

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037677.D
 Acq On : 27 Sep 2021 12:43
 Operator : SY/AP
 Sample : QC092221 CAN 10492
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC092221 CAN 10492

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:04:50 AM

Quant Time: Sep 28 02:13:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1635130	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4801189	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4025923	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2853409	9.81	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.26	62	6240m	0.058	ppbv	
9) Propene	3.01	41	18334m	0.169	ppbv	
15) Acetone	3.88	43	25805m	0.152	ppbv	
20) Methylene Chloride	4.34	84	27062m	0.334	ppbv	
26) Hexane	5.69	57	27668m	0.142	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	11057m	0.042	ppbv	
35) Carbon Tetrachloride	7.02	117	10452m	0.038	ppbv	
38) Trichloroethene	7.84	130	8840m	0.053	ppbv	
52) Tetrachloroethene	11.21	164	6847m	0.045	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	15362m	0.044	ppbv	

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

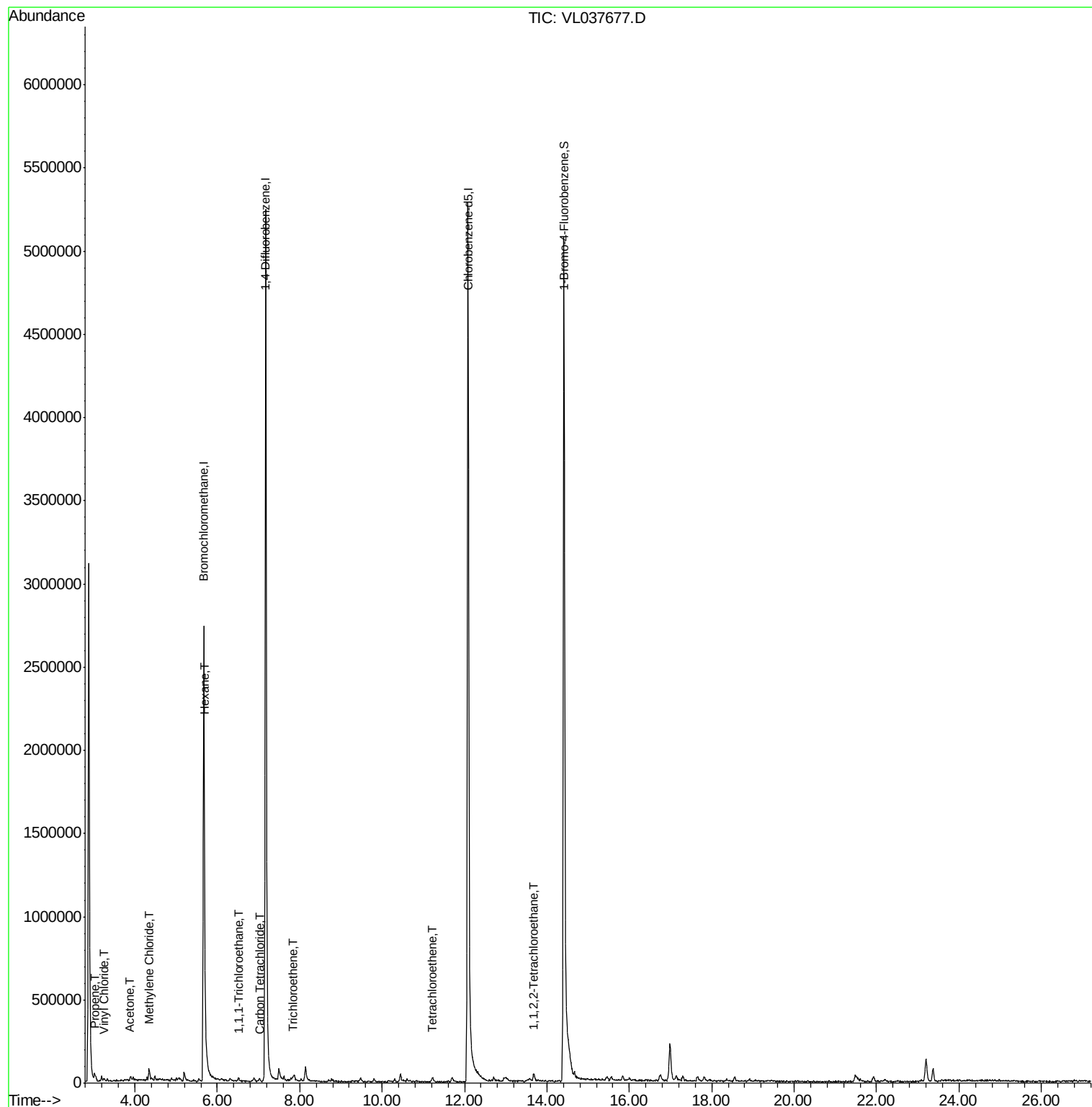
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
Data File : VL037677.D
Acq On : 27 Sep 2021 12:43
Operator : SY/AP
Sample : QC092221 CAN 10492
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

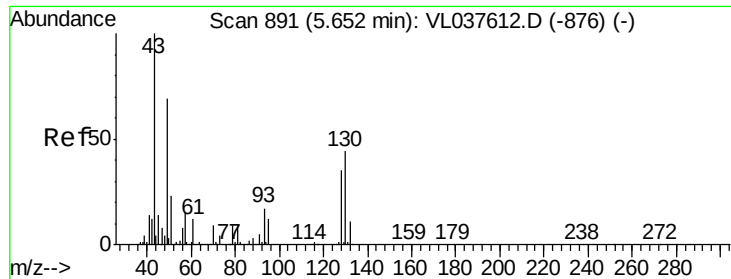
Instrument :
MSVOA_L
ClientSampleId :
QC092221 CAN 10492

