

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033949.D
 Acq On : 24 Jun 2019 23:15
 Operator : SY/AP
 Sample : K3481-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1DL

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:47 AM

Quant Time: Jun 25 04:58:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	936982	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	2348489	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2398959	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.55	95	1900183	9.64	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	156775	1.147	ppbv	98
34) 2-Butanone	5.33	43	12623m	0.095	ppbv	
53) Toluene	9.92	91	115072	0.580	ppbv	99
59) m/p-Xylene	13.09	91	59014	0.240	ppbv	99

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

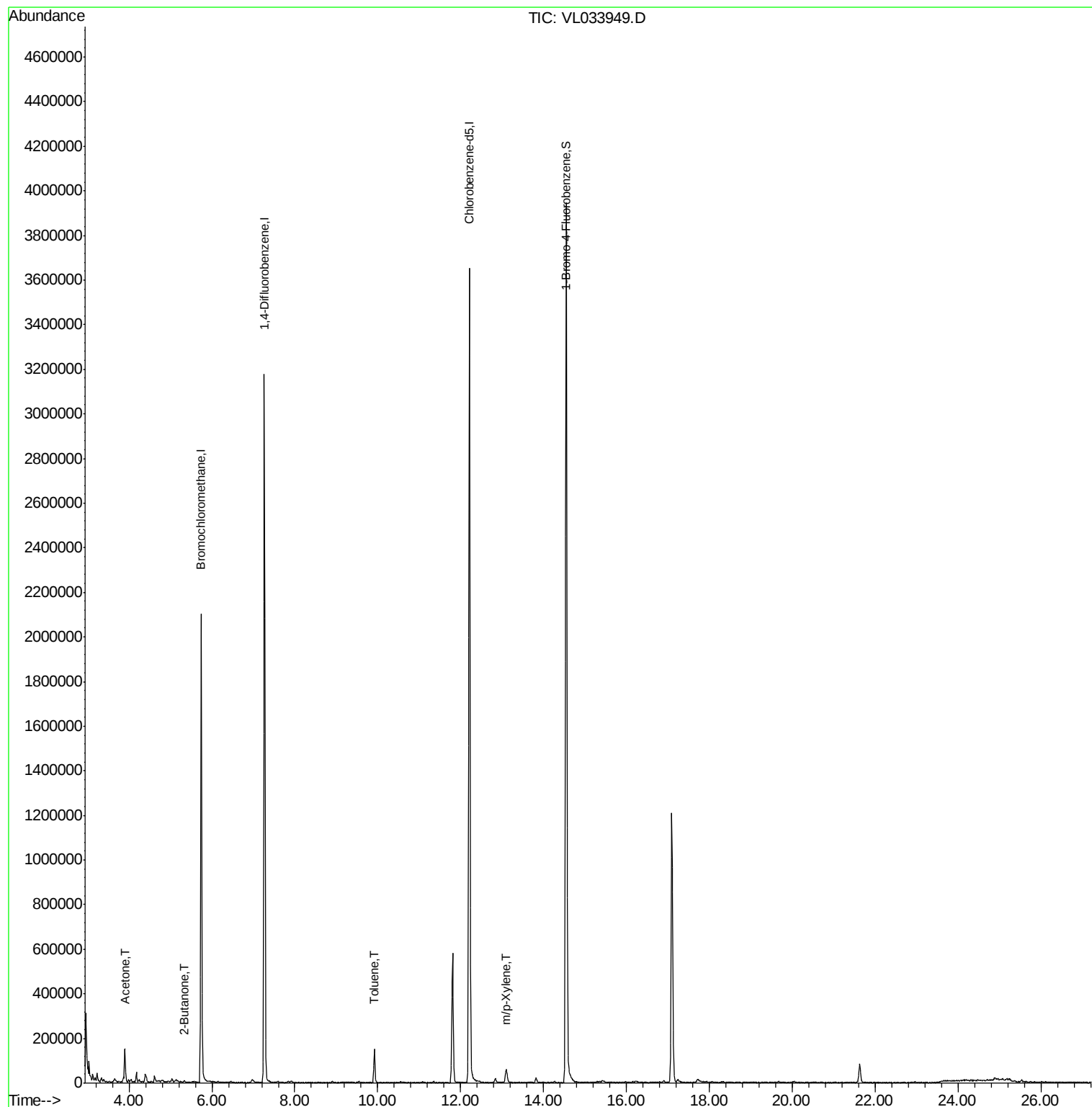
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062419\
Data File : VL033949.D
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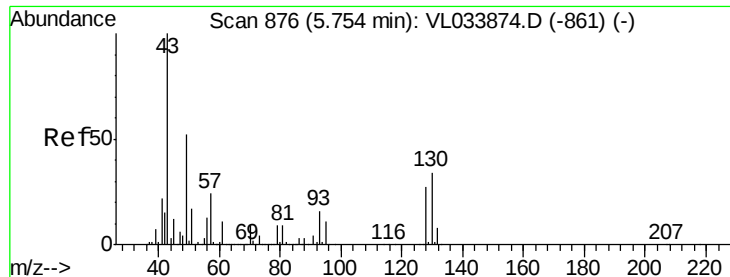
Instrument :
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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

