

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037754.D
 Acq On : 1 Oct 2021 23:08
 Operator : SY/AP
 Sample : M4012-12DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P15DL

Manual Integrations
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Quant Time: Oct 02 19:55:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.65	49	1430250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4080806	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3480791	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2406862	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	43541m	4.678	ppbv	
15) Acetone	3.84	43	305806	2.058	ppbv	93
19) Isopropyl Alcohol	3.96	45	299041m	3.699	ppbv	
20) Methylene Chloride	4.33	84	61486m	0.867	ppbv	
29) Chloroform	5.74	83	36572m	0.146	ppbv	
38) Trichloroethene	7.82	130	5928m	0.042	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	33754m	0.160	ppbv	
52) Tetrachloroethene	11.20	164	1719614	13.163	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	34420m	0.128	ppbv	

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

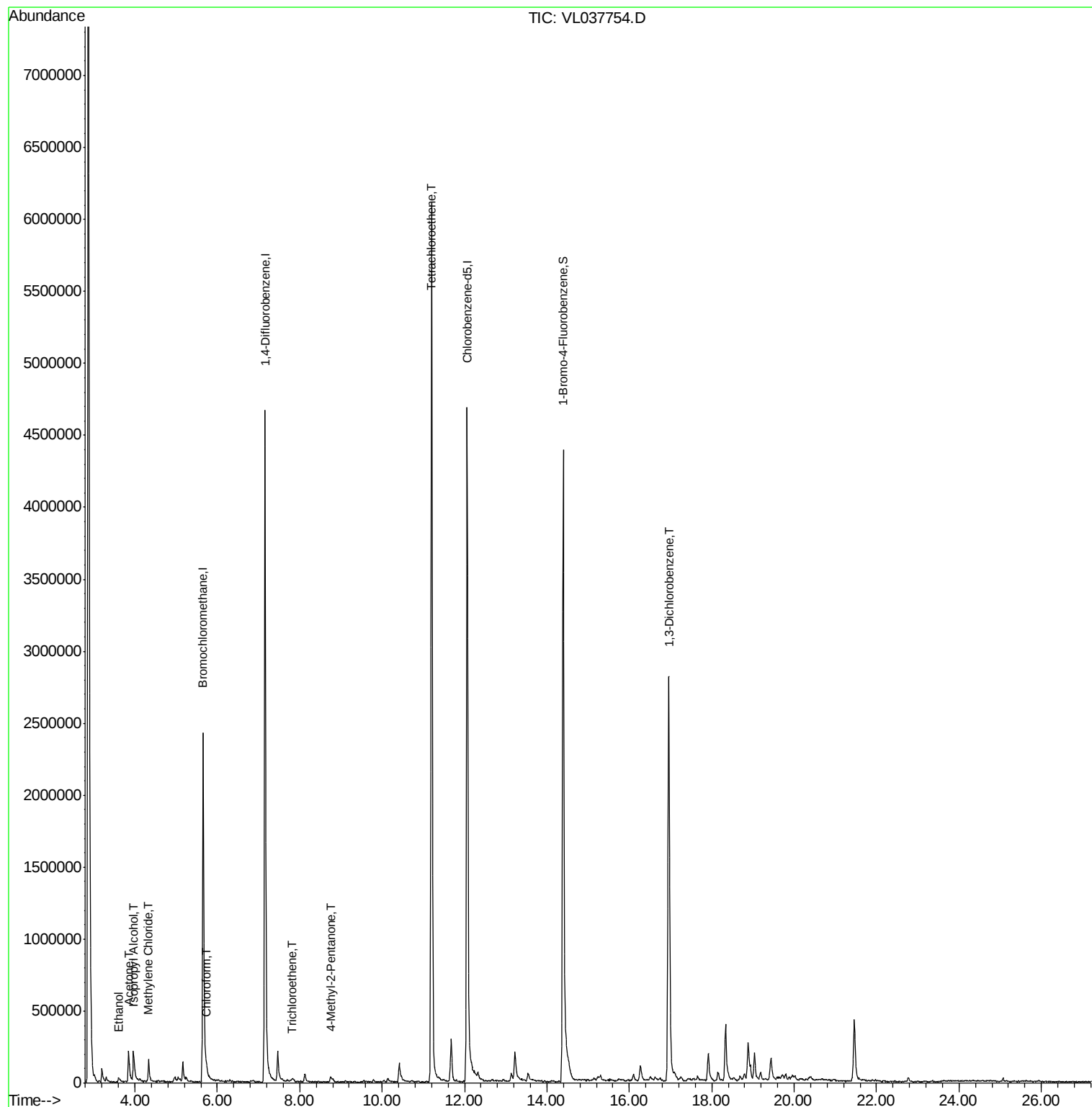
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Data File : VL037754.D
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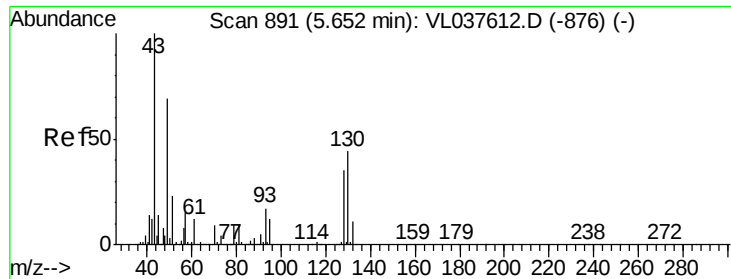
Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