Manual Integrations
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10/1/2021 11:04:50 AM

Quant Time: Sep 28 02:13:09 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Instrument :

MSVOA_L

ClientSampleId :

QC092221 CAN 10492

Tgt Ion: 49 Resp: 1635130

Ion Ratio Lower Upper

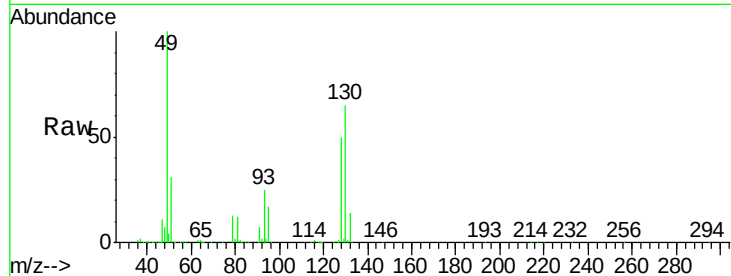
49 100

128 53.6 27.9 83.6

130 69.6 33.9 101.7

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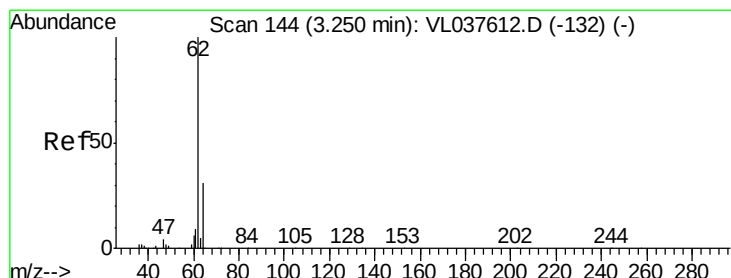
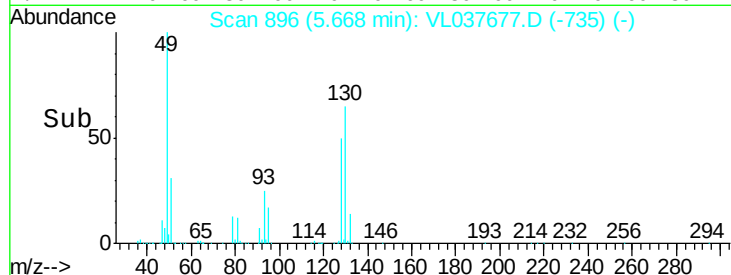
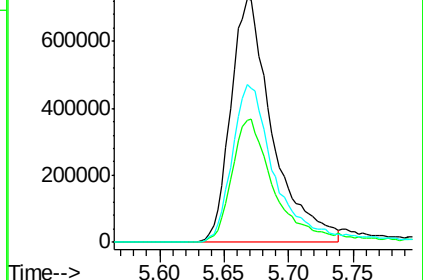
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.058 ppbv m

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037677.D

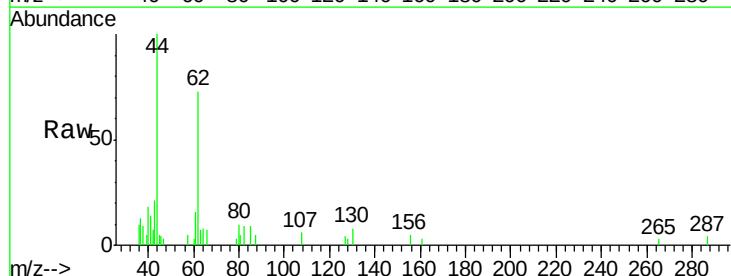
Acq: 27 Sep 2021 12:43

Tgt Ion: 62 Resp: 6240

Ion Ratio Lower Upper

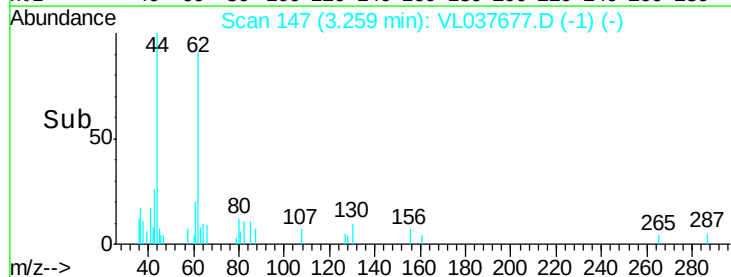
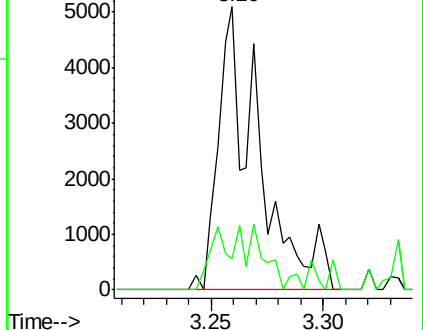
62 100

