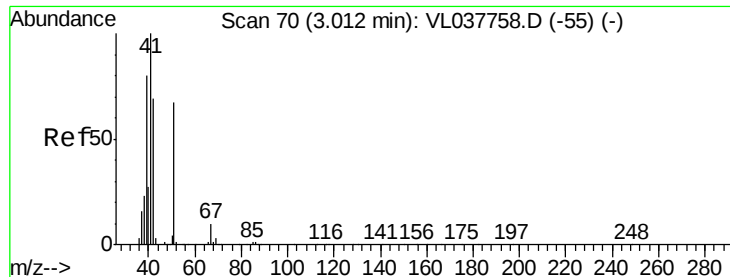
Acq: 8 Oct 2021 1:39

Tgt Ion: 50 Resp: 41252
Ion Ratio Lower Upper

50 100

52 35.0 24.4 36.6





#9

Propene

Concen: 0.529 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037812.D

Acq: 8 Oct 2021 1:39

Instrument :

MSVOA_L

ClientSampleId :

C0P46

Tgt Ion: 41 Resp: 49656

Ion Ratio Lower Upper

41 100

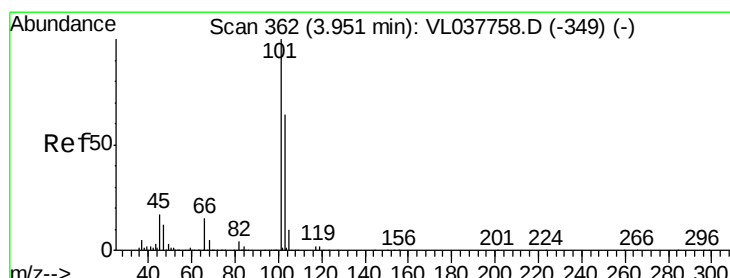
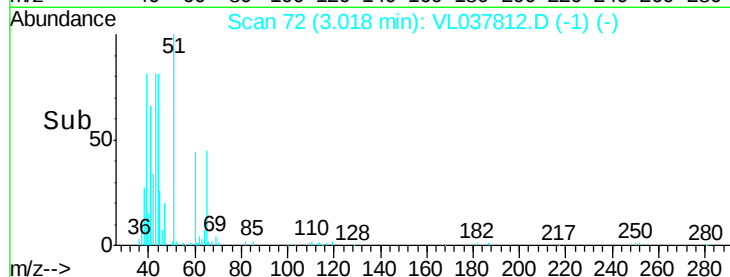
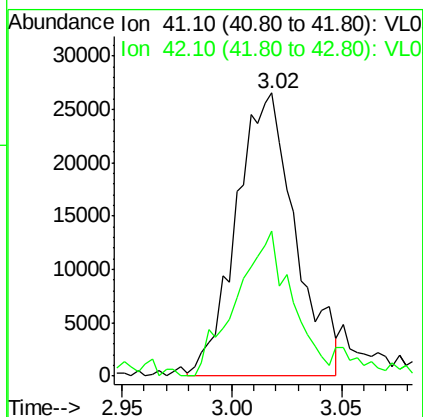
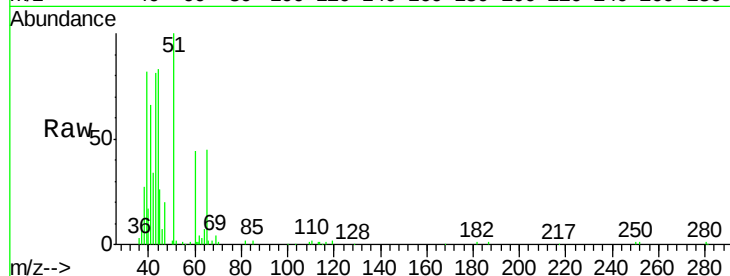
42 909.7 54.2 81.2#