Manual Integrations
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Quant Time: Oct 02 19:55:35 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: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0P15DL

Tot Ion: 49 Resp: 1430250

Ion Ratio Lower Upper

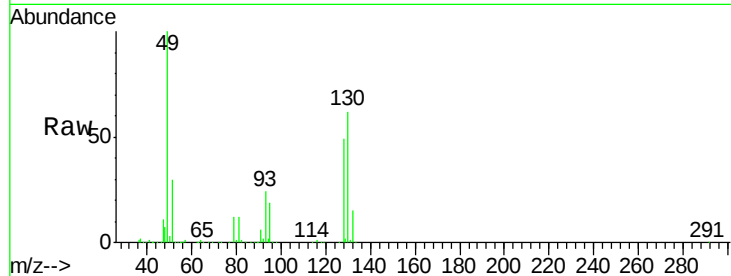
49 100

128 50.5 27.9 83.6

130 67.3 33.9 101.7

Manual Integrations
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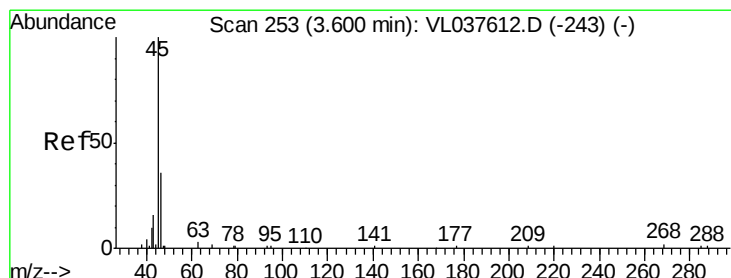
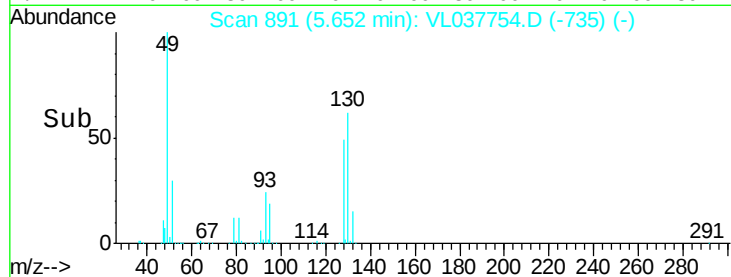
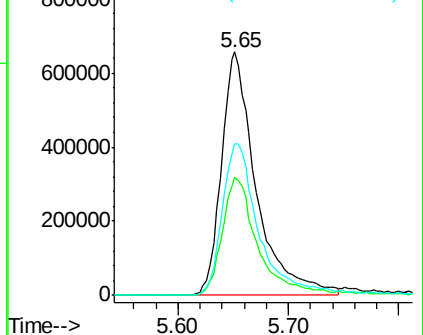
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 4.678 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037754.D

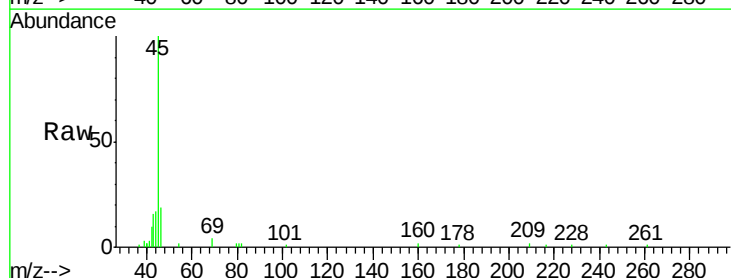
Acq: 1 Oct 2021 23:08

Tgt Ion: 45 Resp: 43541

Ion Ratio Lower Upper

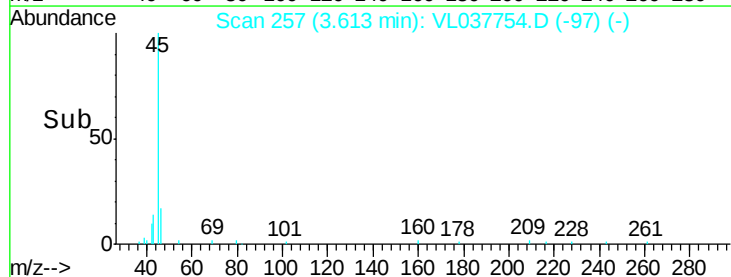
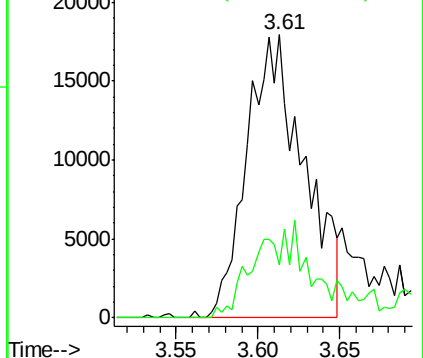
45 100

