

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036282.D
 Acq On : 28 Jan 2021 21:52
 Operator : SY/AP
 Sample : M1245-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Manual Integrations
 APPROVED

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 2/1/2021 1:52:33 PM

Quant Time: Jan 31 17:16:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1534839	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3364150	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3082794	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2635859	10.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%
Target Compounds						
13) Ethanol	3.59	45	934949m	66.332	ppbv	Ovalue
15) Acetone	3.84	43	1705641m	9.074	ppbv	
17) tert-Butyl alcohol	4.28	59	993363	6.404	ppbv	99

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

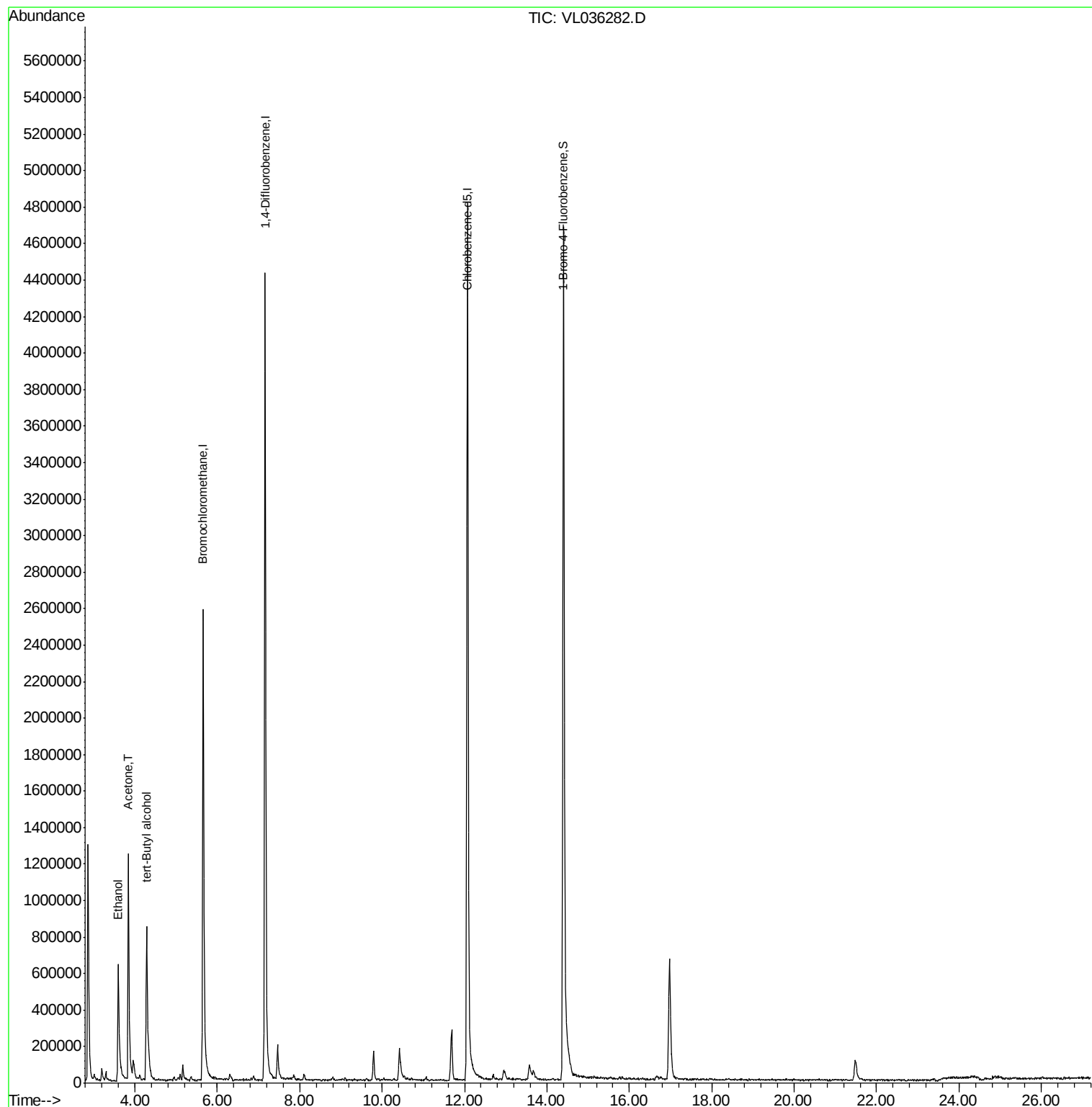
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012821\
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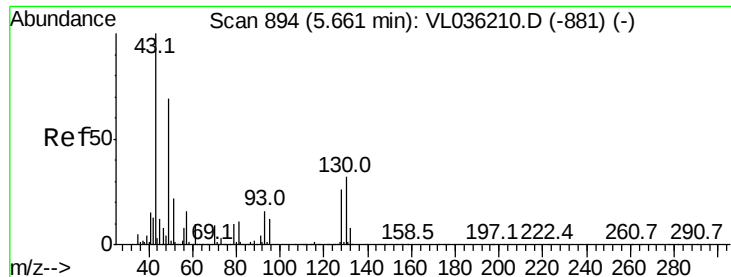
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Manual Integrations
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Quant Time: Jan 31 17:16:15 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL036282.D