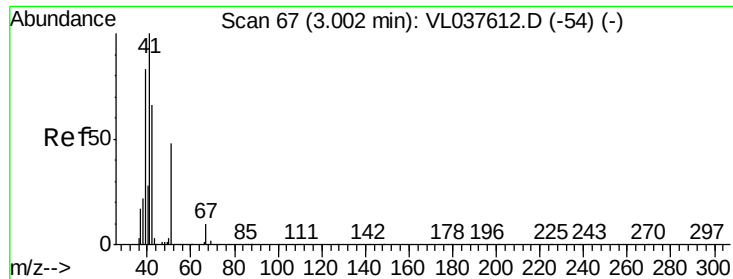
64 10.9 24.9 37.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





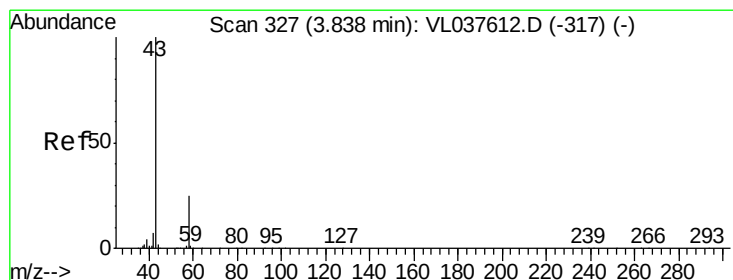
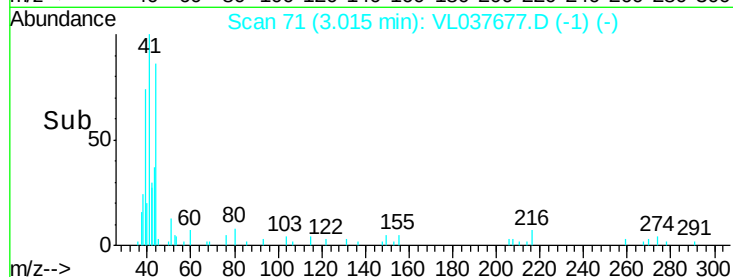
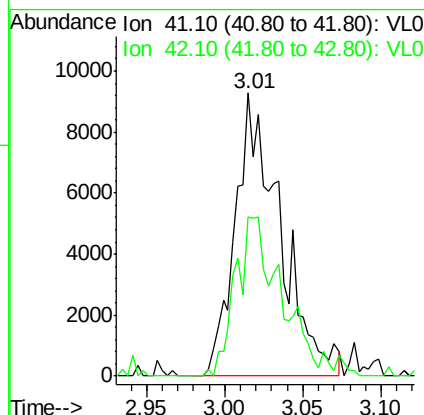
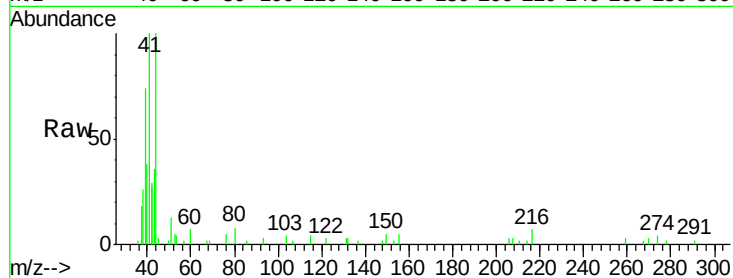
#9
 Propene
 Concen: 0.169 ppbv m
 RT: 3.01 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037677.D
 Acq: 27 Sep 2021 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 QC092221 CAN 10492

Tgt Ion: 41 Resp: 18334
 Ion Ratio Lower Upper
 41 100
 42 59.3 57.2 85.8

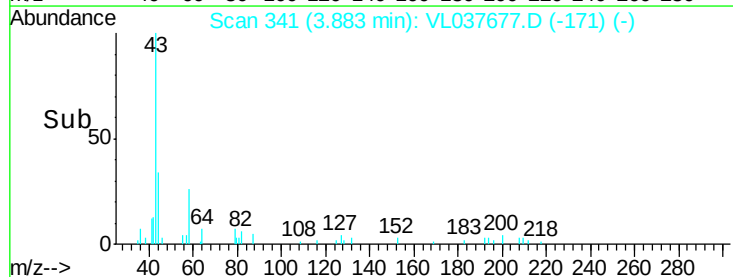
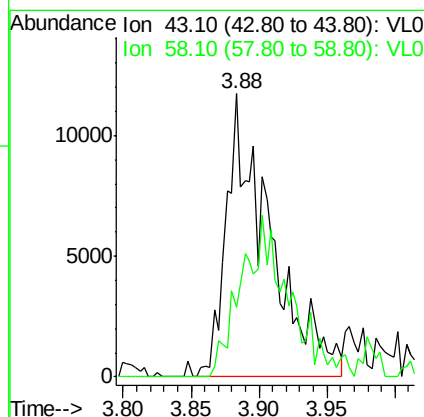
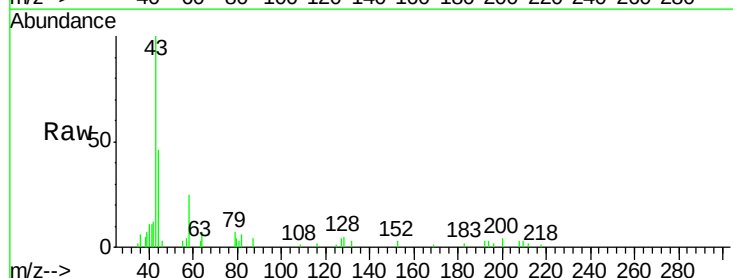
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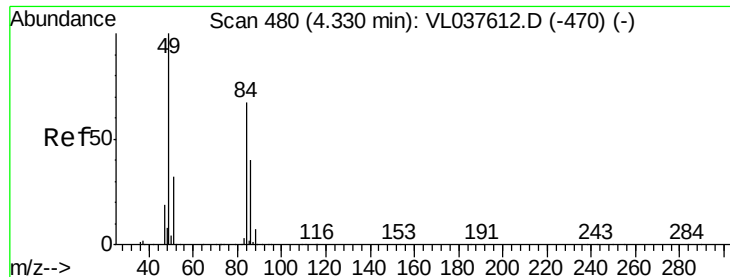
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#15
 Acetone
 Concen: 0.152 ppbv m
 RT: 3.88 min Scan# 341
 Delta R.T. 0.05 min
 Lab File: VL037677.D
 Acq: 27 Sep 2021 12:43