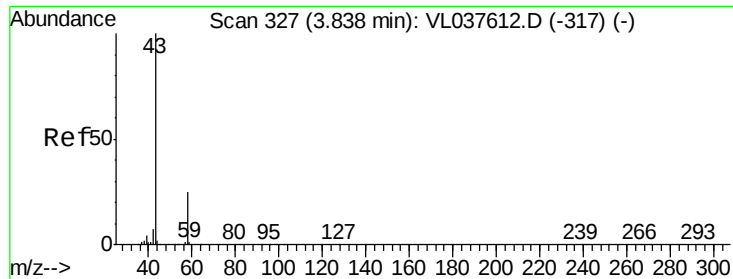
46 0.0 17.2 68.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





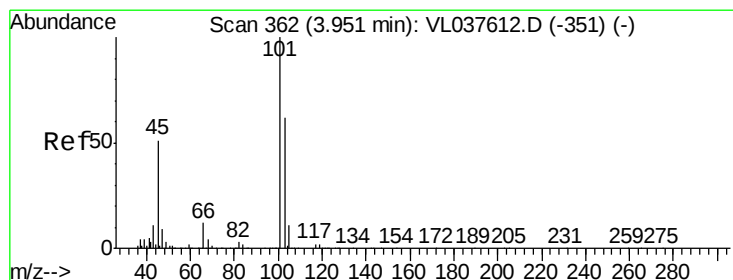
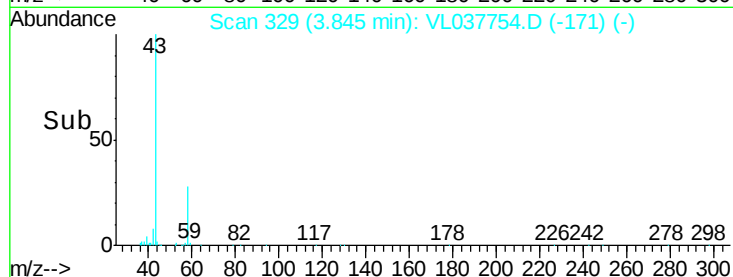
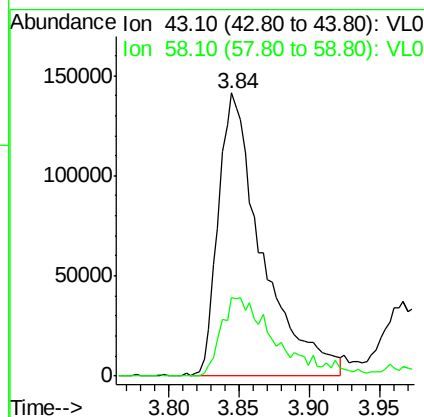
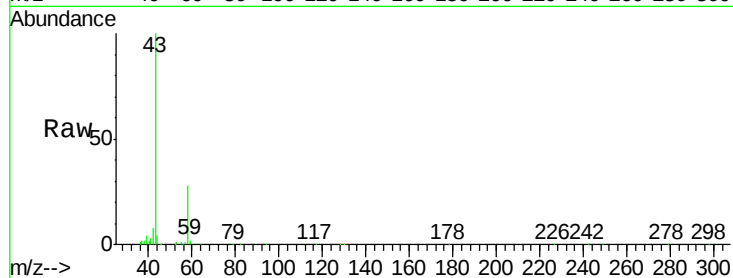
#15
Acetone
Concen: 2.058 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

Tot Ion: 43 Resp: 305806
Ion Ratio Lower Upper
43 100
58 35.1 24.9 37.3

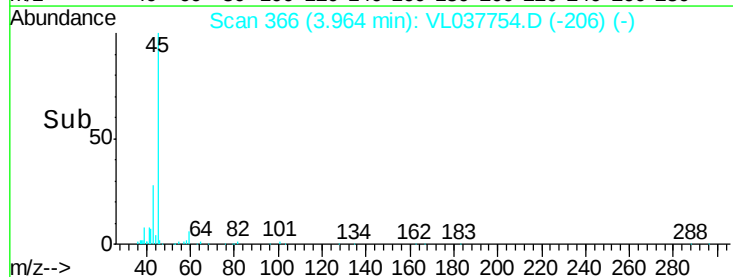
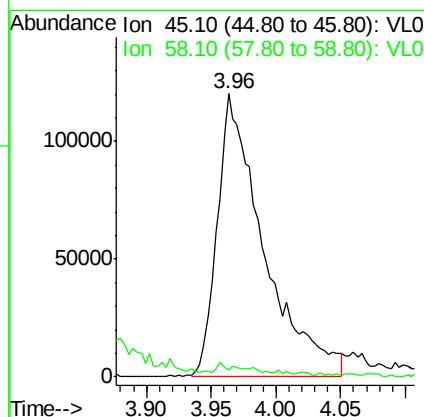
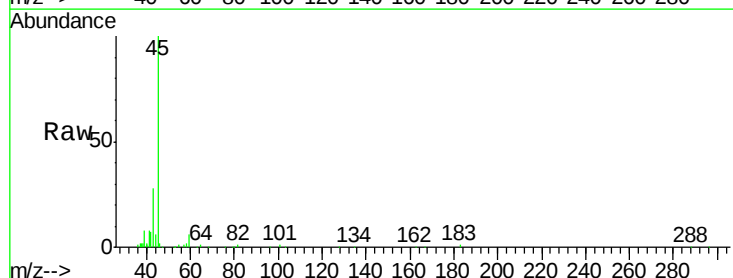
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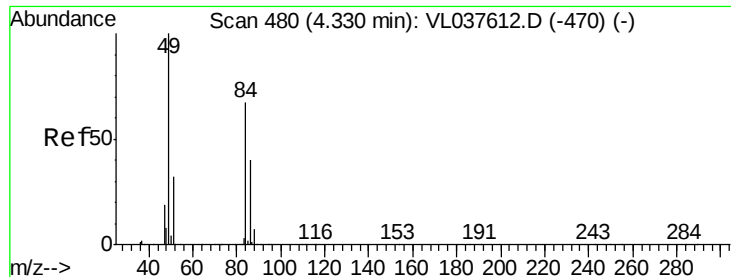
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#19
Isopropyl Alcohol
Concen: 3.699 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion: 45 Resp: 299041
Ion Ratio Lower Upper
45 100
58 4.9 2.9 4.3#