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#11

Trichlorofluoromethane

Concen: 4.334 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL037812.D

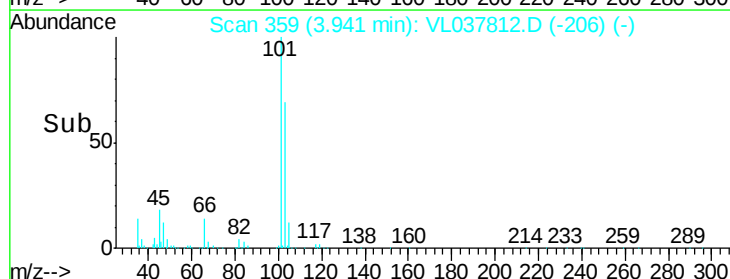
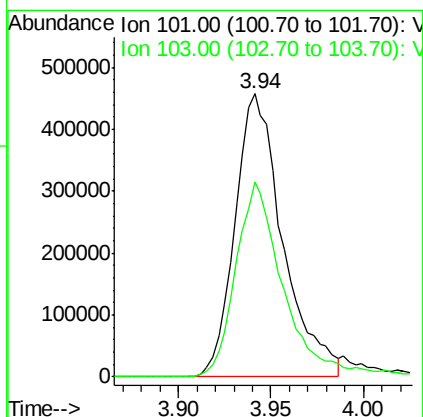
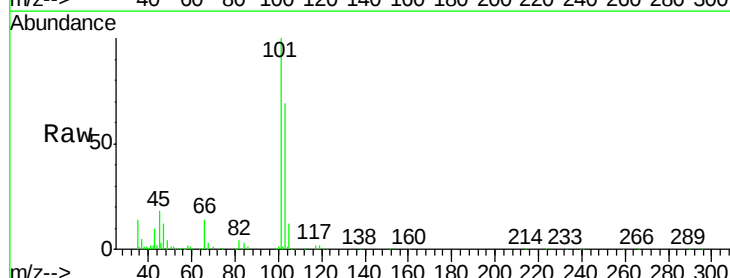
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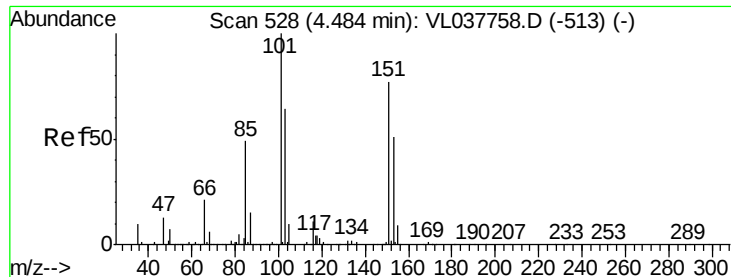
Tgt Ion: 101 Resp: 819345

Ion Ratio Lower Upper

101 100

103 68.7 51.5 77.3





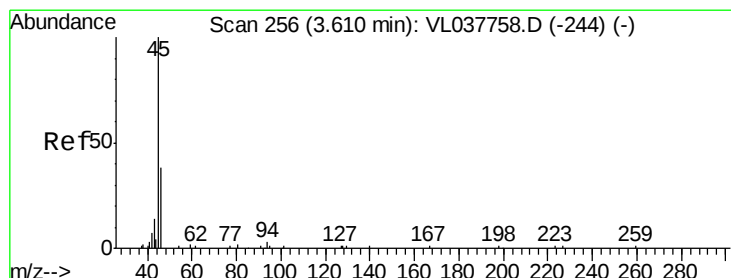
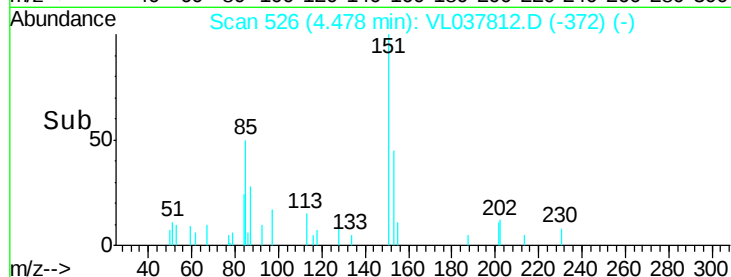
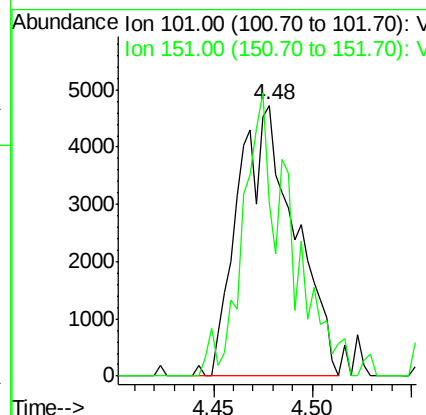
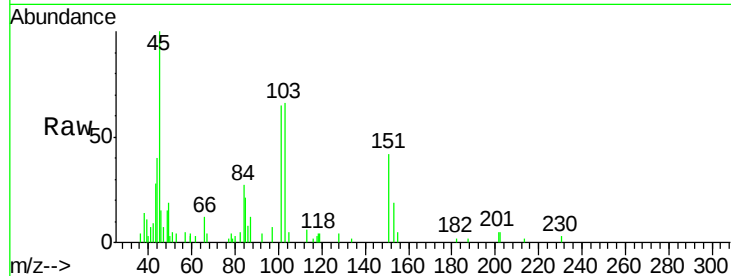
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv m
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Instrument :
MSVOA_L
ClientSampled :
C0P46

