

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037688.D
 Acq On : 27 Sep 2021 19:59
 Operator : SY/AP
 Sample : M3896-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
 APPROVED

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 10/1/2021 11:05:19 AM

Quant Time: Sep 28 20:34:09 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	1571351	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4676048	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3987862	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2841755	9.86	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.65	45	18129m	1.773	ppbv	
15) Acetone	3.87	43	270649m	1.658	ppbv	
19) Isopropyl Alcohol	4.00	45	58556	0.659	ppbv	# 49
20) Methylene Chloride	4.36	84	52999m	0.680	ppbv	
26) Hexane	5.69	57	47652m	0.254	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	24423	0.096	ppbv	94
34) 2-Butanone	5.27	43	70740m	0.372	ppbv	
53) Toluene	9.81	91	53265m	0.123	ppbv	
59) m/p-Xylene	12.98	91	61403m	0.133	ppbv	

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

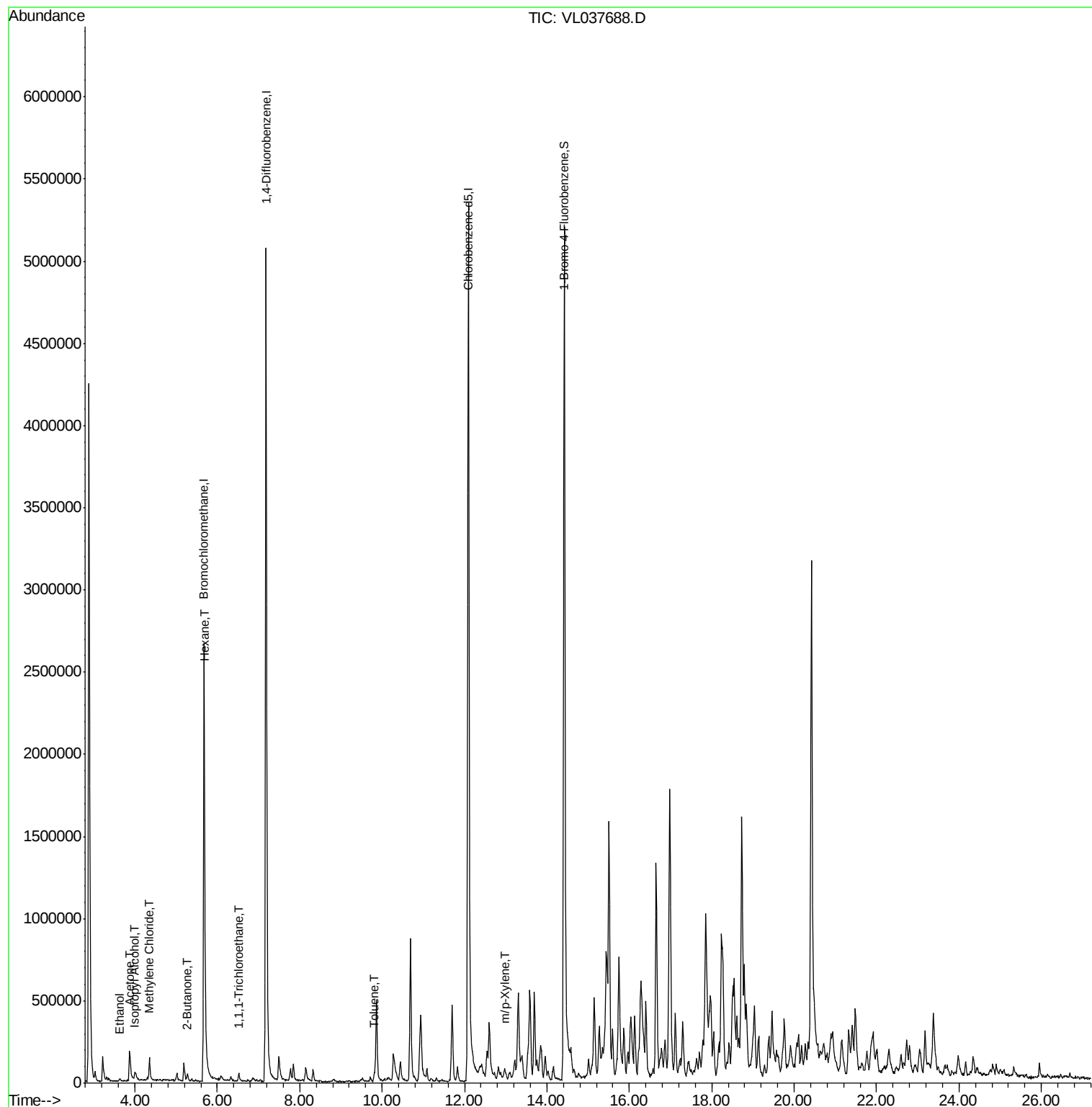
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
Data File : VL037688.D
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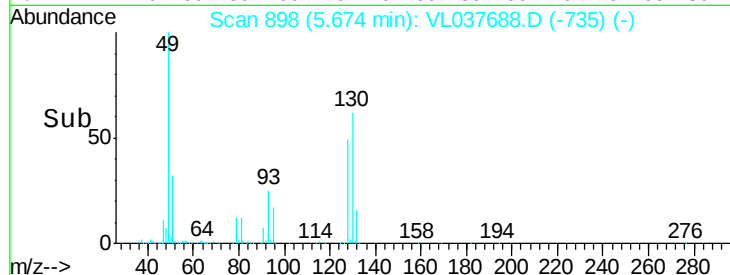
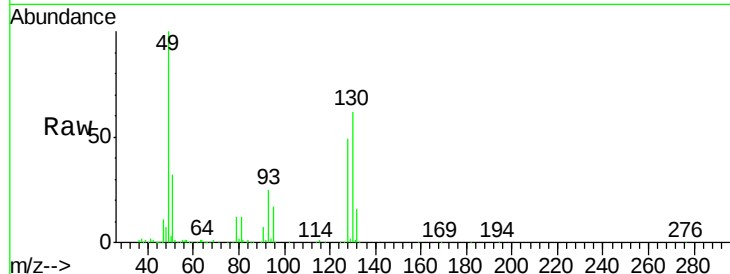
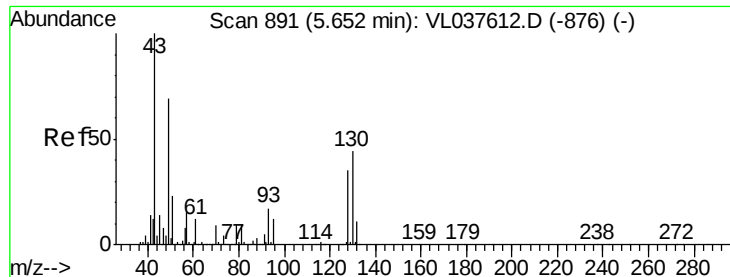
Instrument :
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ClientSampleId :
EFFLUENTDL