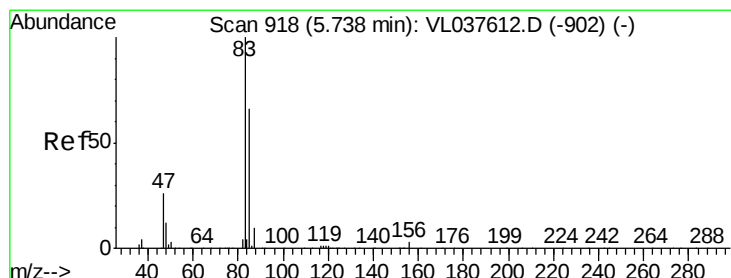
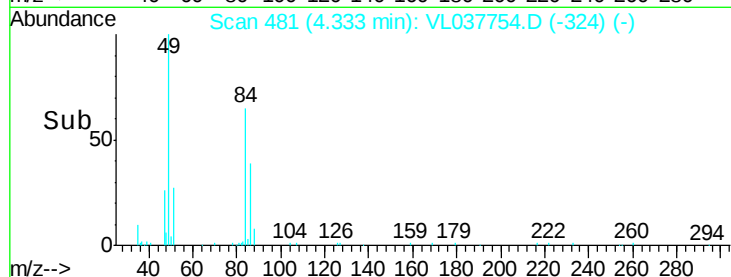
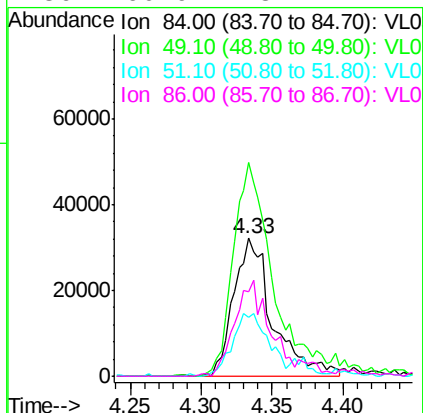
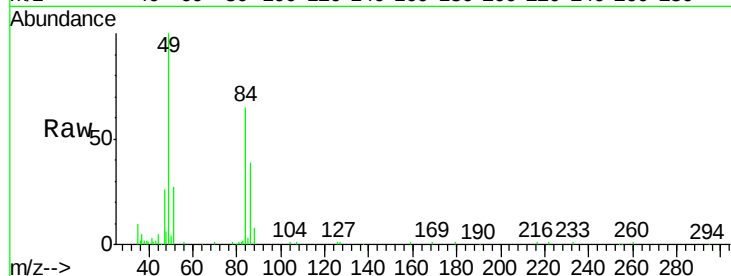
#20
Methvlene Chloride
Concen: 0.867 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	154.6	120.0	180.0	
51	42.4	38.0	57.0	
86	60.9	48.2	72.2	