Tgt Ion: 43 Resp: 25805
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 37.3#





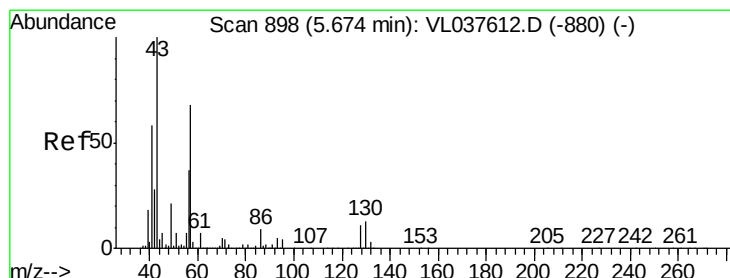
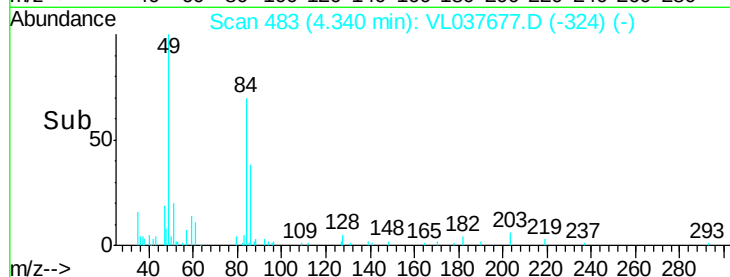
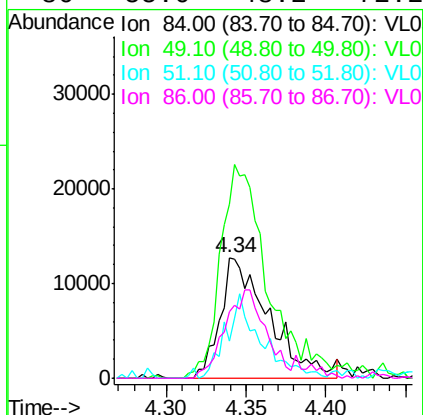
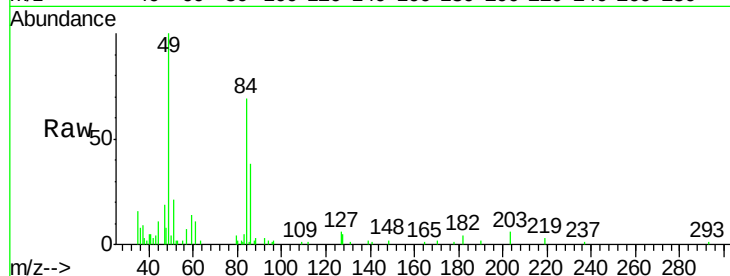
#20
Methylene Chloride
Concen: 0.334 ppbv m
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037677.D
Acq: 27 Sep 2021 12:43

Instrument :
MSVOA_L
ClientSampleId :
QC092221 CAN 10492

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.3	120.0	180.0
51	30.7	38.0	57.0#
86	55.0	48.2	72.2

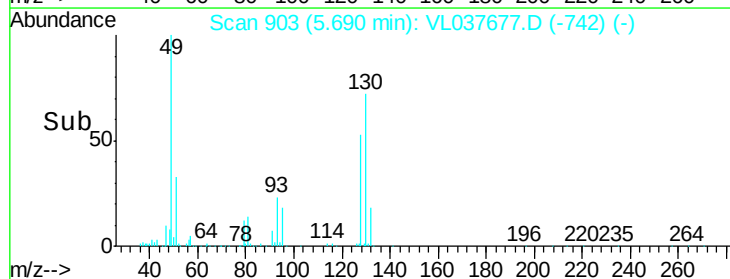
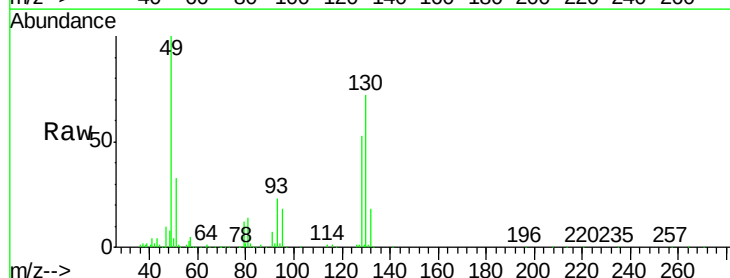
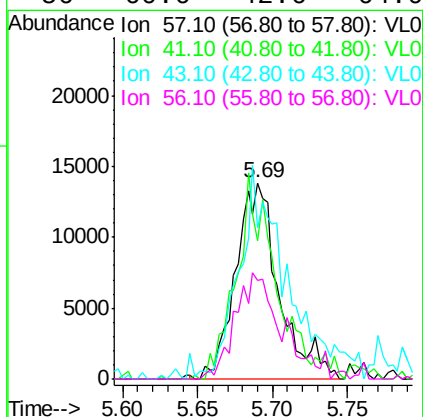
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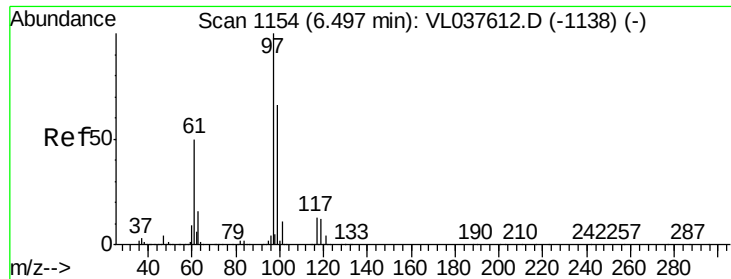
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#26
Hexane
Concen: 0.142 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037677.D
Acq: 27 Sep 2021 12:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.9	106.3#
43	128.3	170.4	255.6#
56	60.6	42.6	64.0