Acq: 28 Jan 2021 21:52

Instrument :

MSVOA_L

ClientSampled :

SS-1DL

Tot Ion: 49 Resp: 1534839

Ion Ratio Lower Upper

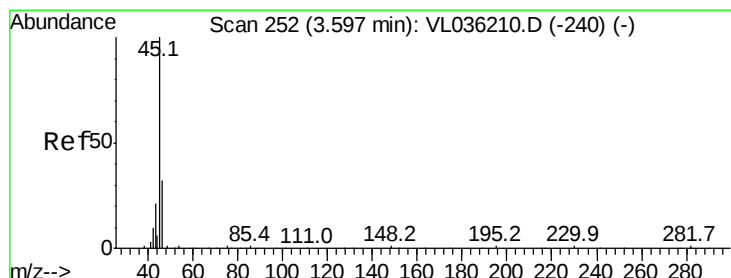
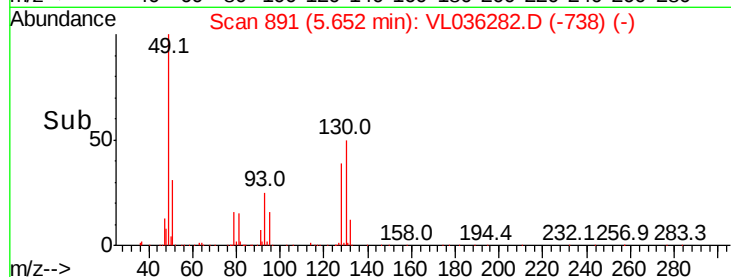
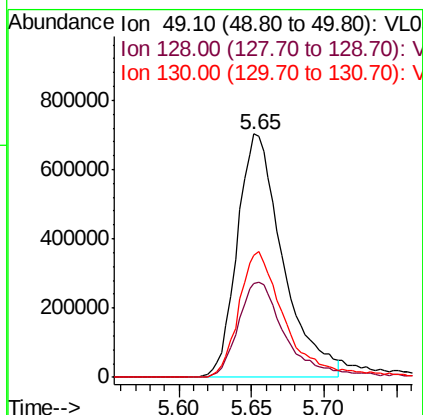
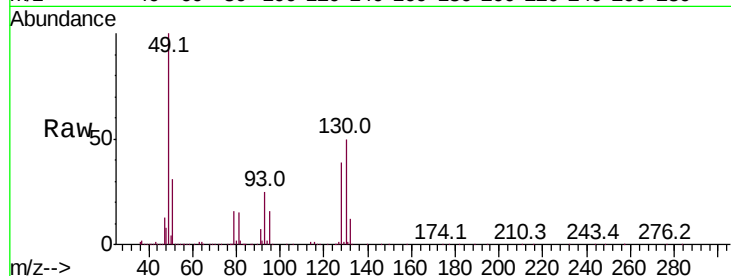
49 100