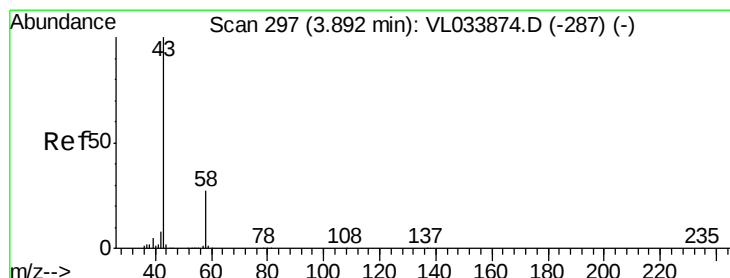
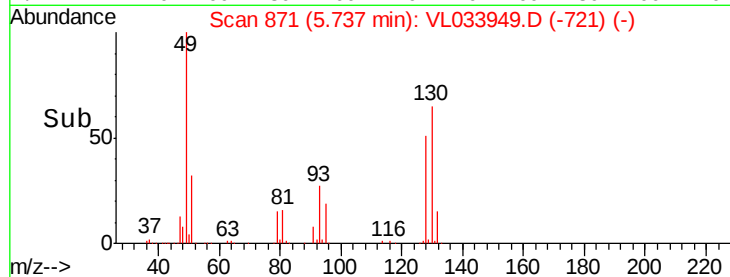
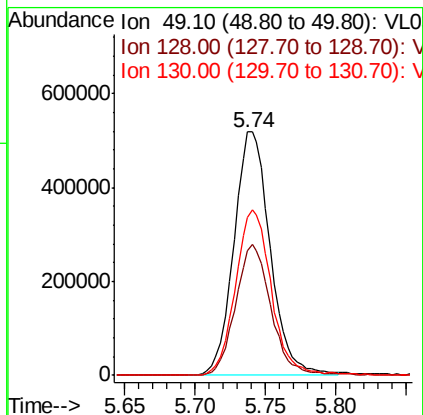
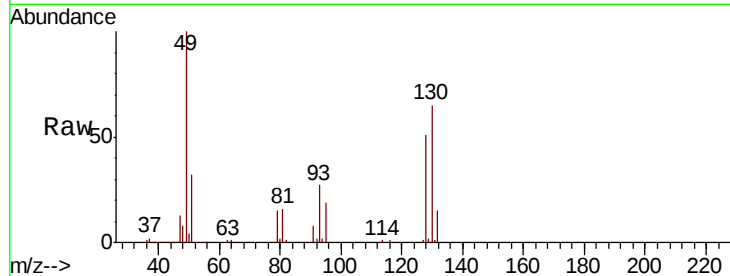
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.74 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: VL033949.D
 Acq: 24 Jun 2019 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.7	25.5	76.5
130	68.1	32.5	97.4