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Quant Time: Sep 28 20:34:09 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# 898

Delta R.T. 0.02 min

Lab File: VL037688.D

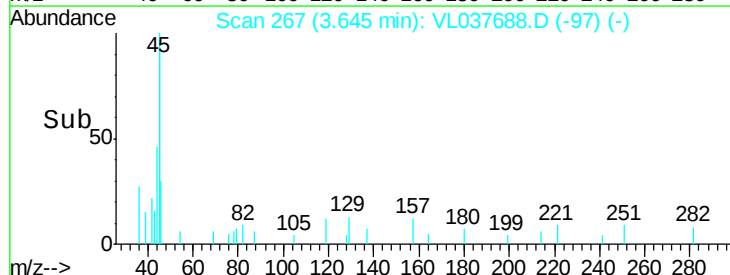
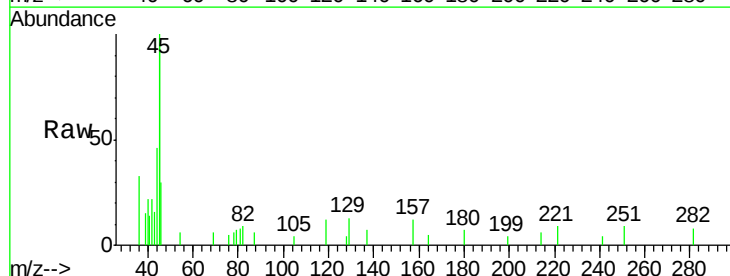
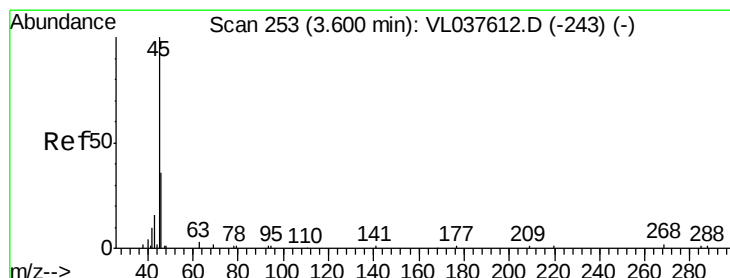
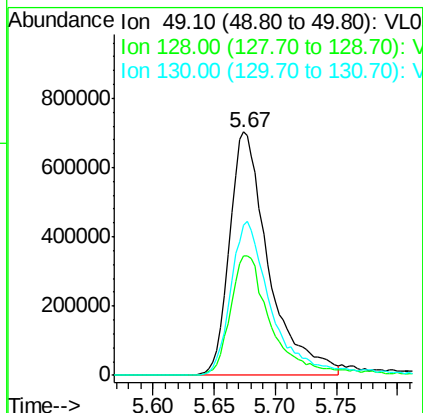
Acq: 27 Sep 2021 19:59

Tgt Ion:	49	Resp:	1571351
Ion	Ratio	Lower	Upper
49	100		
128	52.1	27.9	83.6
130	68.2	33.9	101.7