128 42.1 20.1 60.2

130 53.0 25.3 75.9

Manual Integrations
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#13

Ethanol

Concen: 66.332 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL036282.D

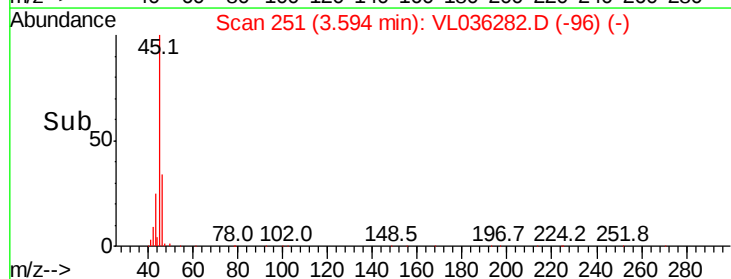
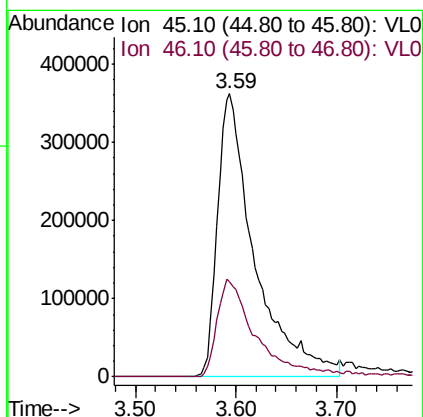
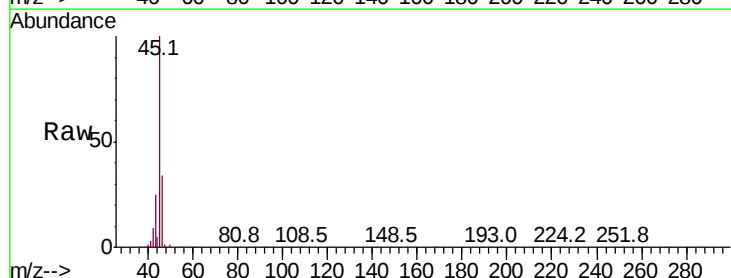
Acq: 28 Jan 2021 21:52

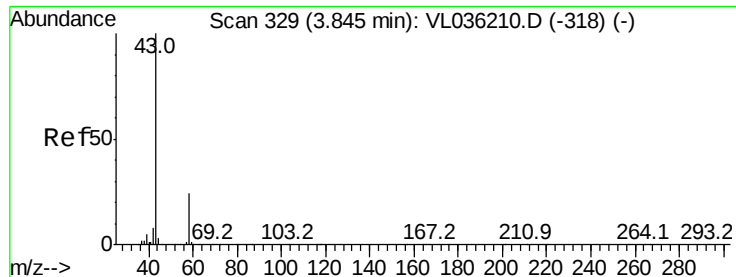
Tgt Ion: 45 Resp: 934949

Ion Ratio Lower Upper

45 100

46 36.9 19.2 77.0





#15

Acetone

Concen: 9.074 ppbv m

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036282.D

Acq: 28 Jan 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

Tot Ion: 43 Resp: 1705641

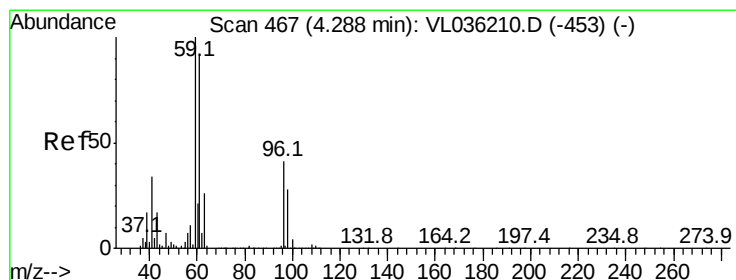
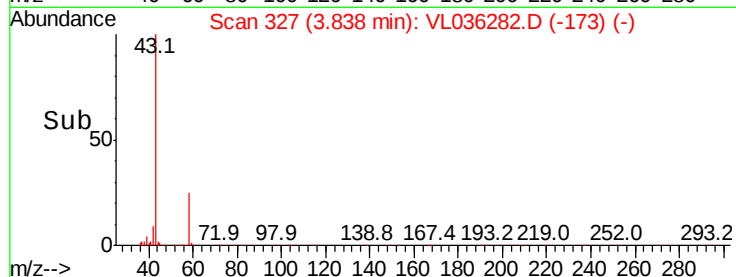
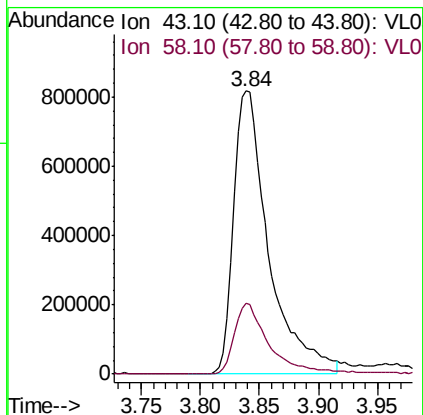
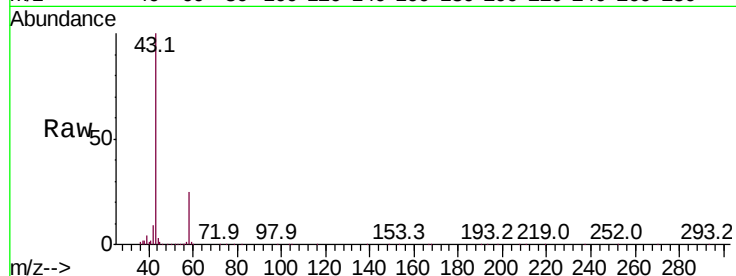
Ion Ratio Lower Upper

