

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037271.D
 Acq On : 2 Jul 2021 12:32
 Operator : SY/AP
 Sample : M2911-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
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 7/6/2021 6:44:26 PM

Quant Time: Jul 03 07:58:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1259517	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3646752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3230146	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2449084	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	111168m	1.420	ppbv	
13) Ethanol	3.64	45	45107m	3.724	ppbv	
15) Acetone	3.88	43	184760	1.301	ppbv	# 74
19) Isopropyl Alcohol	4.01	45	110628m	1.286	ppbv	
20) Methylene Chloride	4.36	84	86080m	1.012	ppbv	
26) Hexane	5.70	57	51649m	0.332	ppbv	
34) 2-Butanone	5.29	43	22009m	0.155	ppbv	
53) Toluene	9.83	91	61671m	0.175	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	33998m	0.138	ppbv	

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

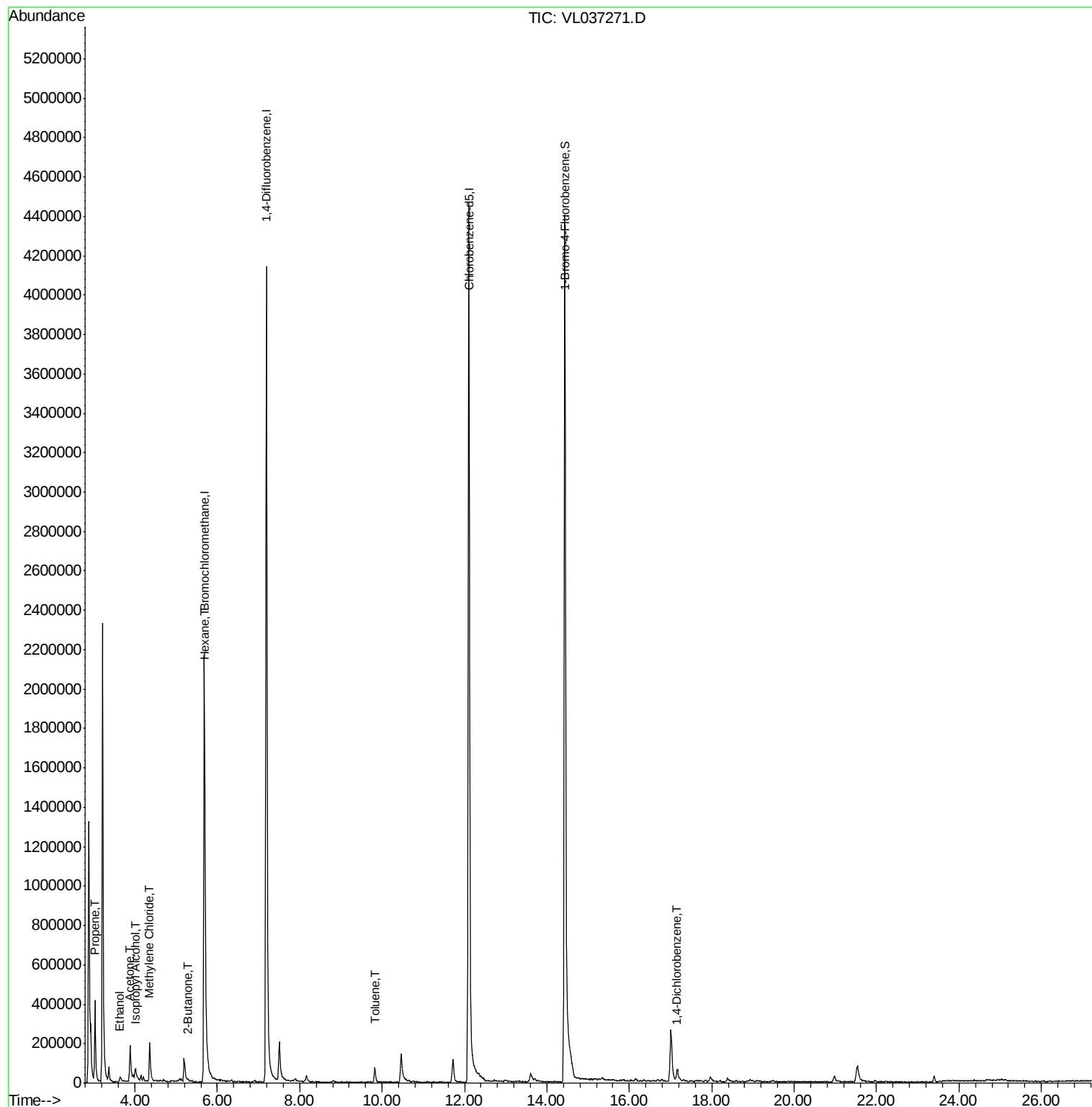
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
Data File : VL037271.D
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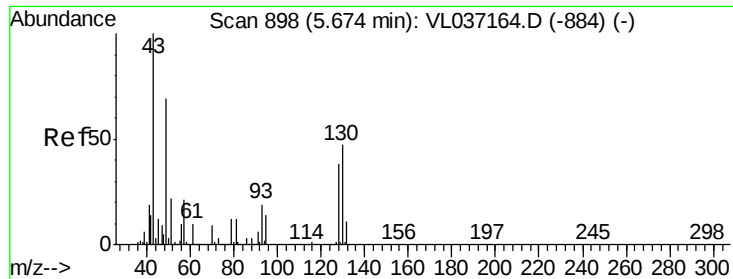
Instrument :
MSVOA_L
ClientSampled :
1