Instrument :
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#13

Ethanol

Concen: 1.773 ppbv m

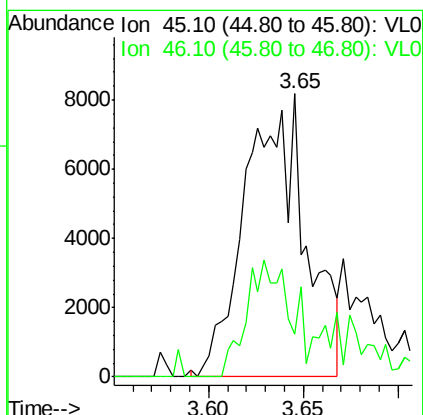
RT: 3.65 min Scan# 267

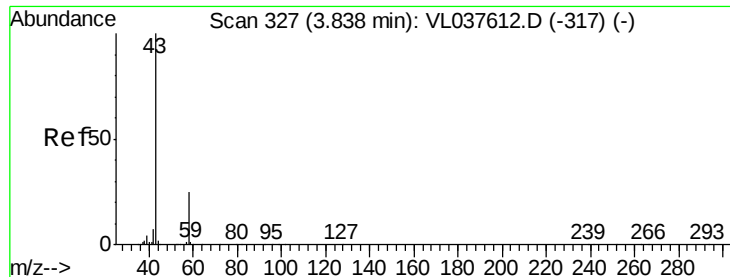
Delta R.T. 0.05 min

Lab File: VL037688.D

Acq: 27 Sep 2021 19:59

Tgt Ion:	45	Resp:	18129
Ion	Ratio	Lower	Upper
45	100		
46	47.3	17.2	68.8





#15

Acetone

Concen: 1.658 ppbv m

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL037688.D

Acq: 27 Sep 2021 19:59

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tgt Ion: 43 Resp: 270649

Ion Ratio Lower Upper

43 100

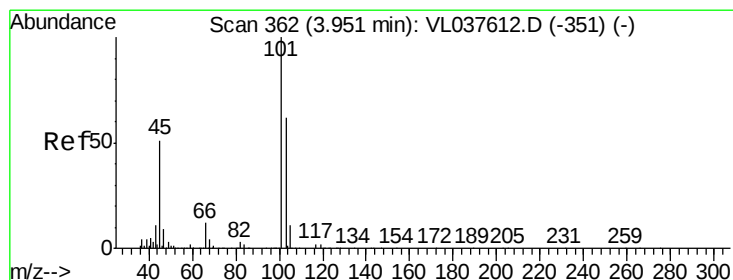
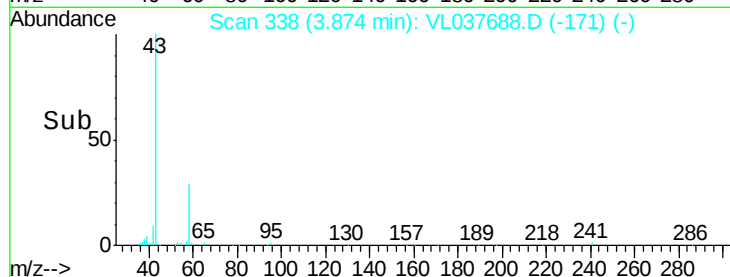
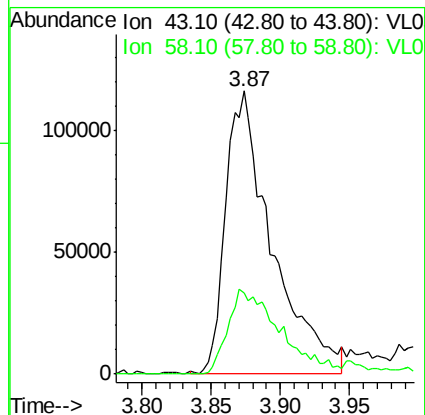
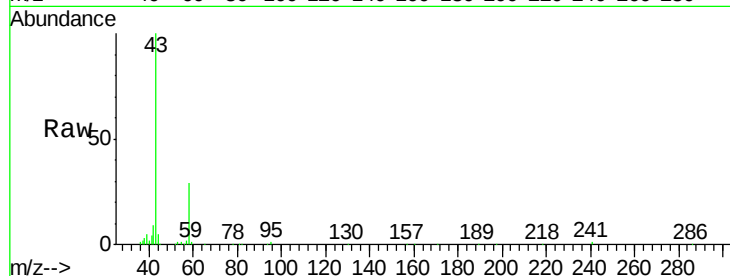
58 38.2 24.9 37.3#

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#19

Isopropyl Alcohol

Concen: 0.659 ppbv

RT: 4.00 min Scan# 377

Delta R.T. 0.05 min

Lab File: VL037688.D

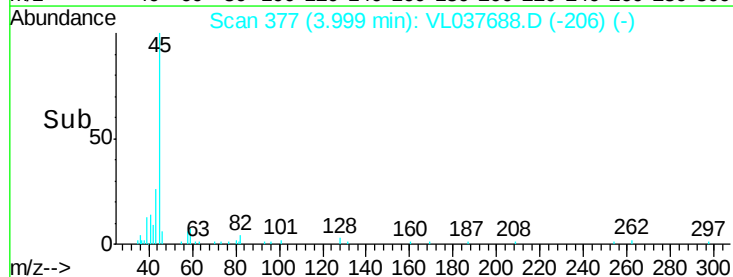
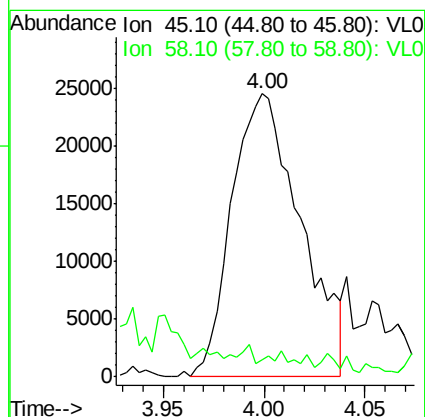
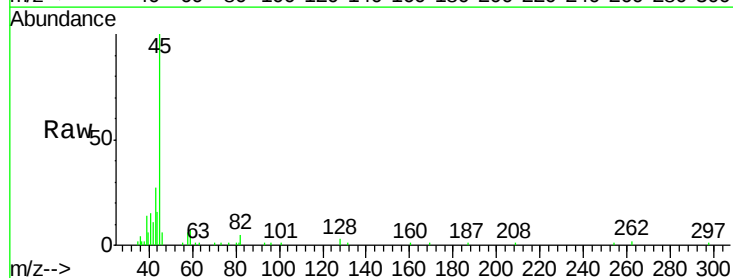
Acq: 27 Sep 2021 19:59