Manual Integrations
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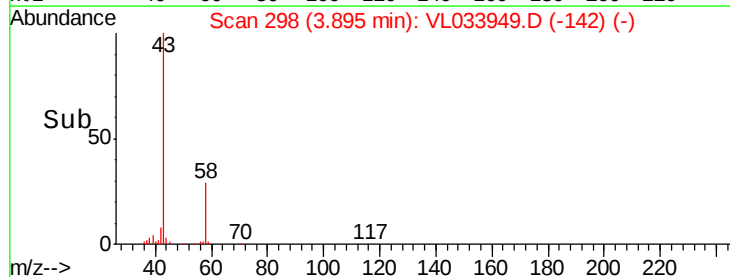
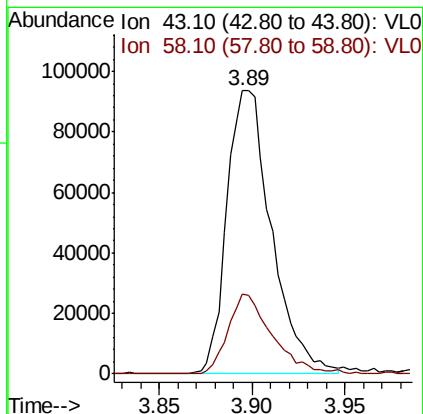
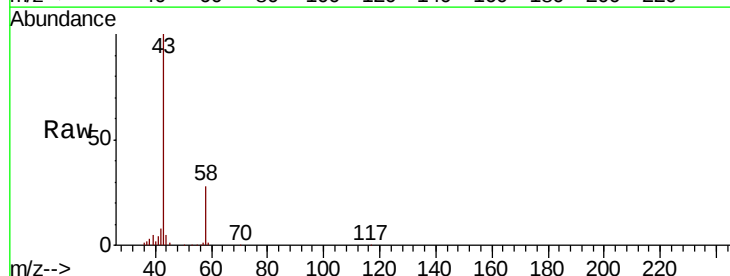
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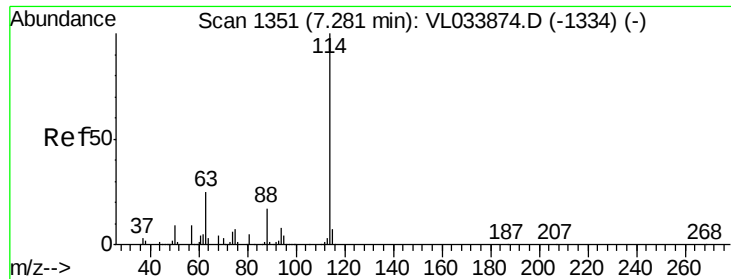


#15

Acetone
 Concen: 1.147 ppbv
 RT: 3.89 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VL033949.D
 Acq: 24 Jun 2019 23:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.3	31.9