#32

1,1,1-Trichloroethane

Concen: 0.042 ppbv m

RT: 6.51 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Instrument :

MSVOA_L

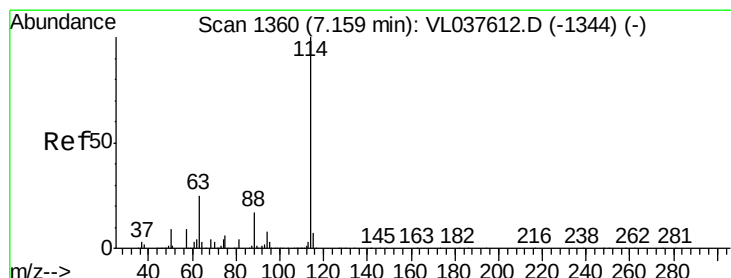
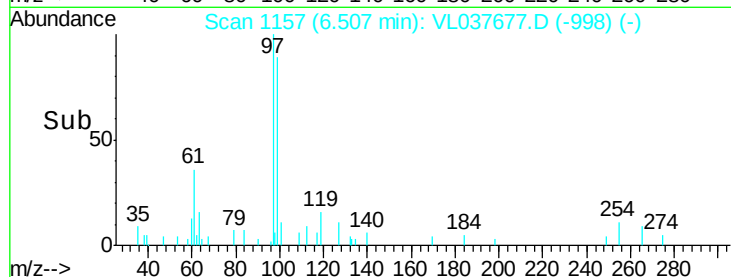
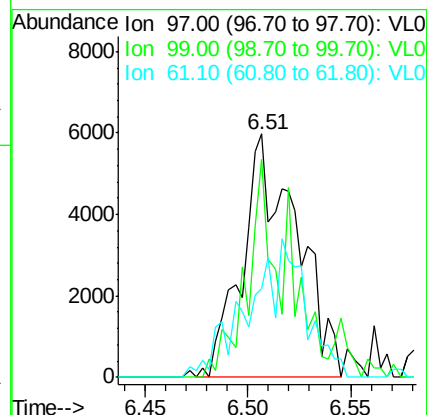
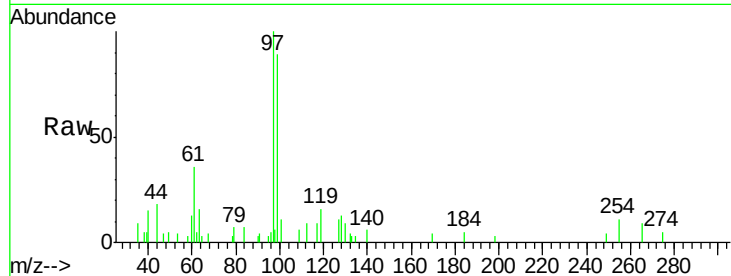
ClientSampleId :

QC092221 CAN 10492

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.3	78.5#
61	59.4	39.5	59.3#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

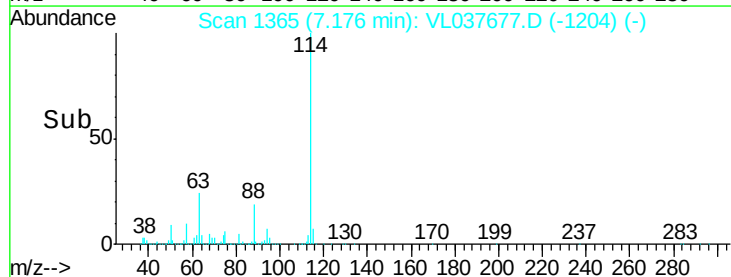
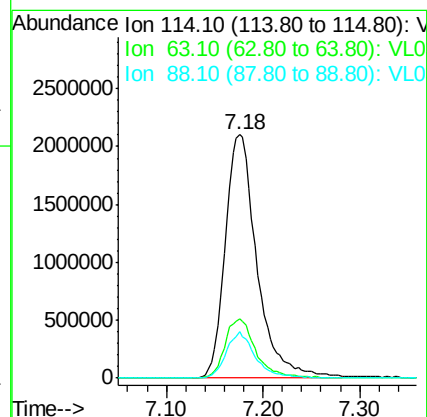
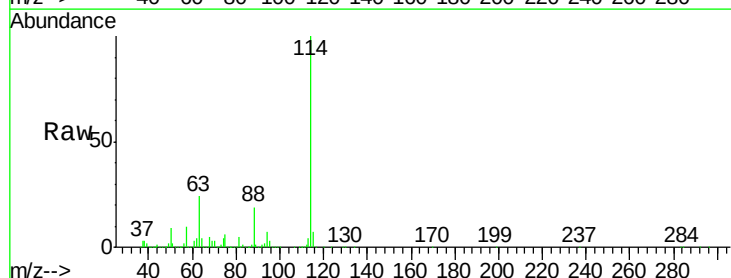
RT: 7.18 min Scan# 1365