Tgt Ion: 101 Resp: 9474
Ion Ratio Lower Upper
101 100
151 87.4 62.9 94.3

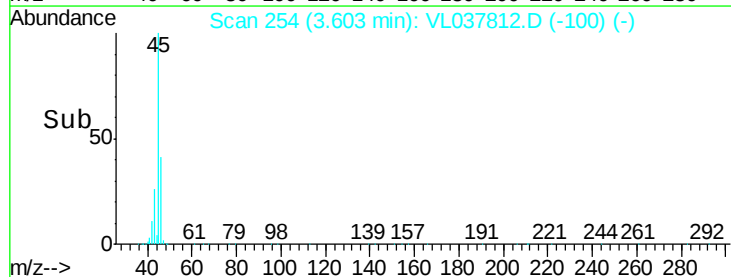
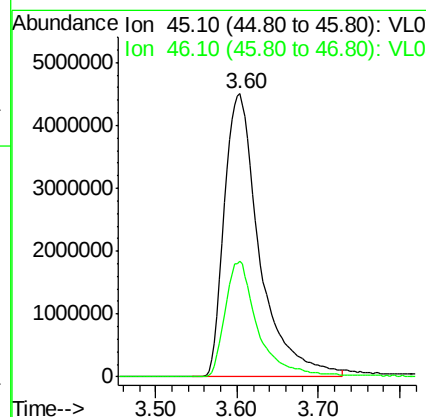
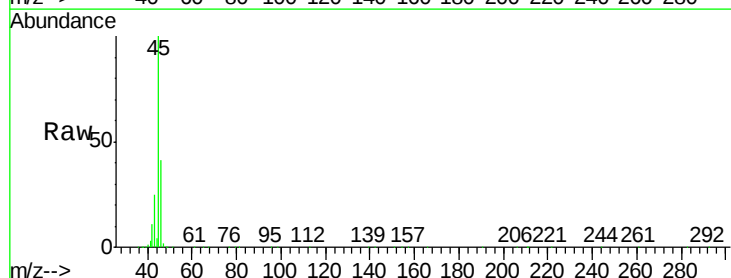
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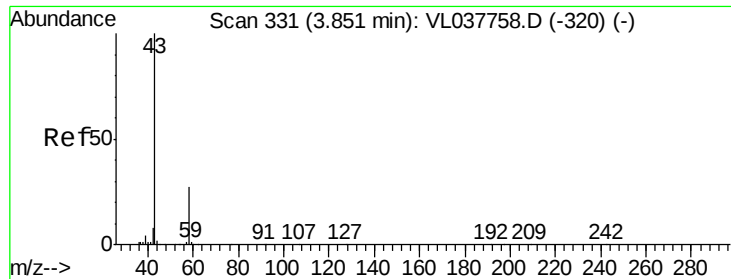
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#13
Ethanol
Concen: 1795.812 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Tgt Ion: 45 Resp: 13774958
Ion Ratio Lower Upper
45 100
46 39.1 20.2 81.0





#15

Acetone

Concen: 19.169 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL037812.D

Acq: 8 Oct 2021 1:39

Instrument :

MSVOA_L

ClientSampleId :