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Quant Time: Jul 03 07:58:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

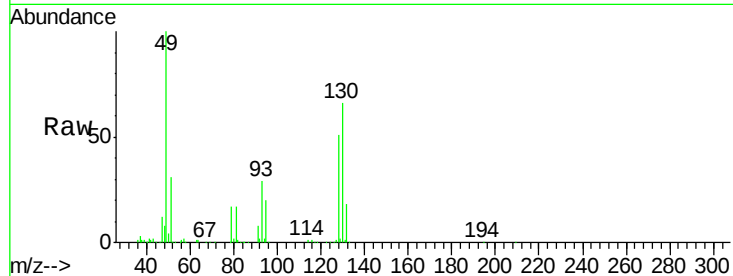
ClientSampleId :

1

Manual Integrations
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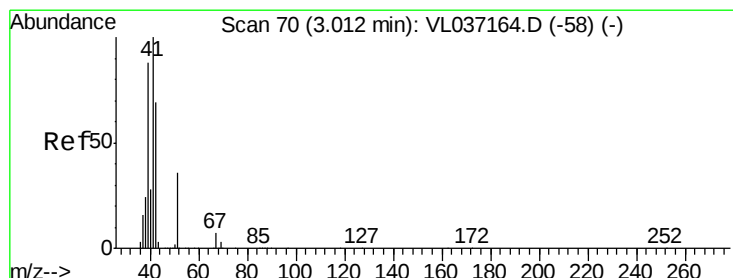
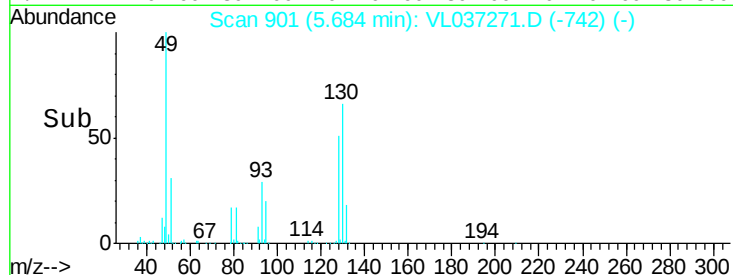
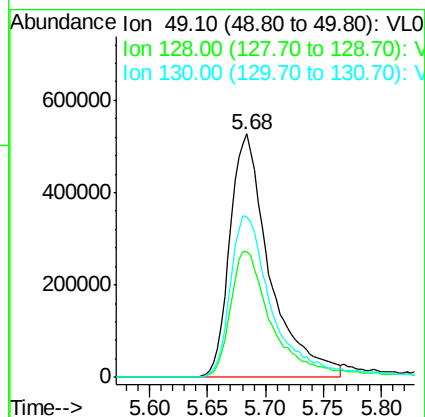
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Tot Ion: 49 Resp: 1259517

Ion	Ratio	Lower	Upper
49	100		
128	55.5	29.3	88.0
130	73.0	35.9	107.8



#9

Propene

Concen: 1.420 ppbv m

RT: 3.03 min Scan# 76

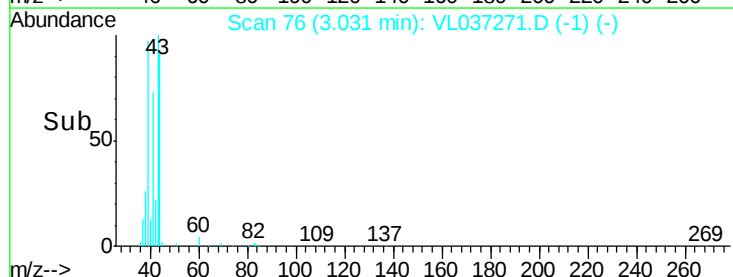
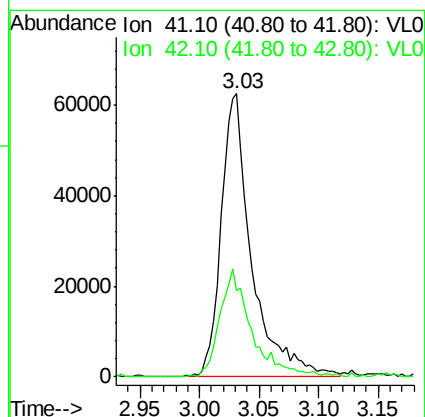
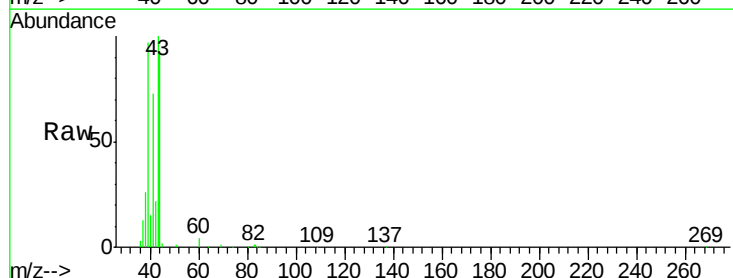
Delta R.T. 0.02 min