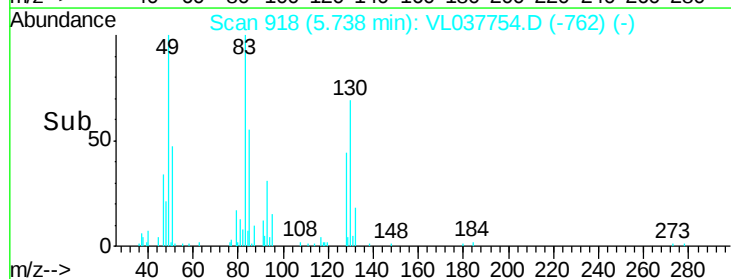
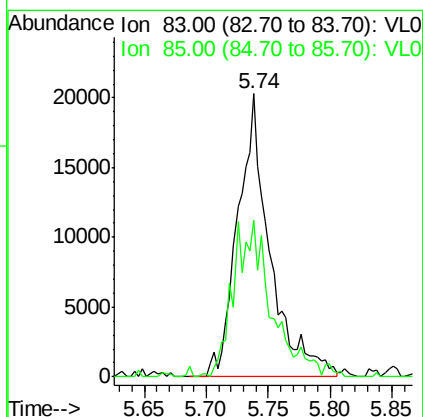
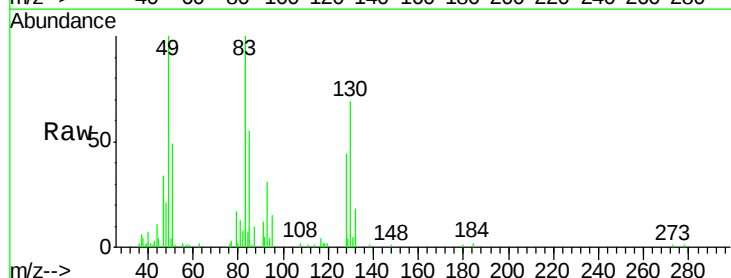
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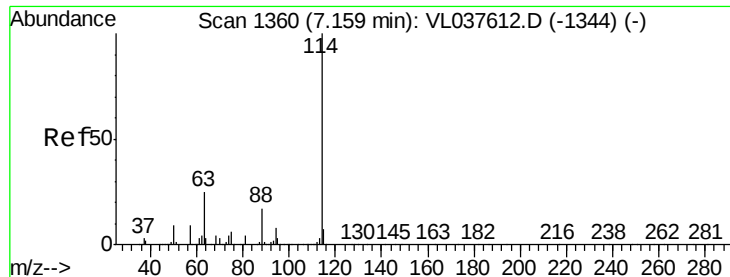
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#29
Chloroform
Concen: 0.146 ppbv m
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	55.3	52.6	79.0	





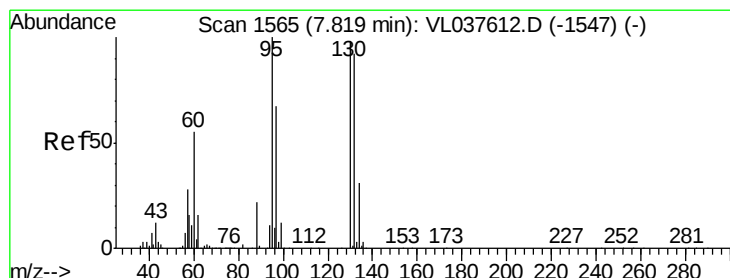
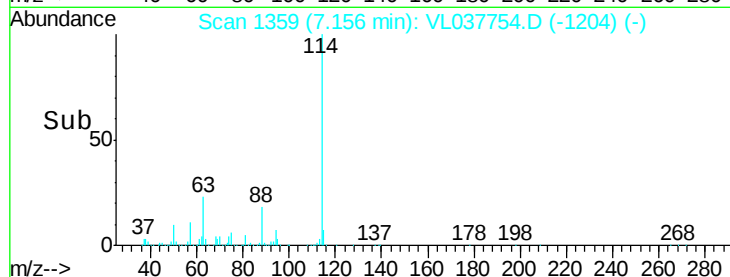
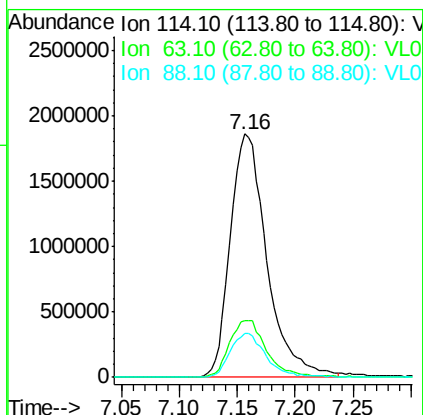
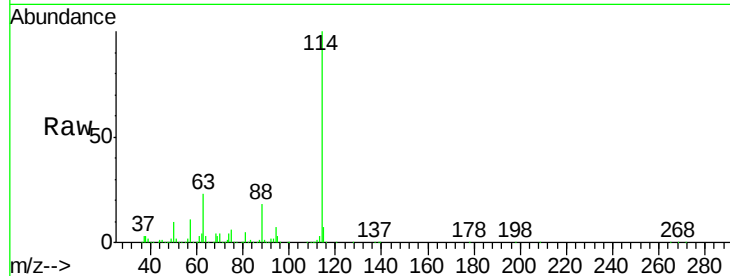
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P15DL

Tot Ion:114 Resp: 4080806
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 18.1 14.2 21.4