43 100

58 25.7 20.9 31.3

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#17

tert-Butyl alcohol

Concen: 6.404 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036282.D

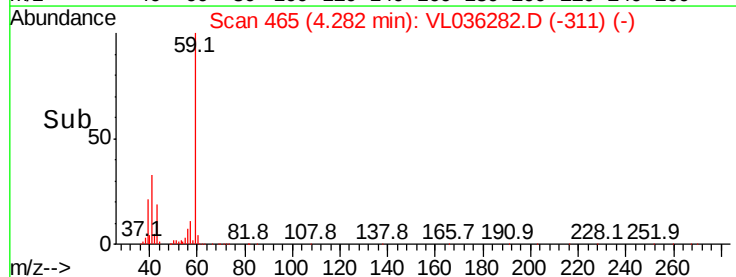
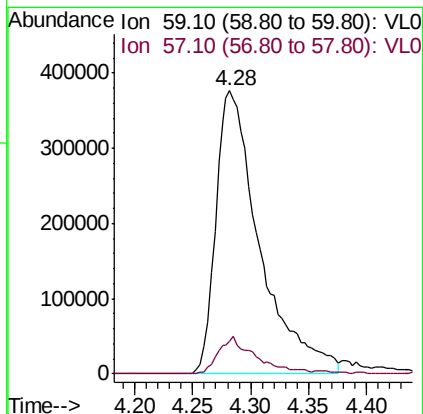
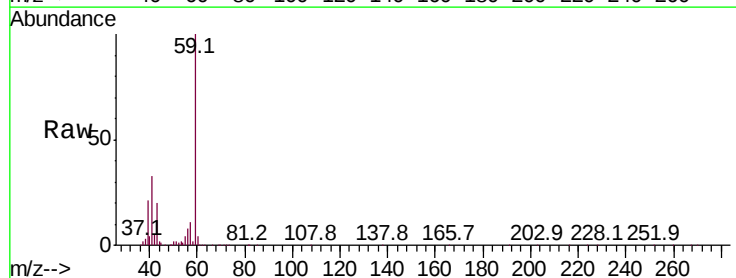
Acq: 28 Jan 2021 21:52