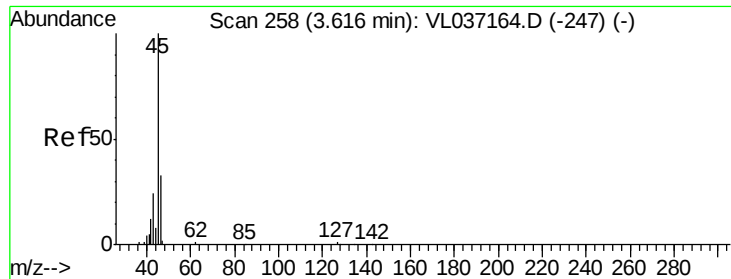
Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Tgt Ion: 41 Resp: 111168

Ion	Ratio	Lower	Upper
41	100		
42	507.0	54.5	81.7#





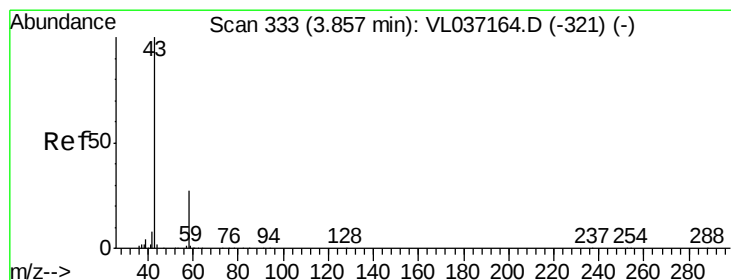
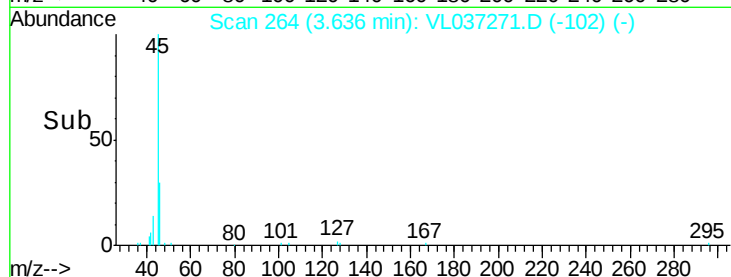
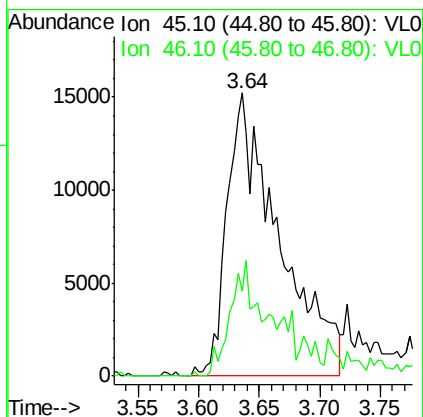
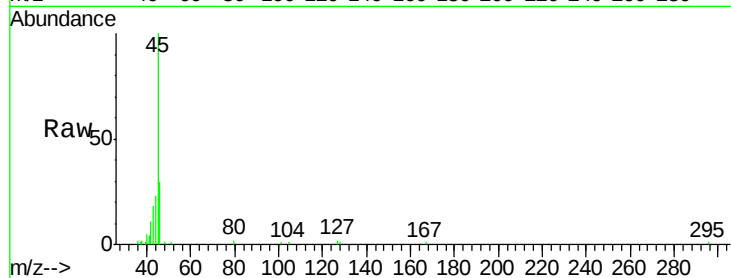
#13
Ethanol
Concen: 3.724 ppbv m
RT: 3.64 min Scan# 264
Delta R.T. 0.02 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
1