C0P46

Tgt Ion: 43 Resp: 2282962

Ion Ratio Lower Upper

43 100

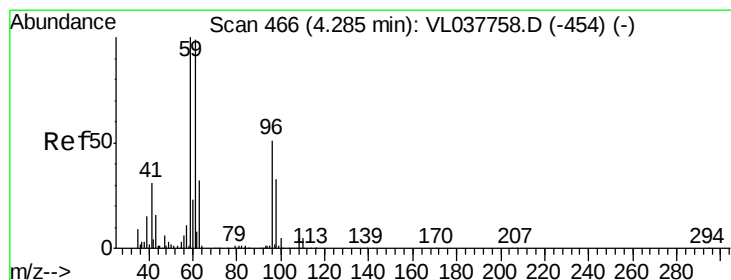
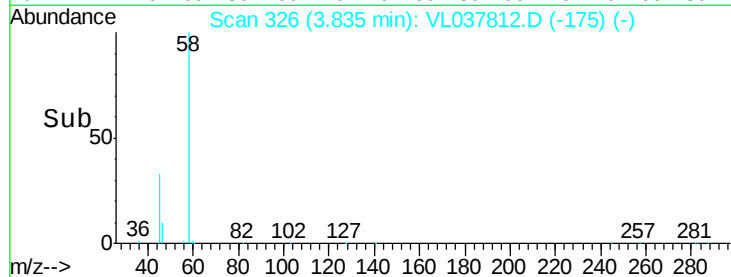
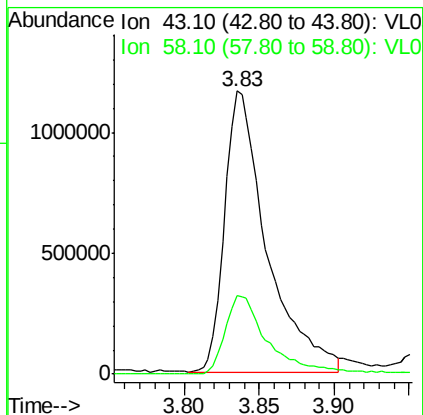
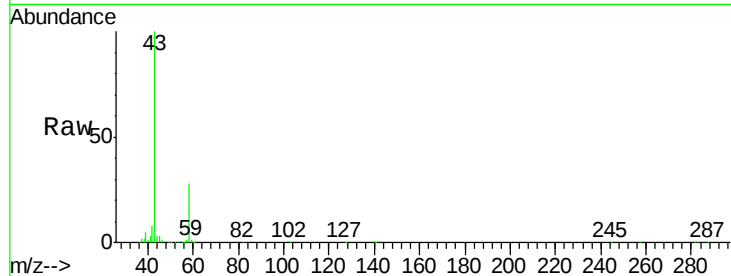
58 28.8 23.0 34.6

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#17

tert-Butyl alcohol

Concen: 0.208 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037812.D

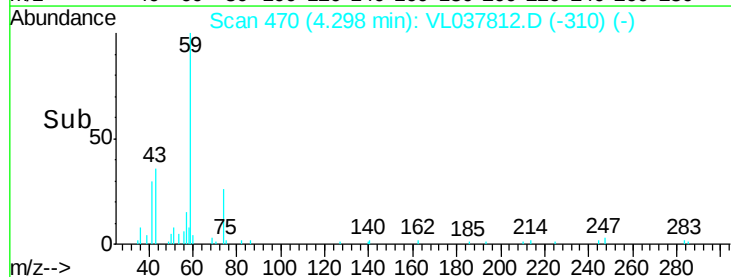
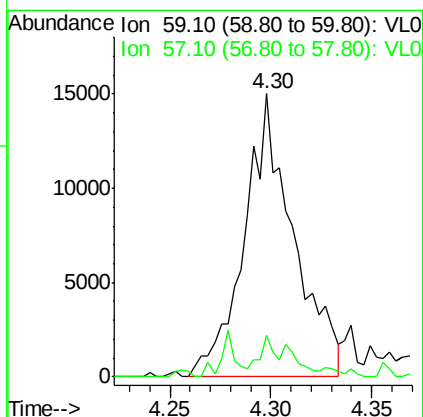
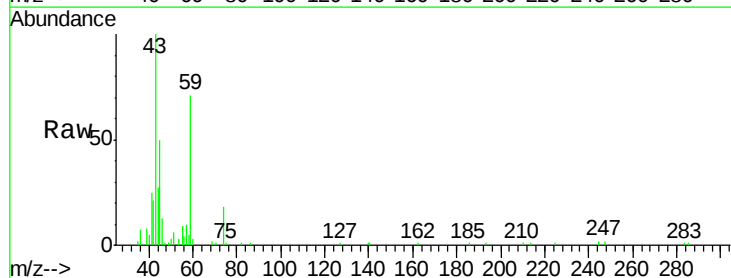
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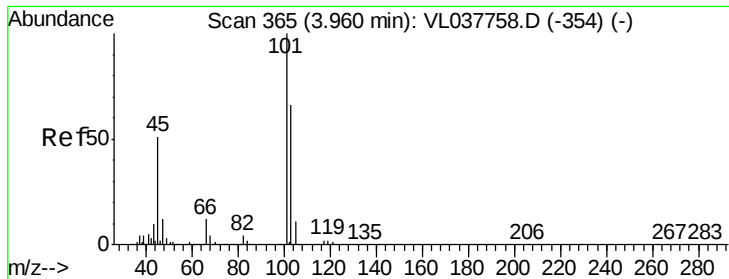
Tgt Ion: 59 Resp: 25541