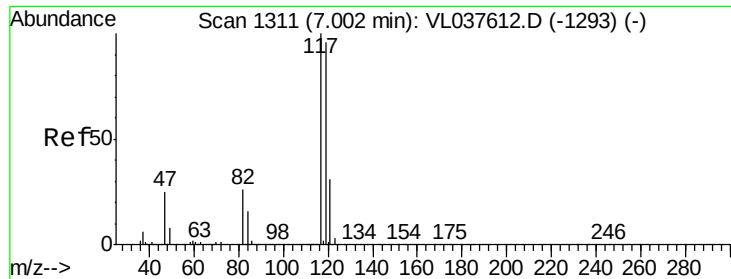
Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.7	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Instrument :

MSVOA_L

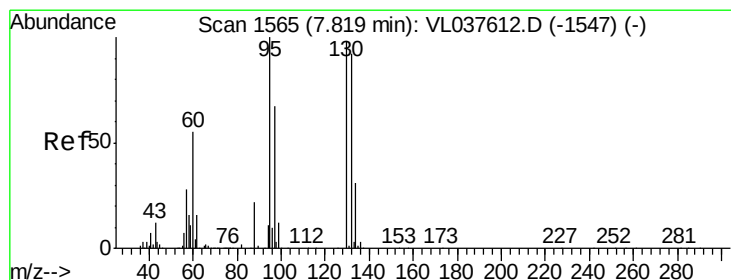
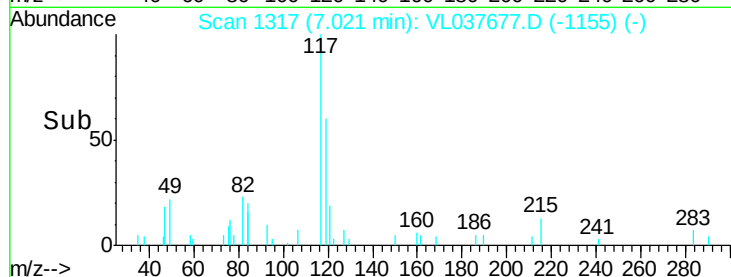
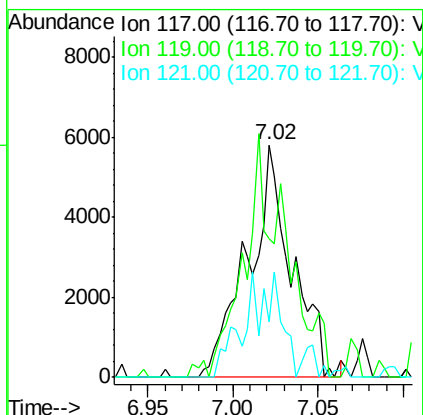
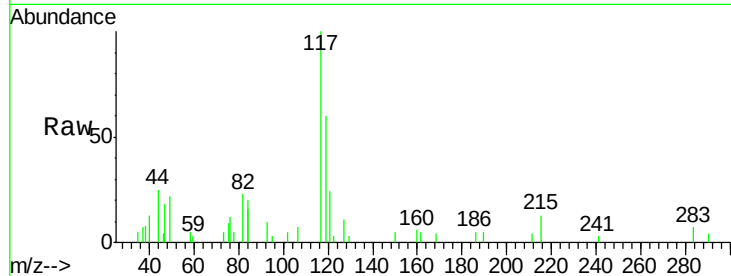
ClientSampleId :

QC092221 CAN 10492

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10452		
119	59.9	77.0	115.6#	
121	23.7	24.5	36.7#	