Tot Ion	45	Resp	45107
Ion Ratio	100	Lower	Upper
46	40.6	34.2	137.0

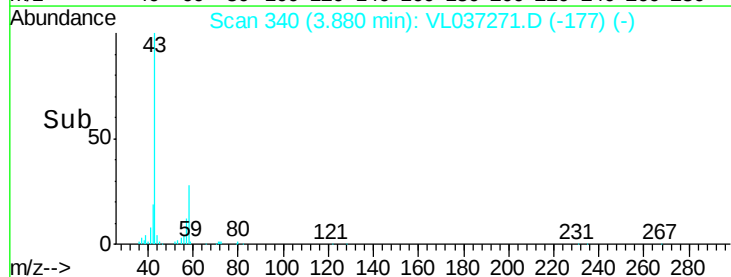
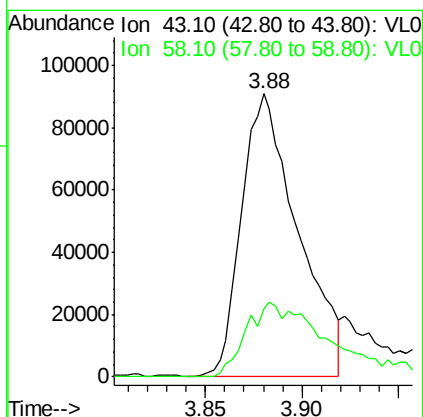
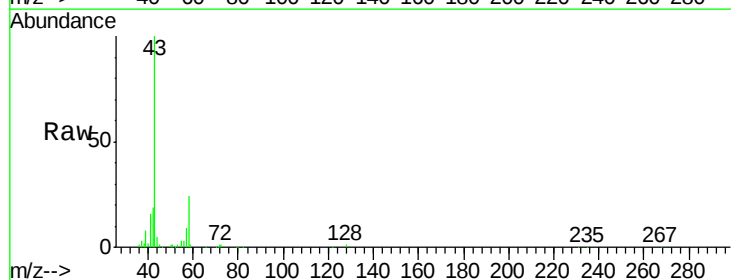
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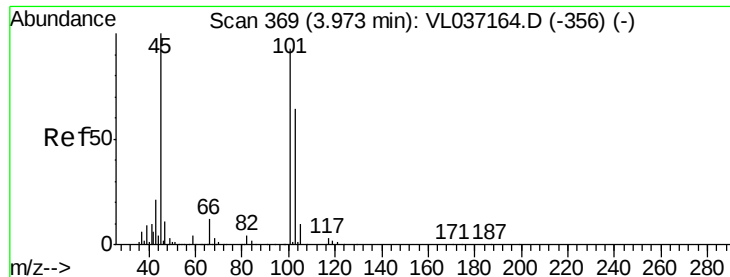
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#15
Acetone
Concen: 1.301 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

Tgt Ion	43	Resp	184760
Ion Ratio	100	Lower	Upper
58	43.5	23.7	35.5#





#19

Isopropyl Alcohol

Concen: 1.286 ppbv m

RT: 4.01 min Scan# 380

Delta R.T. 0.04 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

1

Tot Ion: 45 Resp: 110628

Ion Ratio Lower Upper

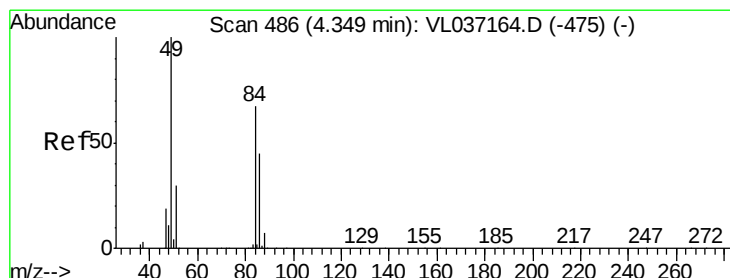
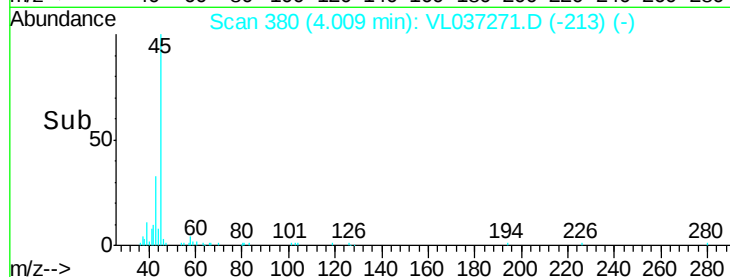
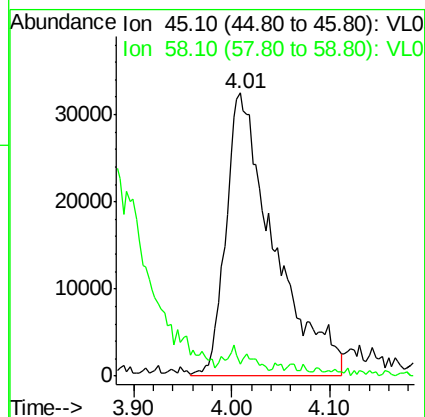
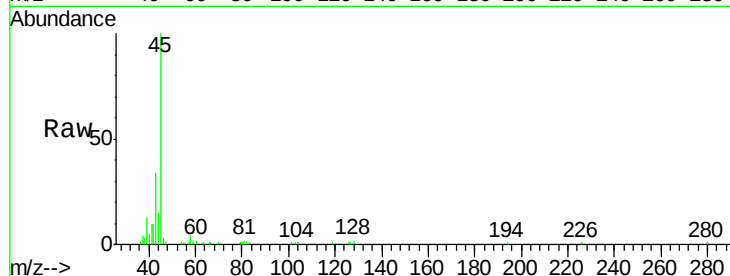
45 100

58 0.0 2.4 3.6#

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#20

Methylene Chloride

Concen: 1.012 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Tgt Ion: 84 Resp: 86080