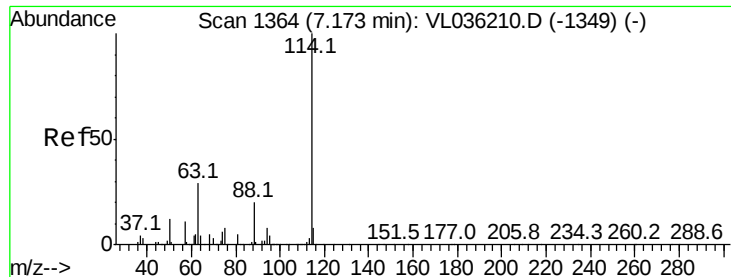
Tgt Ion: 59 Resp: 993363

Ion Ratio Lower Upper

59 100

57 12.1 9.2 13.8





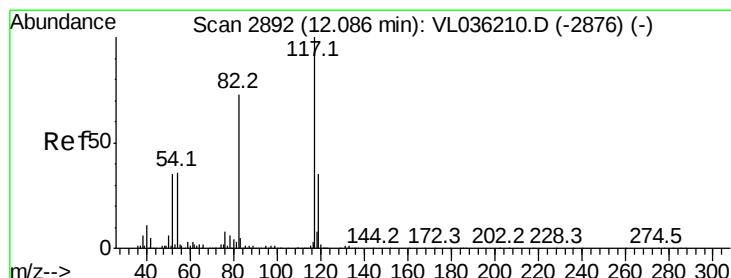
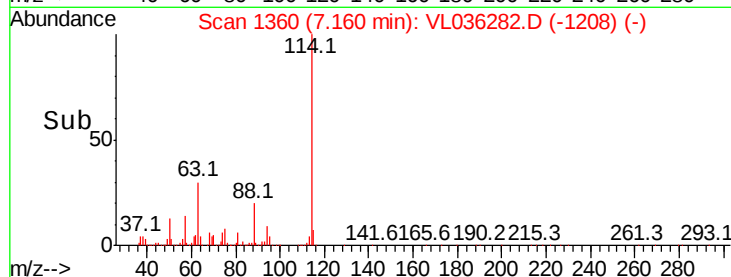
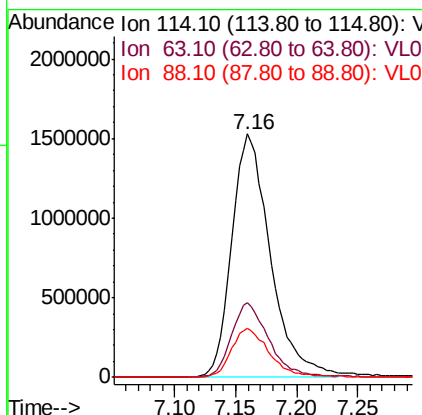
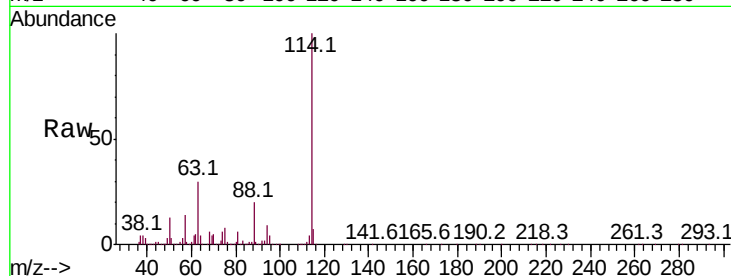
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VL036282.D
 Acq: 28 Jan 2021 21:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.7	37.1
88	20.2	16.6	24.8

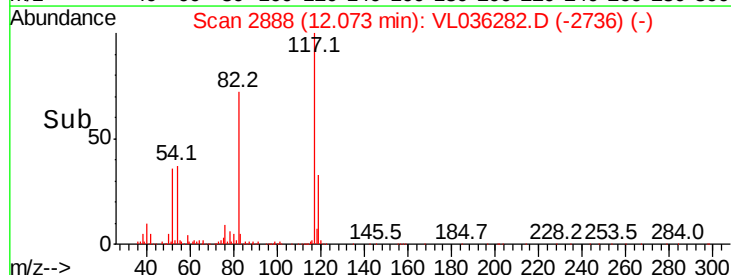
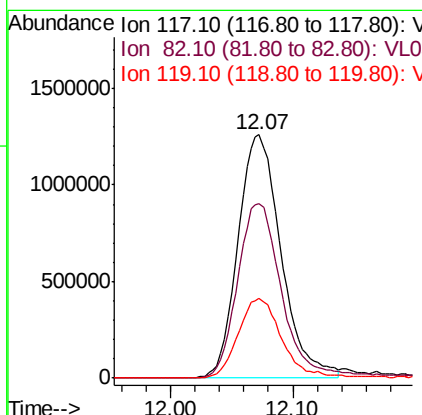
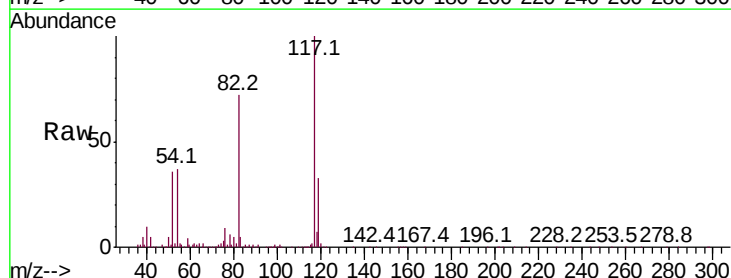
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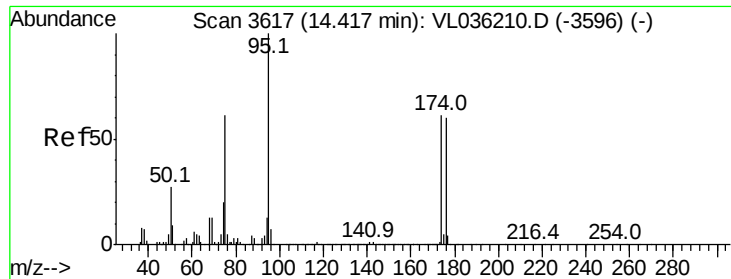
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. -0.01 min
 Lab File: VL036282.D
 Acq: 28 Jan 2021 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	76.1	59.7	89.5
119	33.5	28.6	43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.330 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.02 min

Lab File: VL036282.D

Acq: 28 Jan 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

Tot Ion: 95 Resp: 2635859

Ion Ratio Lower Upper

95 100

174 62.0 49.4 74.0

175 4.4 3.8 5.8

Manual Integrations
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