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#38

Trichloroethene

Concen: 0.053 ppbv m

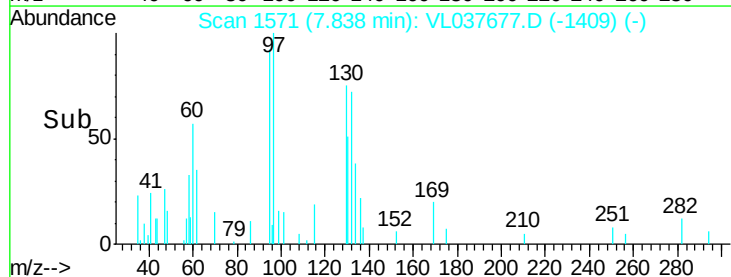
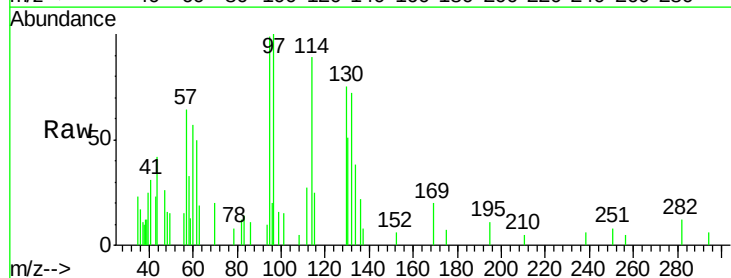
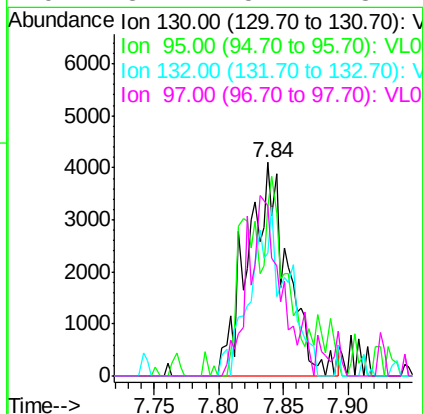
RT: 7.84 min Scan# 1571

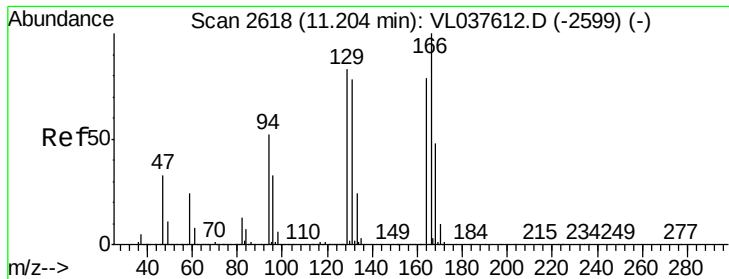
Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	8840		
95	133.2	81.8	122.6#	
132	96.9	75.3	112.9	
97	134.2	54.7	82.1#	





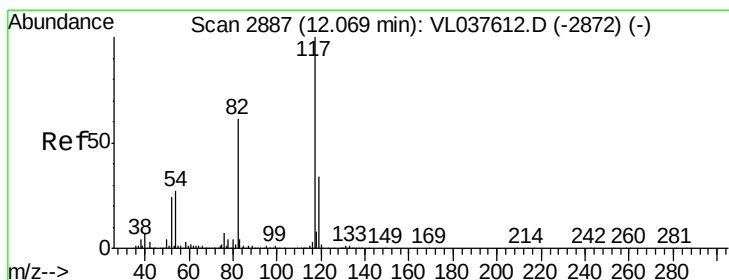
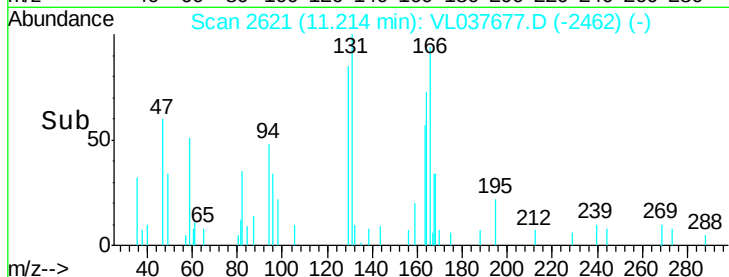
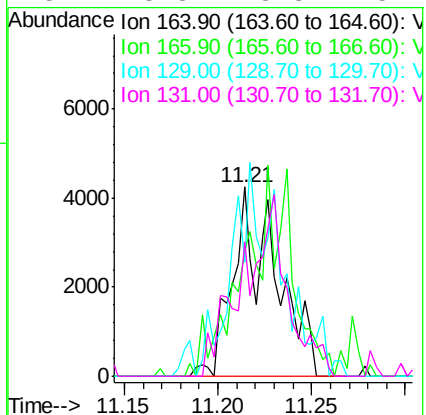
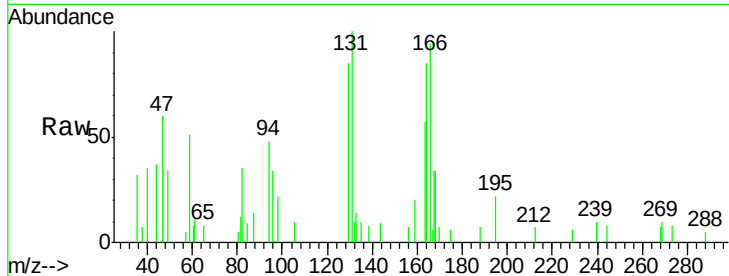
#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037677.D
Acq: 27 Sep 2021 12:43

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Tgt Ion:164 Resp: 6847
Ion Ratio Lower Upper
164 100
166 111.3 101.2 151.8
129 100.2 84.0 126.0
131 118.3 78.8 118.2#