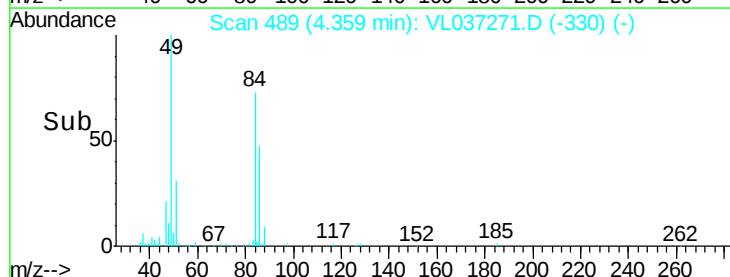
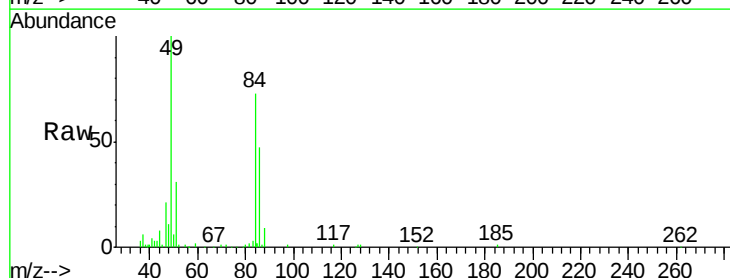
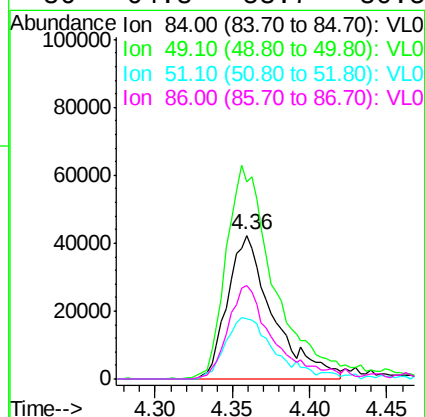
Ion Ratio Lower Upper

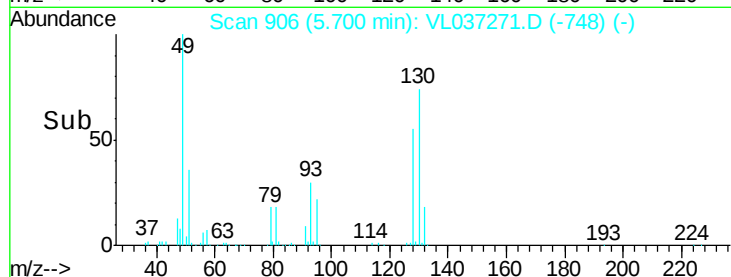
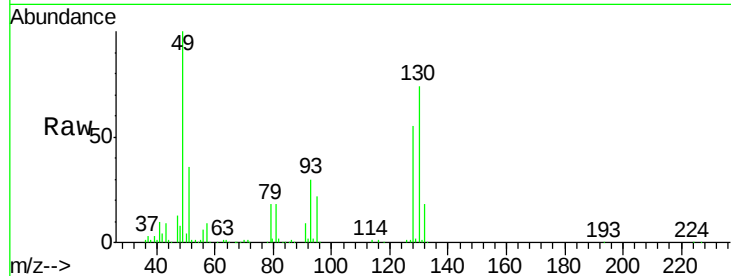
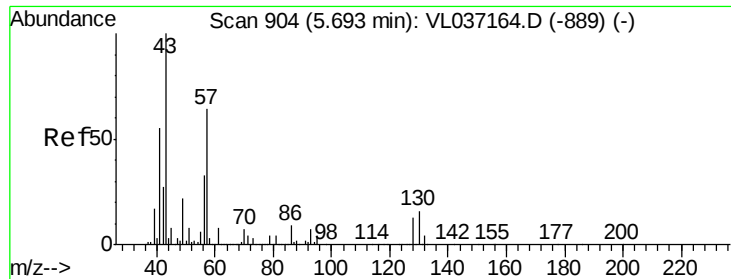
84 100

49 137.3 119.7 179.5

51 42.3 36.1 54.1

86 64.8 53.7 80.5





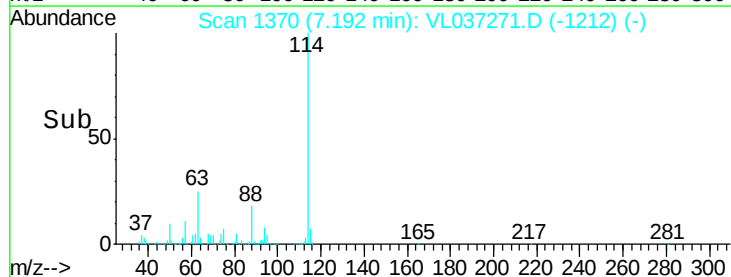
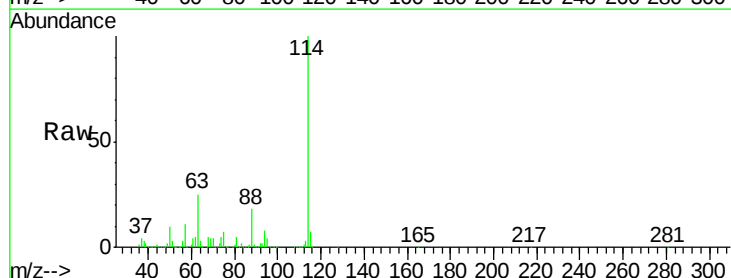
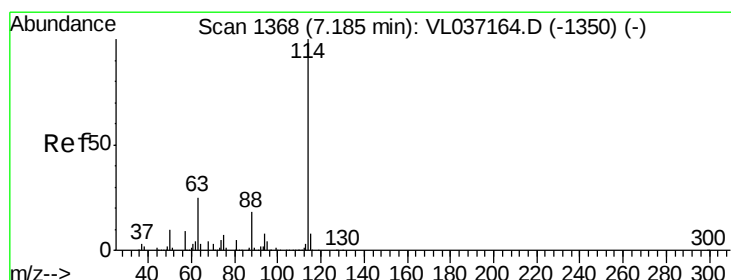
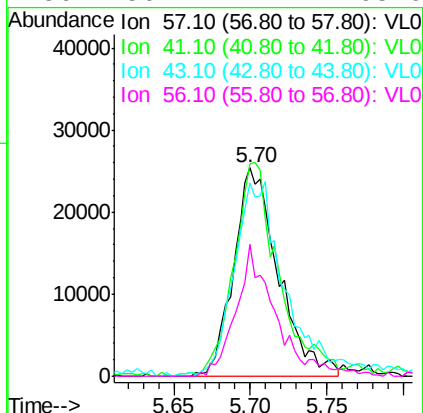
#26
Hexane
Concen: 0.332 ppbv m
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