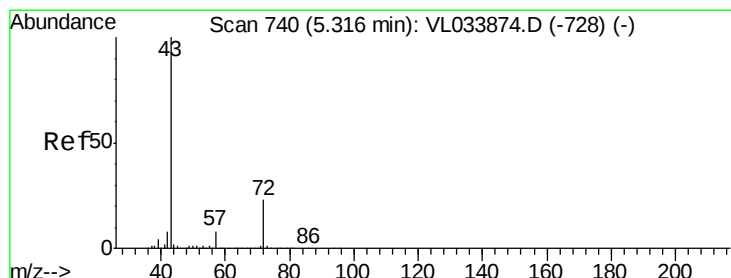
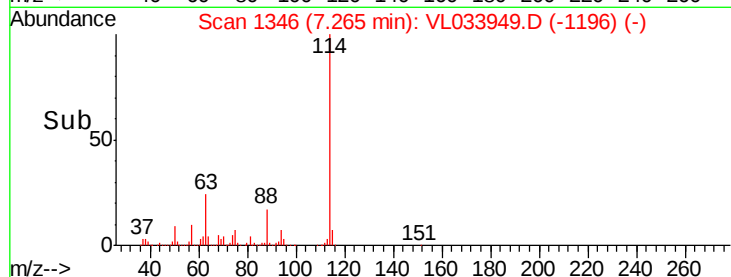
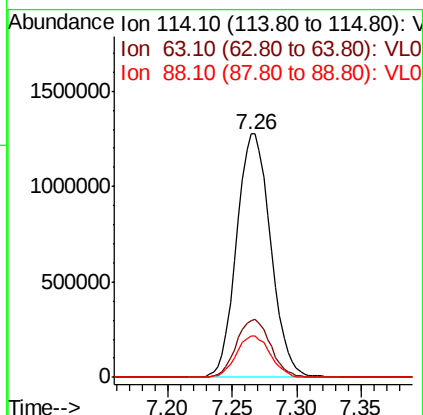
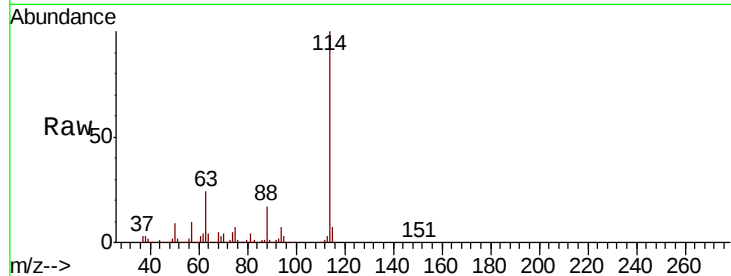
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033949.D
 Acq: 24 Jun 2019 23:15

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1DL

Tot Ion:114 Resp: 2348489
 Ion Ratio Lower Upper
 114 100
 63 23.9 21.1 31.7
 88 17.1 14.2 21.4

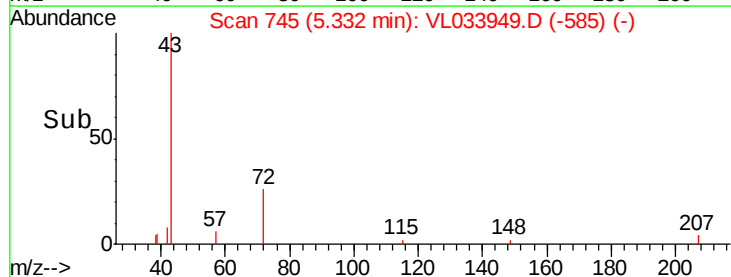
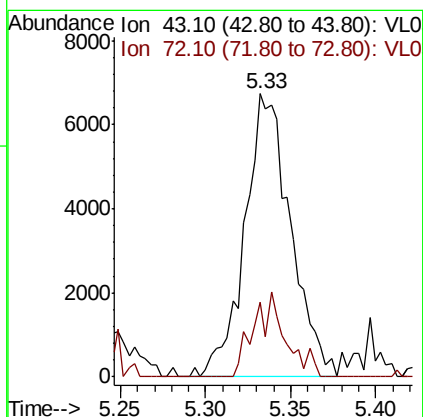
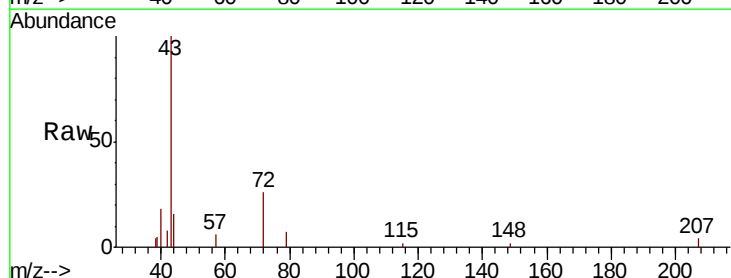
Manual Integrations
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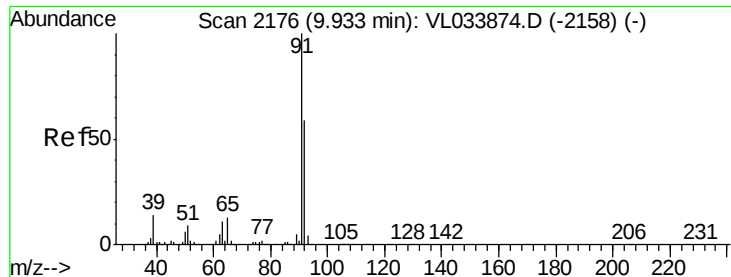
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#34
 2-Butanone
 Concen: 0.095 ppbv m
 RT: 5.33 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: VL033949.D
 Acq: 24 Jun 2019 23:15