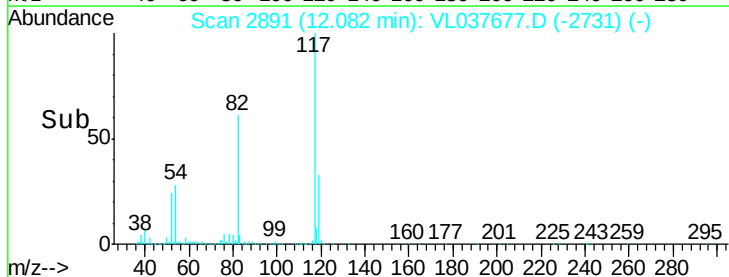
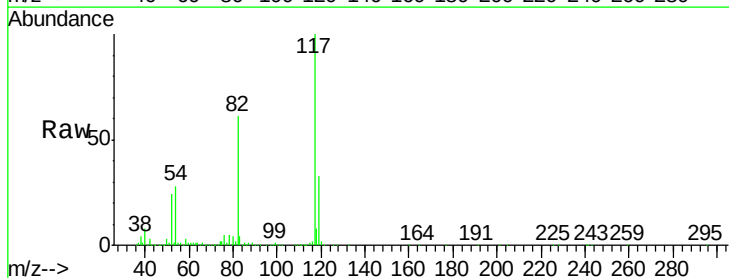
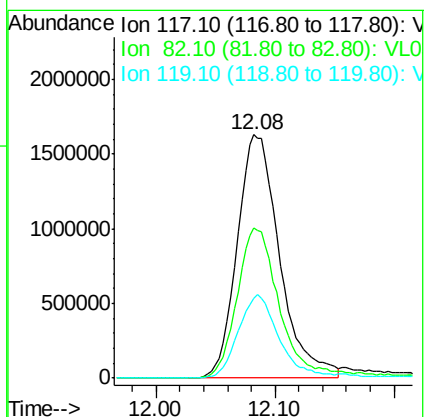
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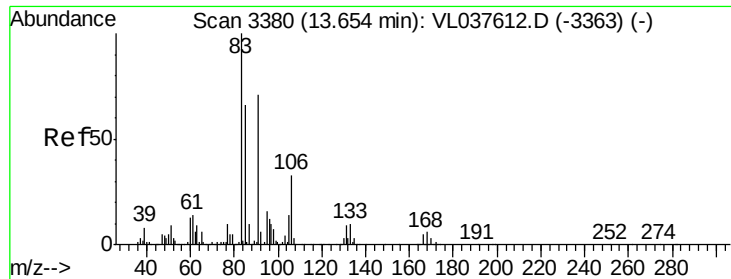
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL037677.D
Acq: 27 Sep 2021 12:43

Tgt Ion:117 Resp: 4025923
Ion Ratio Lower Upper
117 100
82 63.4 50.6 75.8
119 34.8 26.2 39.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.044 ppbv m

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Instrument :

MSVOA_L

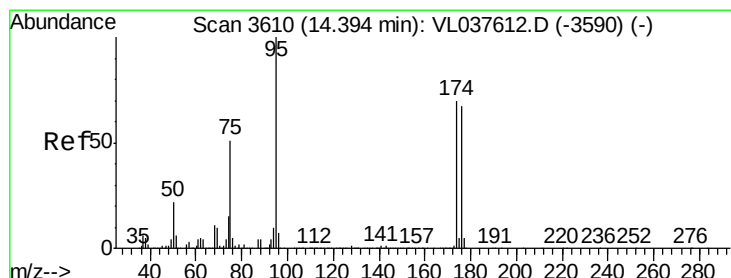
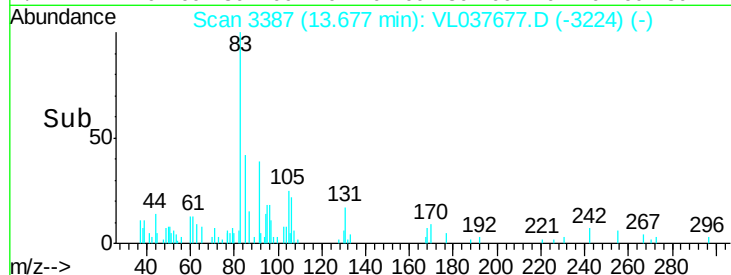
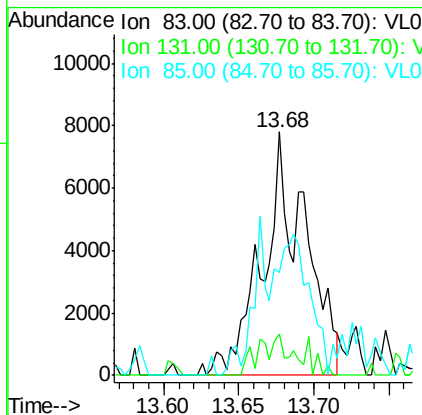
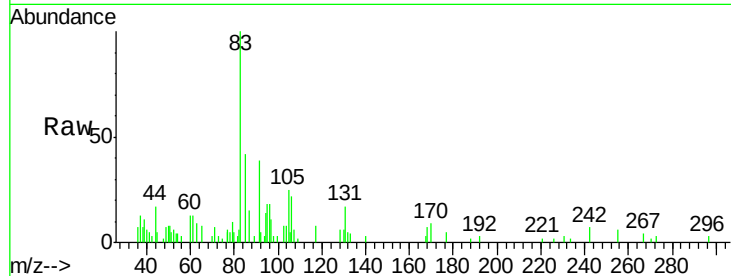
ClientSampleId :

QC092221 CAN 10492

Tgt Ion:	83	Resp:	15362
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.1	15.3#
85	66.9	33.3	99.9

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.807 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL037677.D

Acq: 27 Sep 2021 12:43

Tgt Ion:	95	Resp:	2853409
Ion Ratio	Lower	Upper	
95	100		
174	76.6	56.3	84.5
175	5.4	4.4	6.6