Tot Ion	Ratio	Lower	Upper
57	100		
41	106.2	73.5	110.3
43	105.8	170.7	256.1#
56	56.1	42.4	63.6

Instrument :
MSVOA_L
ClientSampleId :
1

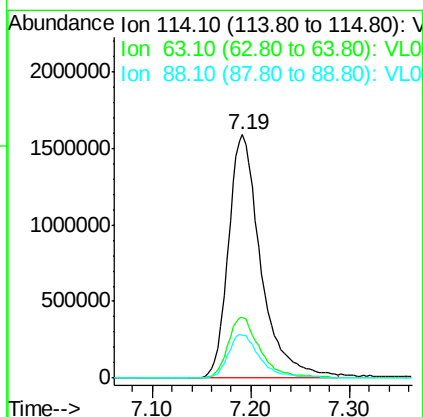
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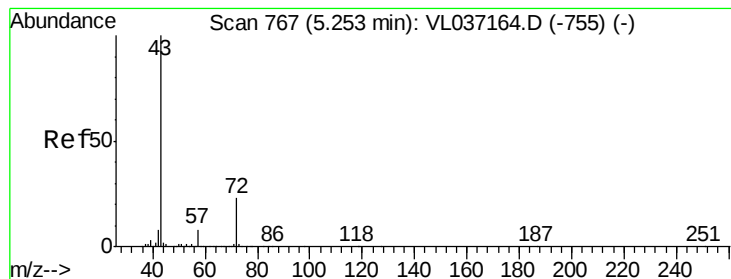
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.6	29.4
88	18.2	14.2	21.2





#34

2-Butanone

Concen: 0.155 ppbv m

RT: 5.29 min Scan# 777

Delta R.T. 0.03 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 43 Resp: 22009

Ion Ratio Lower Upper

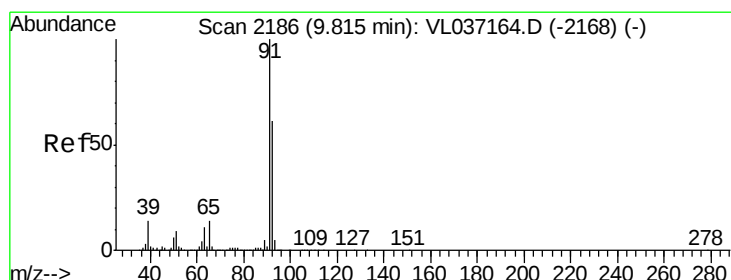
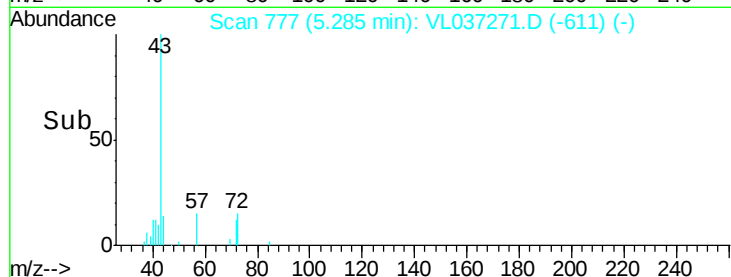
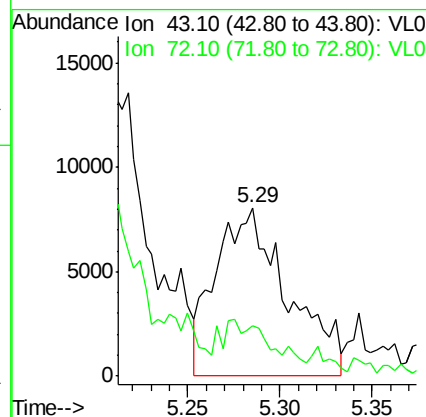
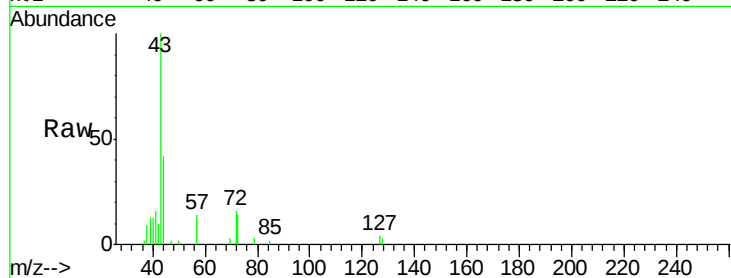
43 100