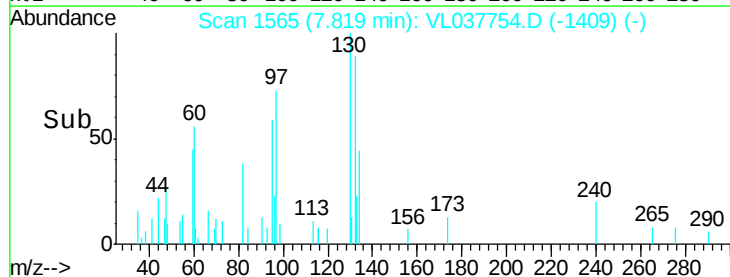
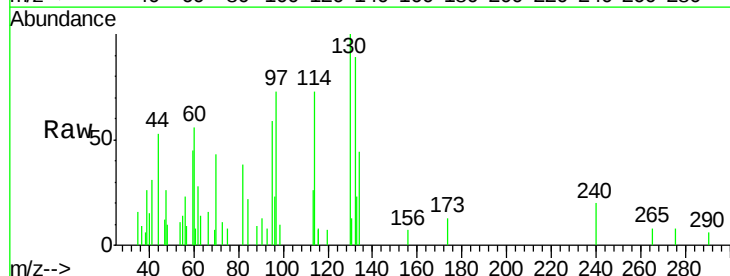
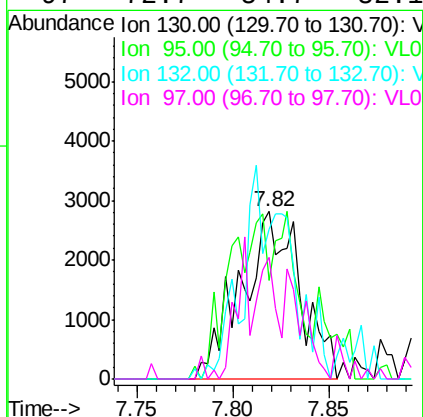
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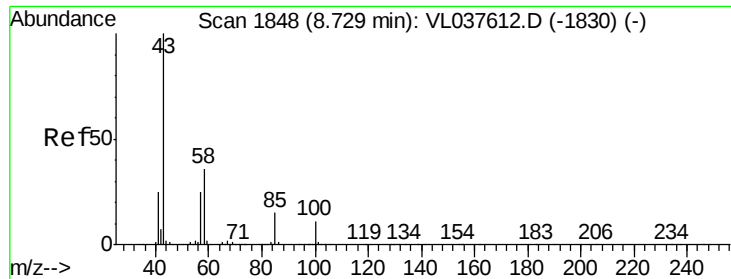
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#38
 Trichloroethene
 Concen: 0.042 ppbv m
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Tgt Ion:130 Resp: 5928
 Ion Ratio Lower Upper
 130 100
 95 59.0 81.8 122.6#
 132 89.3 75.3 112.9
 97 72.7 54.7 82.1





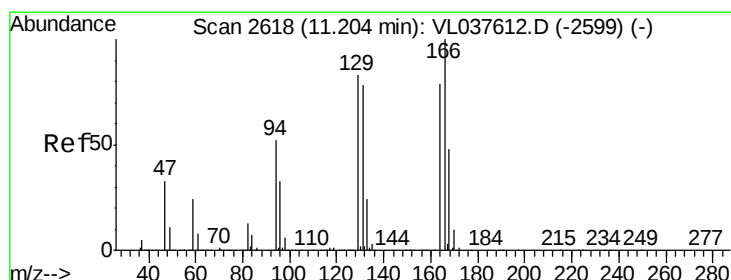
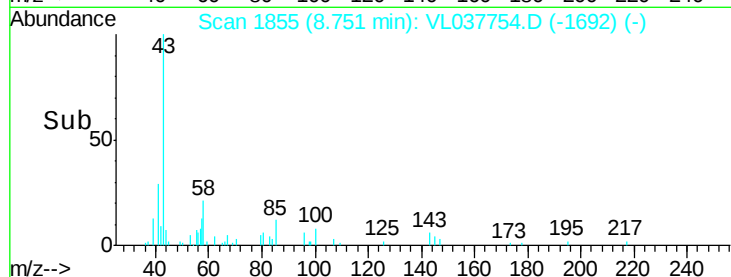
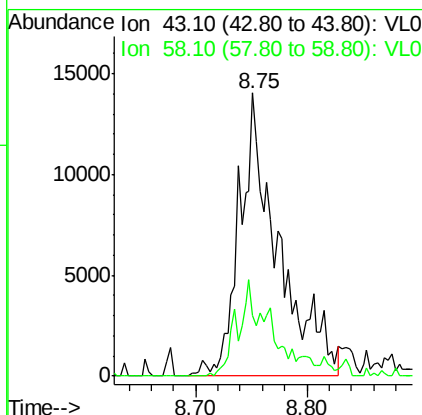
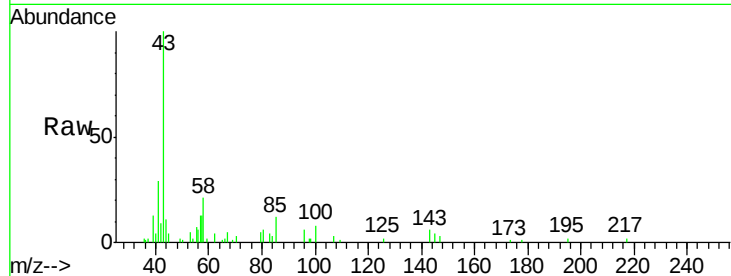
#50
4-Methyl-2-Pentanone
Concen: 0.160 ppbv m
RT: 8.75 min Scan# 1855
Delta R.T. 0.02 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