Ion Ratio Lower Upper

59 100

57 10.0 8.6 13.0





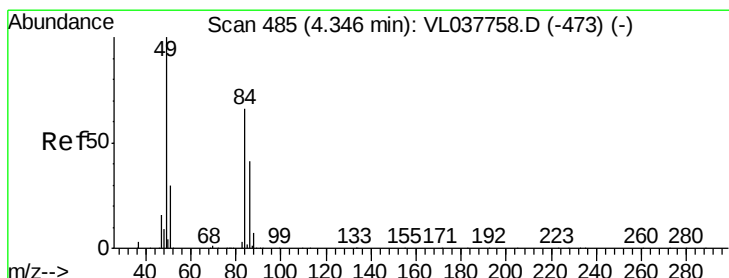
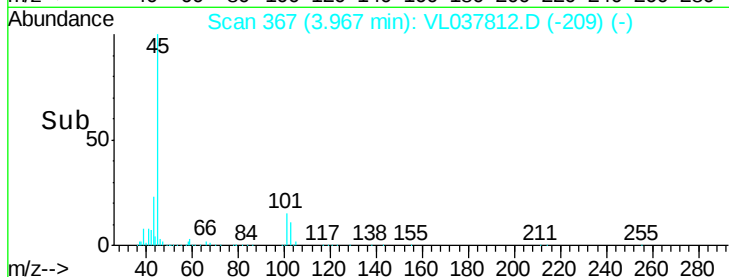
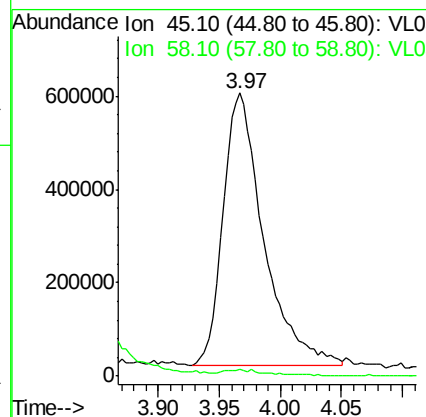
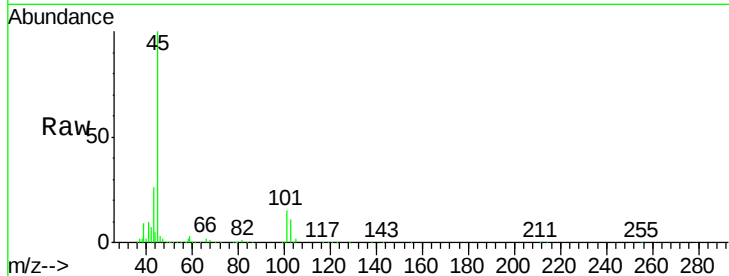
#19
Isopropyl Alcohol
Concen: 18.361 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Instrument :
MSVOA_L
ClientSampleId :
C0P46