72 0.0 18.9 28.3#

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#53

Toluene

Concen: 0.175 ppbv m

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037271.D

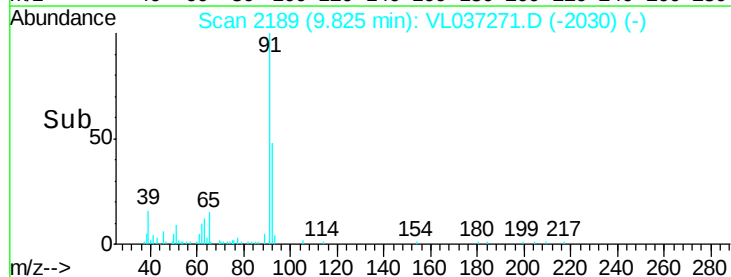
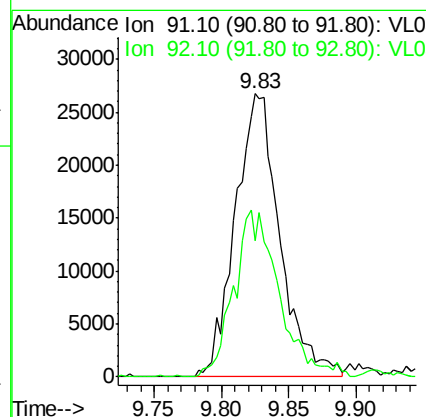
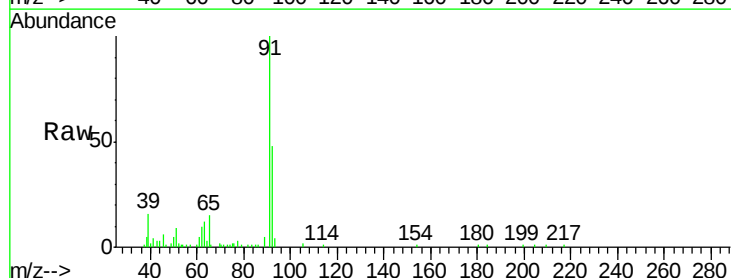
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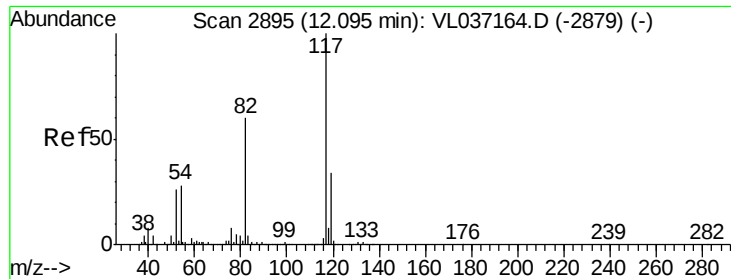
Tgt Ion: 91 Resp: 61671

Ion Ratio Lower Upper

91 100

92 59.5 48.3 72.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

1

Tot Ion:117 Resp: 3230146

Ion Ratio Lower Upper

117 100

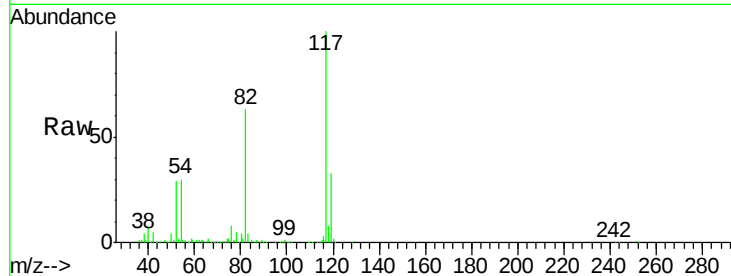
82 64.9 51.7 77.5

119 34.3 47.6 71.4#

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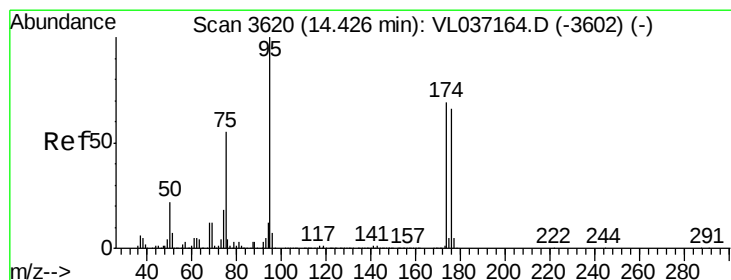
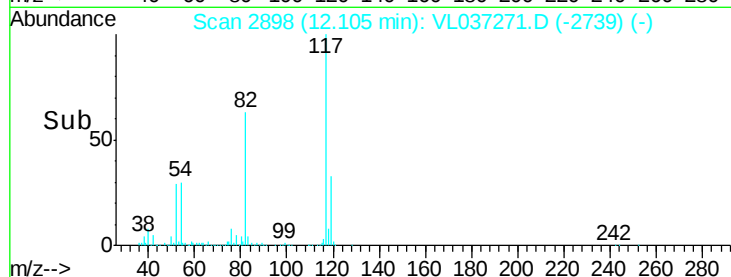
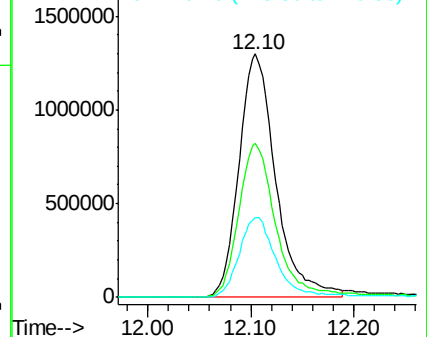
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.006 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