Tgt Ion: 43 Resp: 12623
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.9 26.9#





#53

Toluene

Concen: 0.580 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033949.D

Acq: 24 Jun 2019 23:15

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1DL

Tot Ion: 91 Resp: 115072

Ion Ratio Lower Upper

91 100

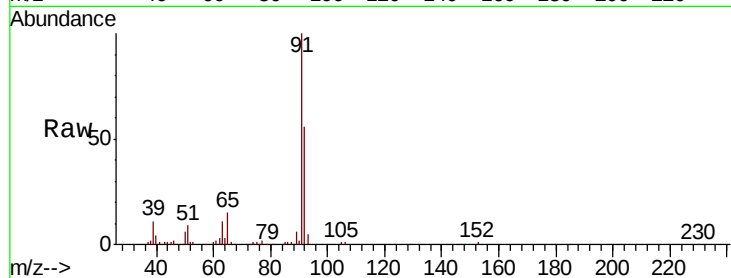
92 59.3 47.0 70.6

Manual Integrations

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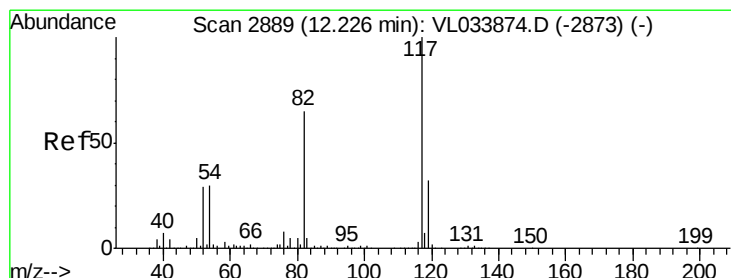
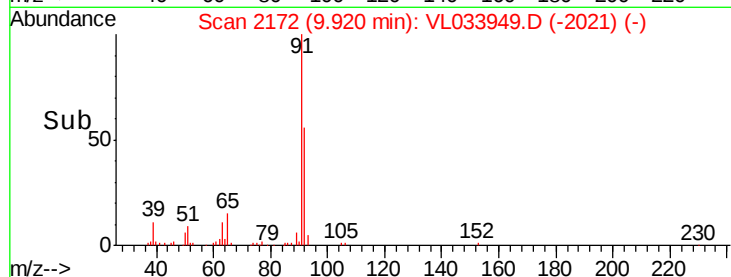
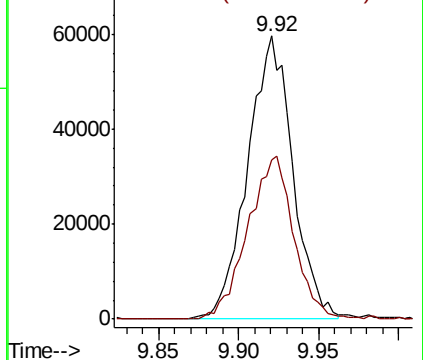
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL033949.D