Tot Ion: 43 Resp: 33754
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#

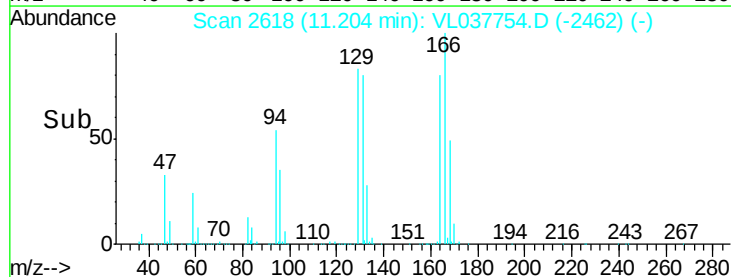
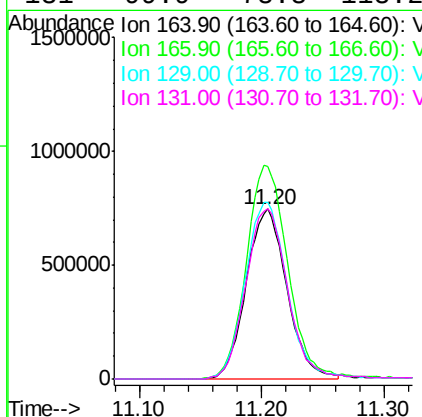
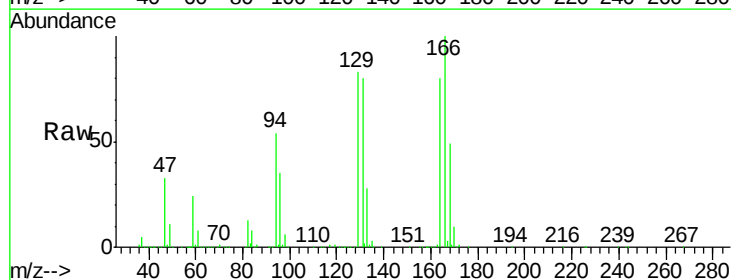
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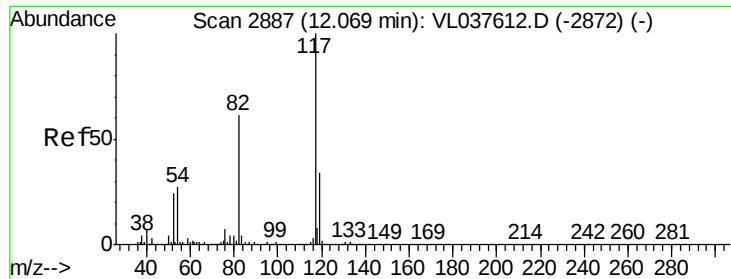
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#52
Tetrachloroethene
Concen: 13.163 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion:164 Resp: 1719614
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 103.6 84.0 126.0
131 99.9 78.8 118.2





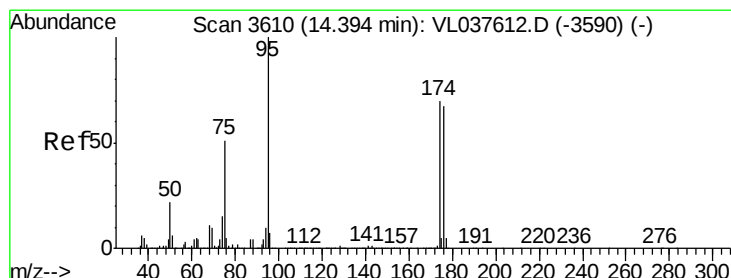
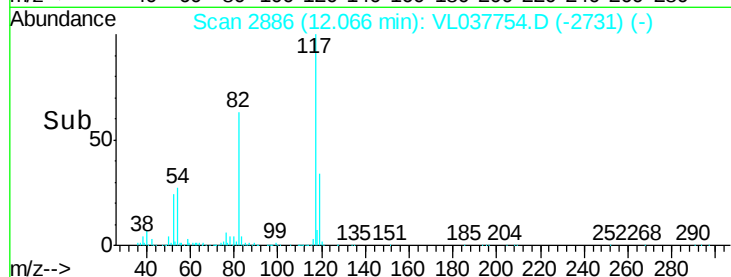
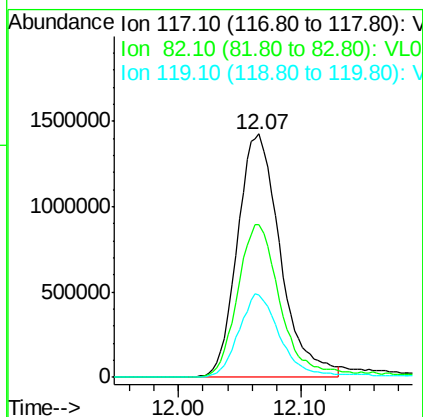
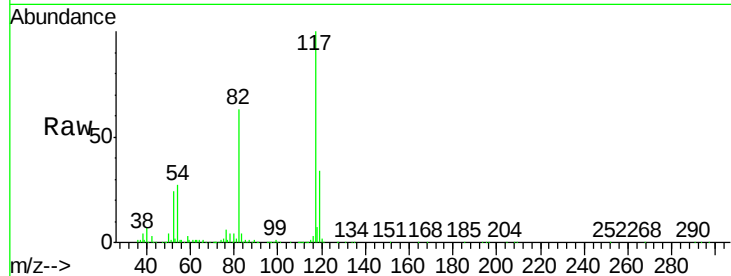
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	34.4	26.2	39.2