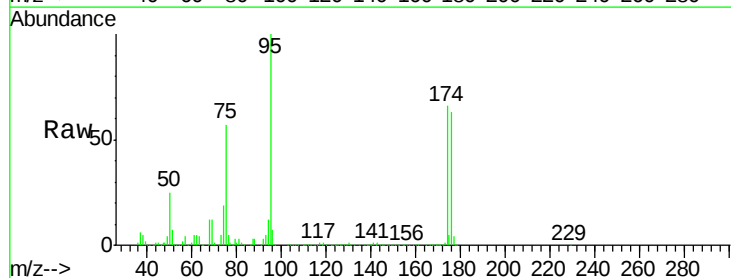
Tgt Ion: 95 Resp: 2449084

Ion Ratio Lower Upper

95 100

174 73.0 57.0 85.4

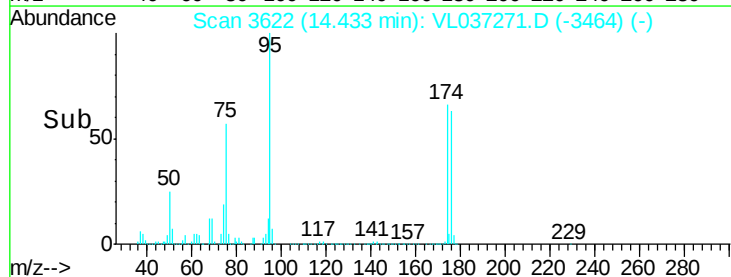
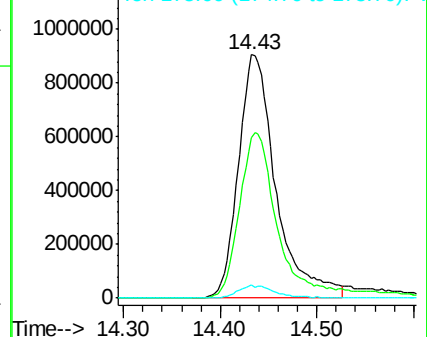
175 5.3 4.4 6.6

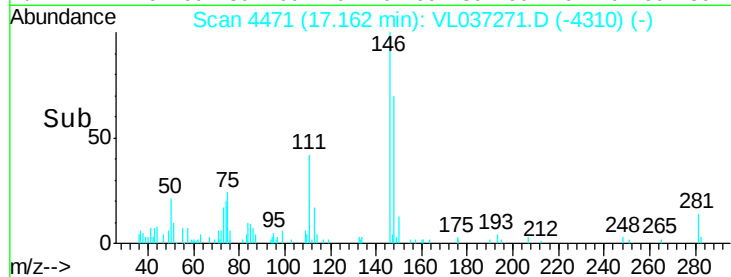
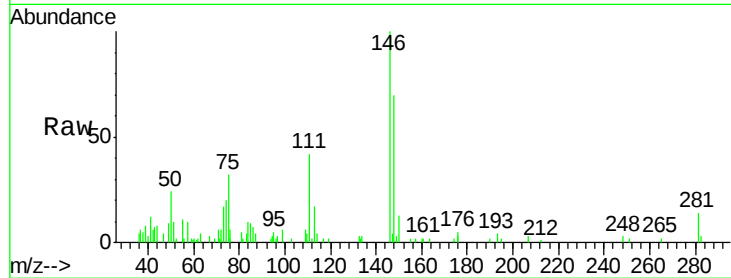
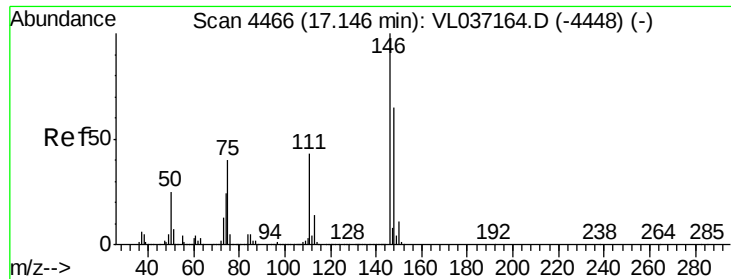


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#76
 1,4-Dichlorobenzene
 Concen: 0.138 ppbv m
 RT: 17.16 min Scan# 4471
 Delta R.T. 0.02 min
 Lab File: VL037271.D
 Acq: 2 Jul 2021 12:32

Tot Ion	Ratio	Resp	Lower	Upper
146	100	33998		
111	0.0	22.7	68.0#	
148	65.3	33.7	101.1	

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
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