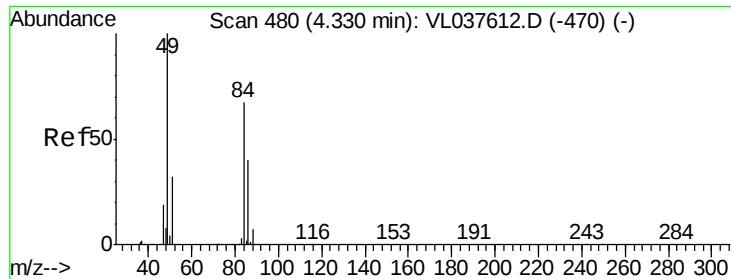
Tgt Ion: 45 Resp: 58556

Ion Ratio Lower Upper

45 100

58 20.4 2.9 4.3#





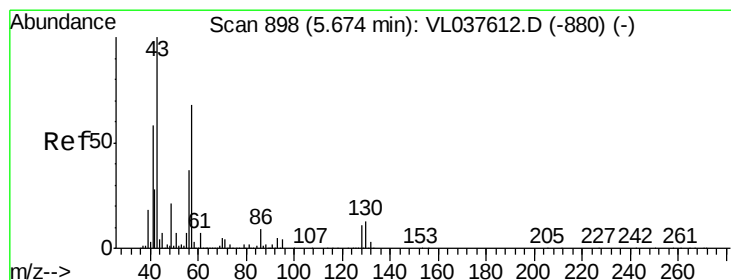
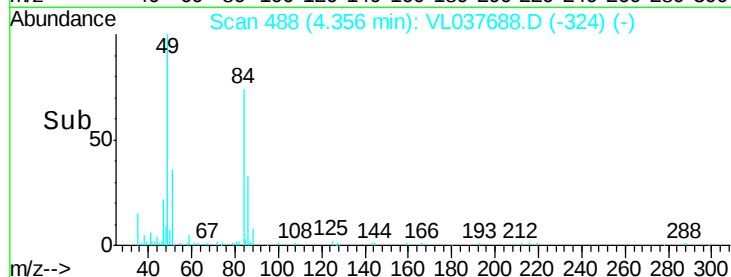
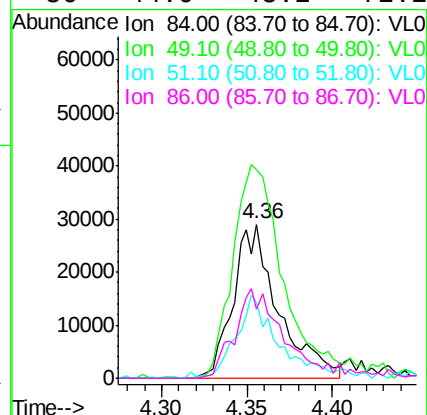
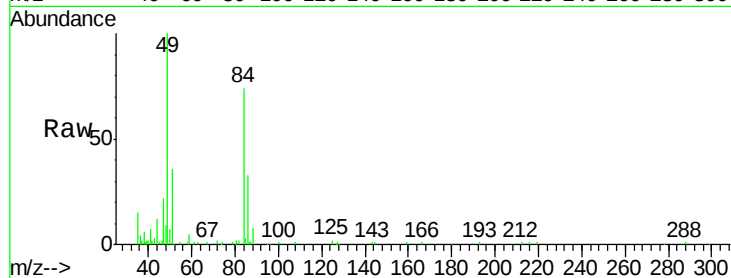
#20
Methylene Chloride
Concen: 0.680 ppbv m
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037688.D
Acq: 27 Sep 2021 19:59

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.7	120.0	180.0
51	49.5	38.0	57.0
86	44.9	48.2	72.2#