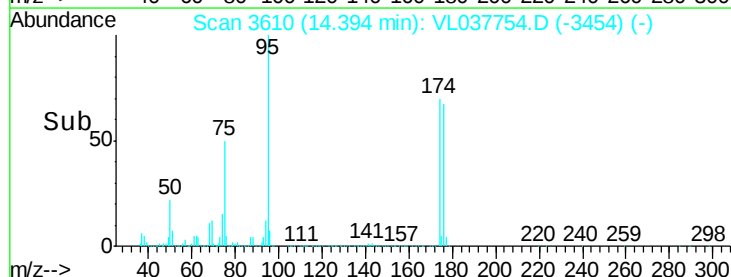
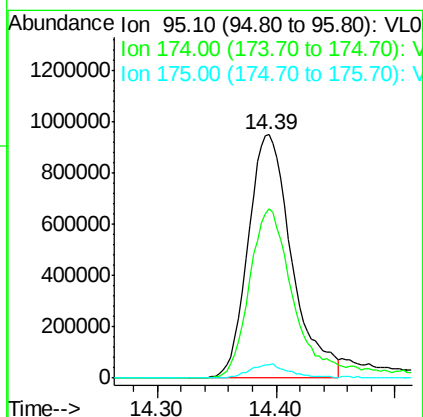
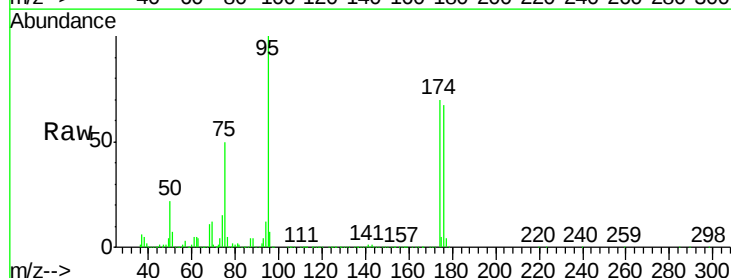
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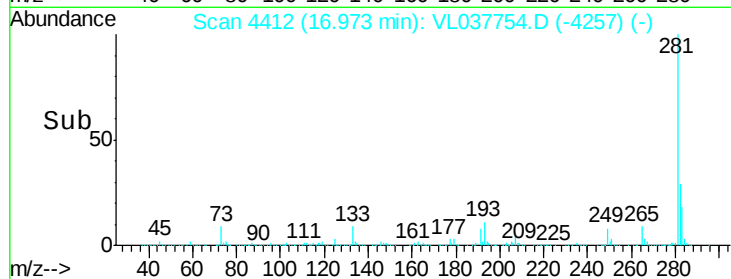
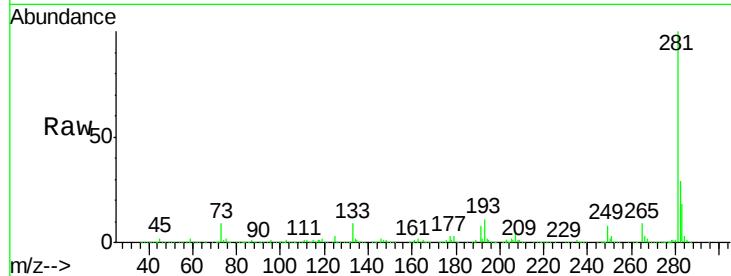
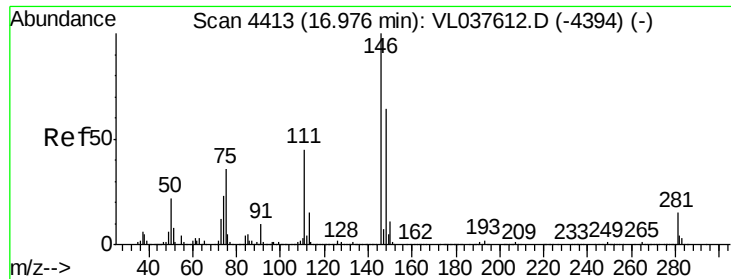
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.568 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	56.3	84.5
175	5.2	4.4	6.6





#75

1,3-Dichlorobenzene

Concen: 0.128 ppbv m

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Tot Ion:	146	Resp:	34420
Ion Ratio	Lower	Upper	
146	100		
111	95.2	22.8	68.3#
148	72.4	32.1	96.5

Instrument :

MSVOA_L

ClientSampleId :

C0P15DL

Manual Integrations
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