Tgt Ion: 45 Resp: 1360459
Ion Ratio Lower Upper
45 100
58 2.7 1.1 1.7#

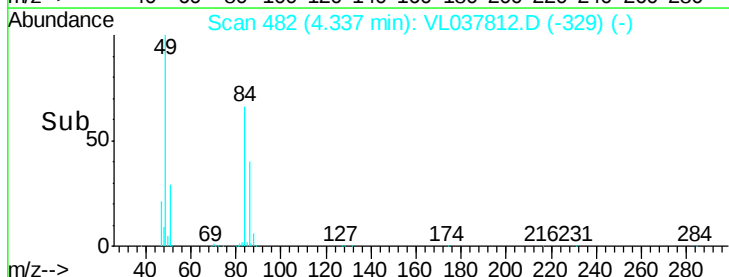
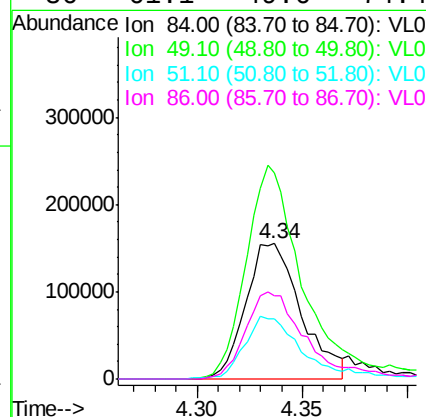
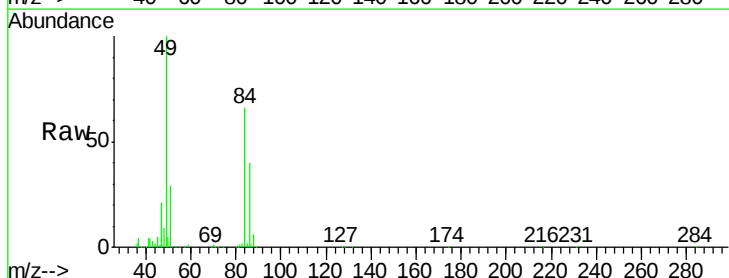
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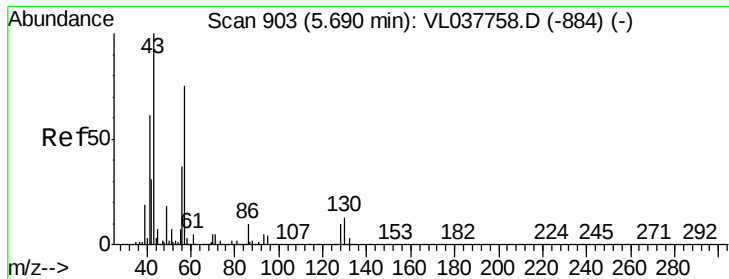
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#20
Methylene Chloride
Concen: 4.719 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Tgt Ion: 84 Resp: 283959
Ion Ratio Lower Upper
84 100
49 151.9 120.7 181.1
51 44.3 36.2 54.4
86 61.1 49.6 74.4





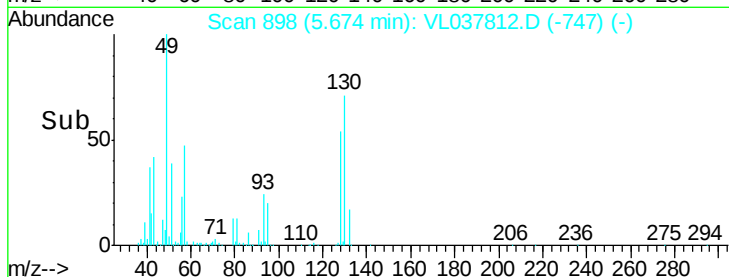
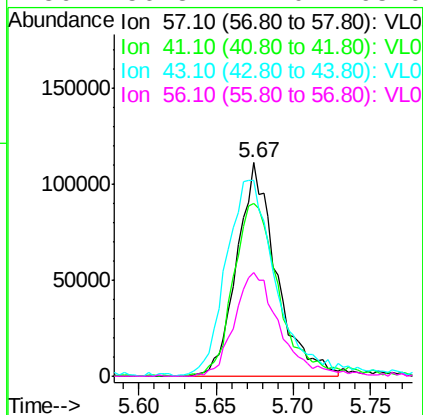
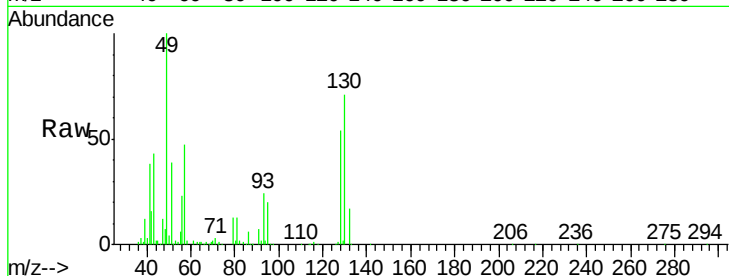
#26
Hexane
Concen: 1.195 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Instrument :
MSVOA_L
ClientSampleId :
C0P46

Tgt Ion	Ratio	Resp Lower	Resp Upper
57	100		
41	95.1	69.6	104.4
43	119.1	171.4	257.0#
56	56.8	42.0	63.0

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#29
Chloroform
Concen: 0.268 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL037812.D
Acq: 8 Oct 2021 1:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	59.2	51.8	77.8