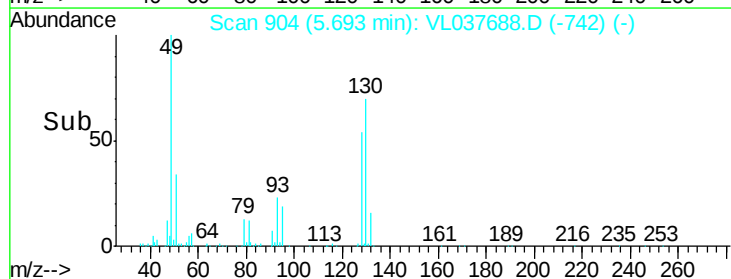
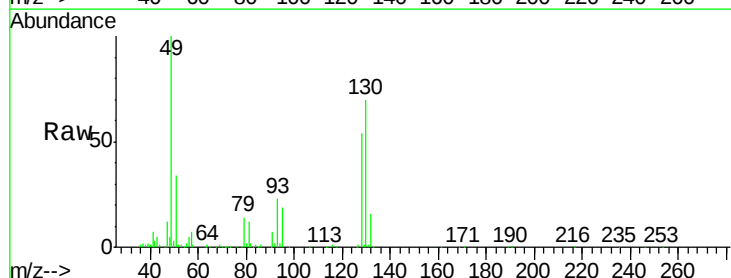
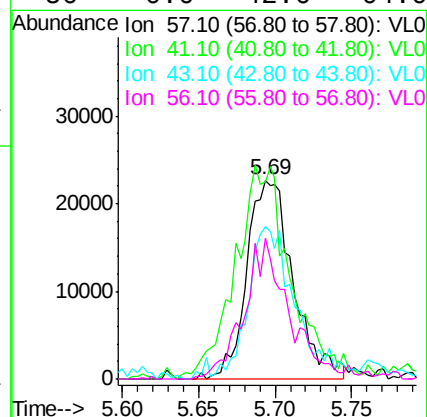
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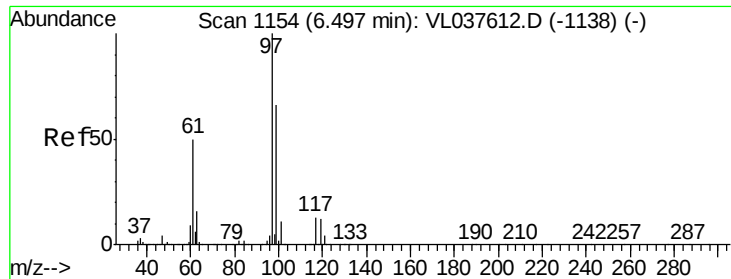
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#26
Hexane
Concen: 0.254 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037688.D
Acq: 27 Sep 2021 19:59

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





#32

1,1,1-Trichloroethane

Concen: 0.096 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.02 min

Lab File: VL037688.D

Acq: 27 Sep 2021 19:59

Instrument :

MSVOA_L

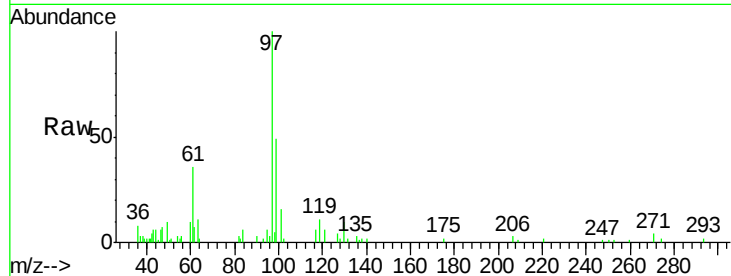
ClientSampleId :

EFFLUENTDL

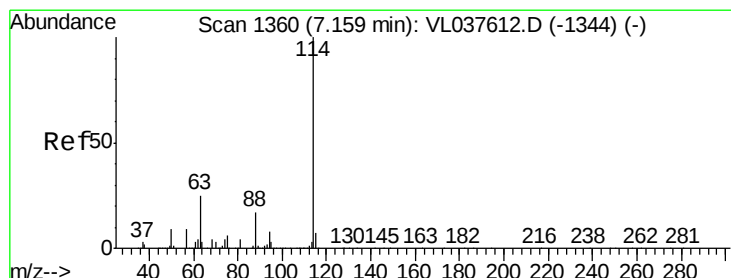
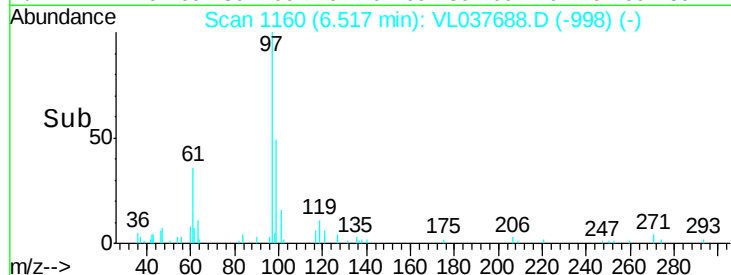
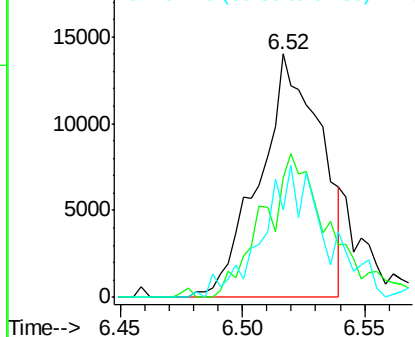
Tgt Ion:	97	Resp:	24423
Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.3	78.5
61	58.6	39.5	59.3

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

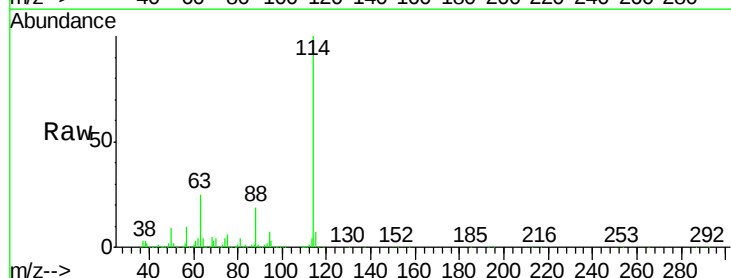
RT: 7.18 min Scan# 1367

Delta R.T. 0.02 min

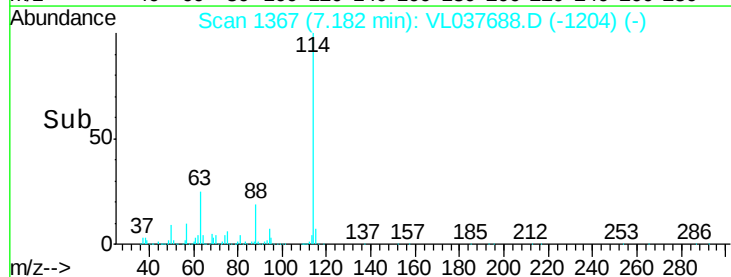
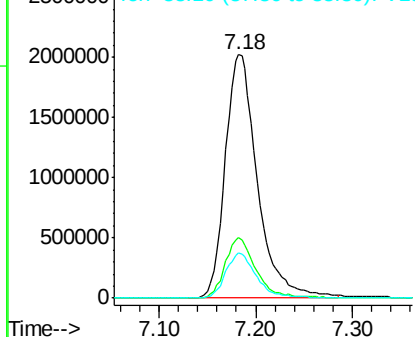
Lab File: VL037688.D

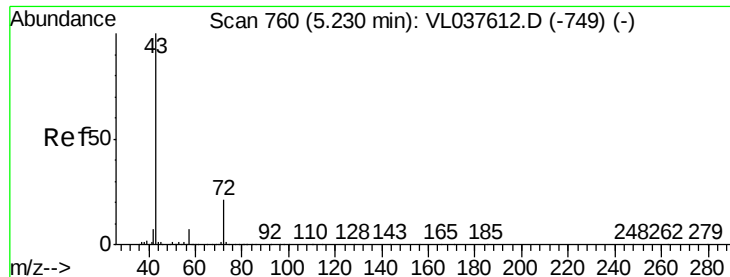
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Tgt Ion:	114	Resp:	4676048
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.8	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.372 ppbv m

RT: 5.27 min Scan# 772

Delta R.T. 0.04 min

Lab File: VL037688.D

Acq: 27 Sep 2021 19:59

Instrument :

MSVOA_L

ClientSampleID :

EFFLUENTDL

Tgt Ion: 43 Resp: 70740

Ion Ratio Lower Upper

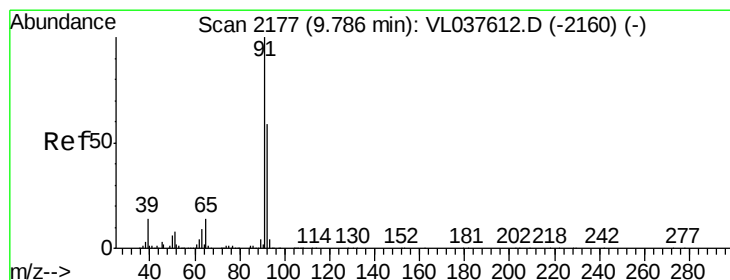
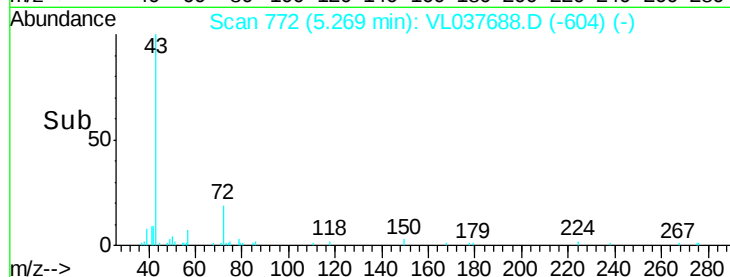
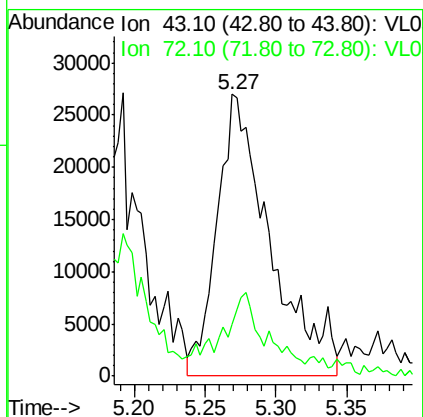
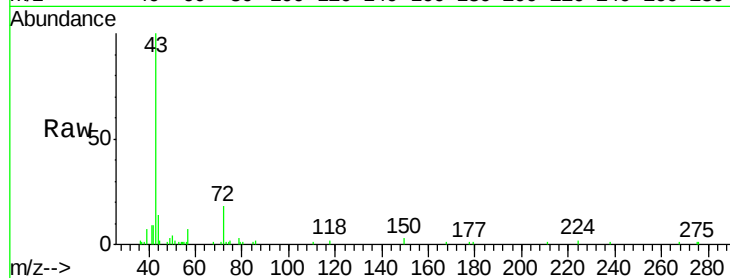
43 100

72 0.0 18.4 27.6#

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#53

Toluene

Concen: 0.123 ppbv m

RT: 9.81 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL037688.D

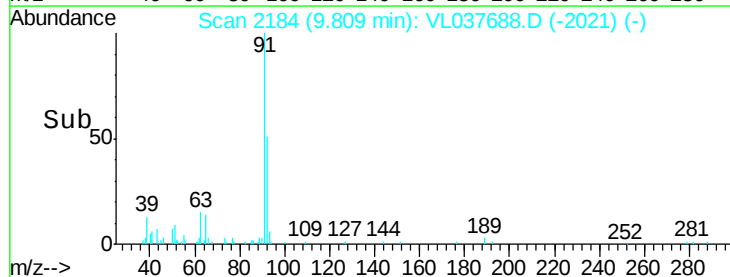
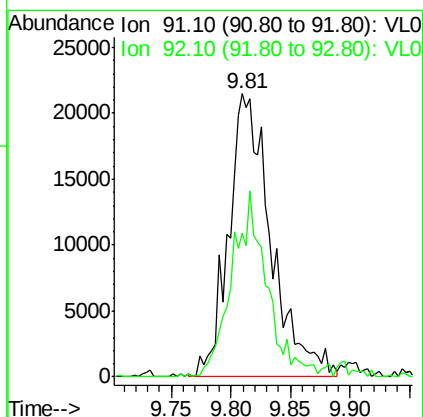
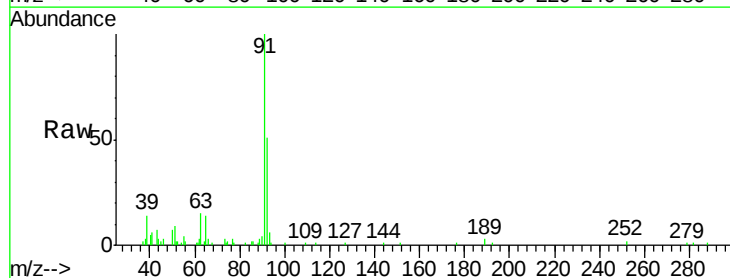
Acq: 27 Sep 2021 19:59

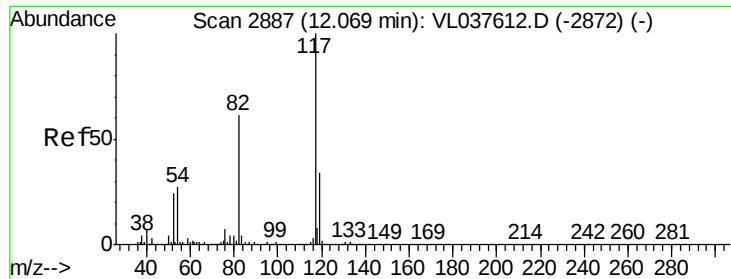
Tgt Ion: 91 Resp: 53265

Ion Ratio Lower Upper

91 100

92 54.9 48.9 73.3





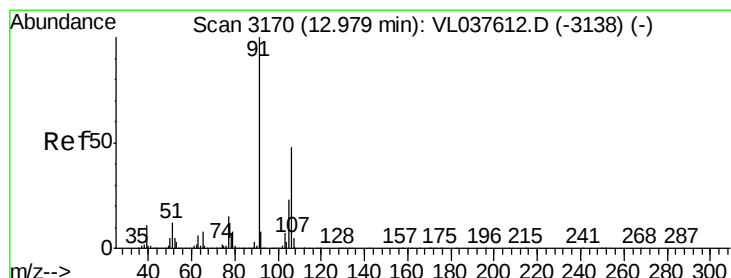
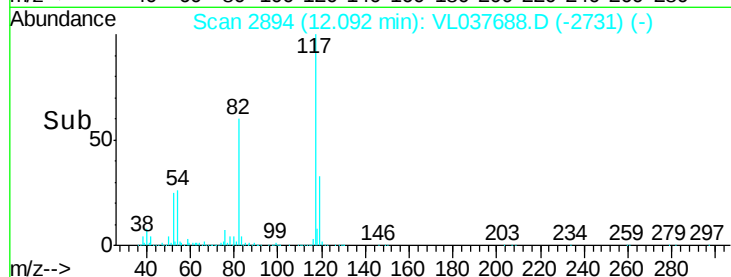
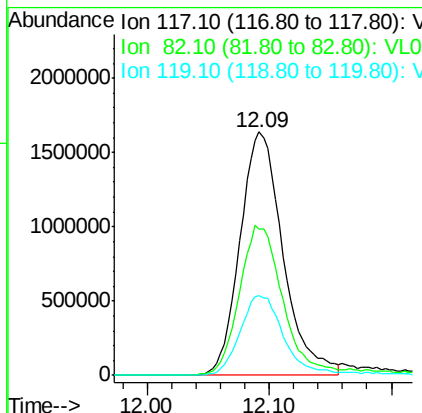
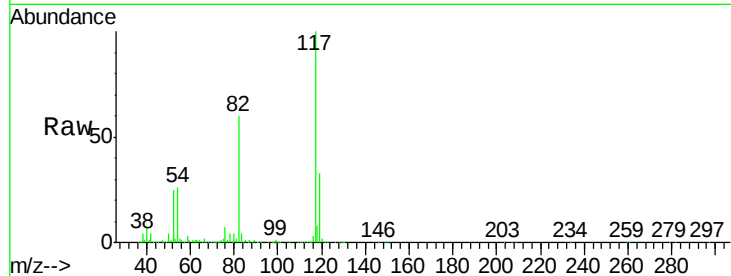
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037688.D
Acq: 27 Sep 2021 19:59

Instrument :
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ClientSampleId :
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Tgt Ion: 117 Resp: 3987862
Ion Ratio Lower Upper
117 100
82 66.2 50.6 75.8
119 34.9 26.2 39.2

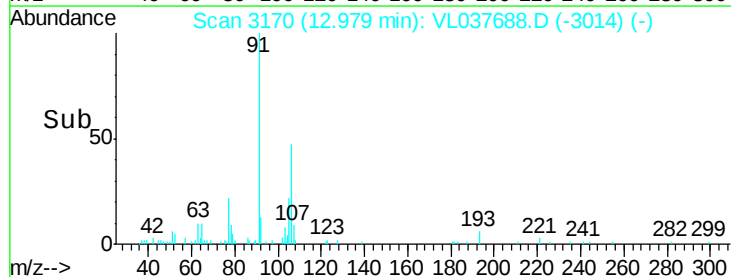
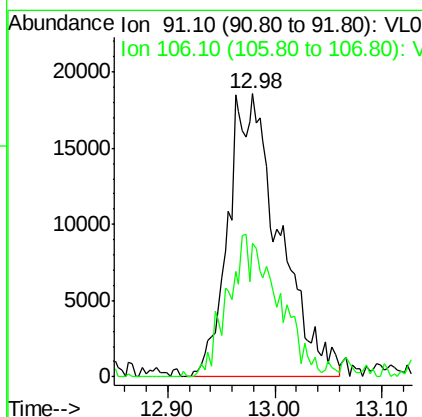
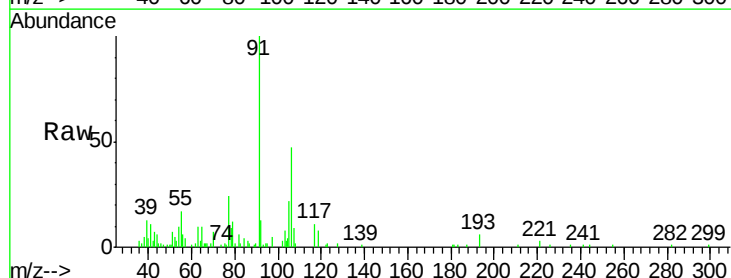
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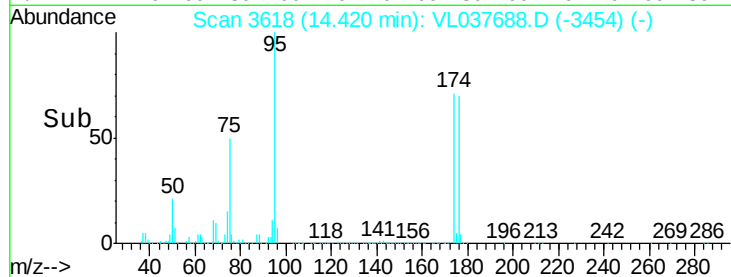
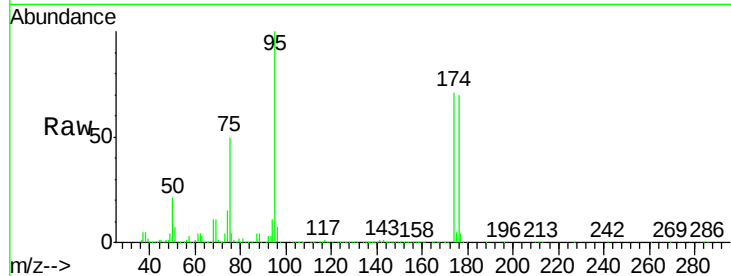
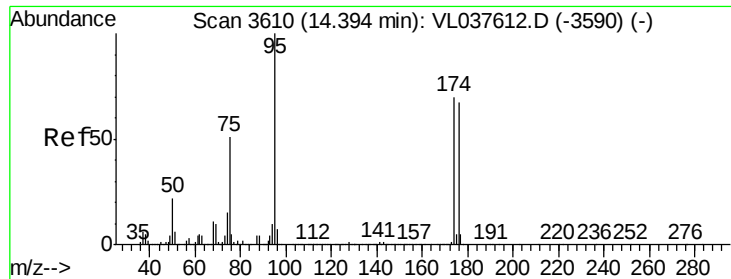
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#59
m/p-Xylene
Concen: 0.133 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL037688.D
Acq: 27 Sep 2021 19:59

Tgt Ion: 91 Resp: 61403
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.860 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037688.D

Acq: 27 Sep 2021 19:59

Tgt Ion: 95 Resp: 2841755

Ion Ratio Lower Upper

95 100

174 79.8 56.3 84.5

175 5.5 4.4 6.6

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Manual Integrations

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