Acq: 24 Jun 2019 23:15

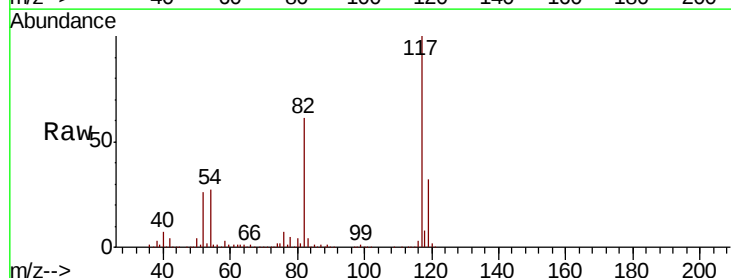
Tgt Ion: 117 Resp: 2398959

Ion Ratio Lower Upper

117 100

82 63.4 50.2 75.2

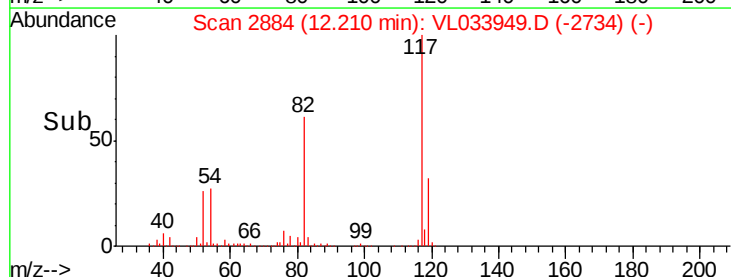
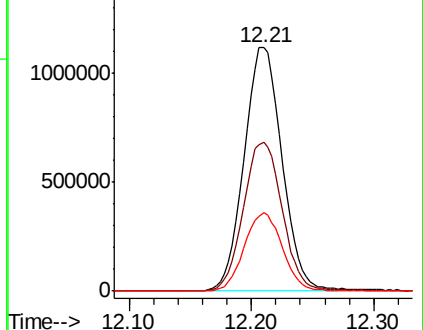
119 32.6 24.8 37.2

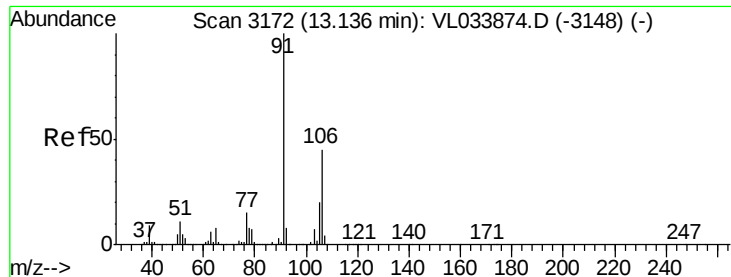


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





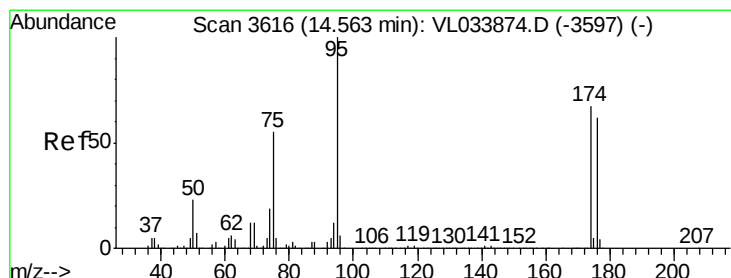
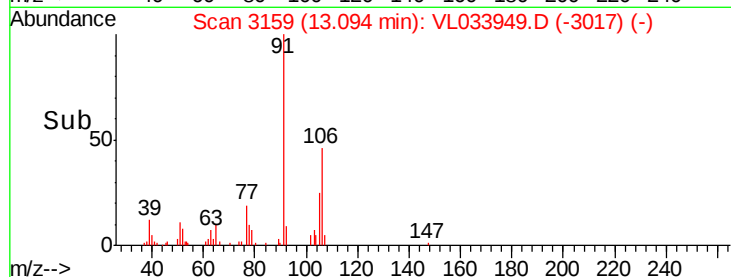
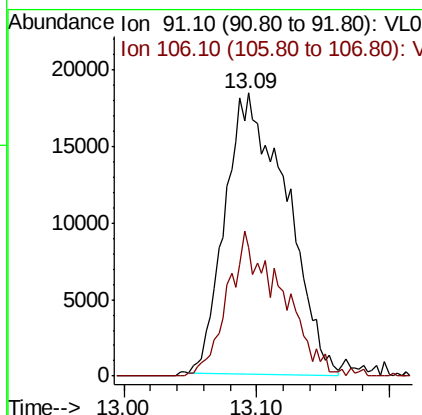
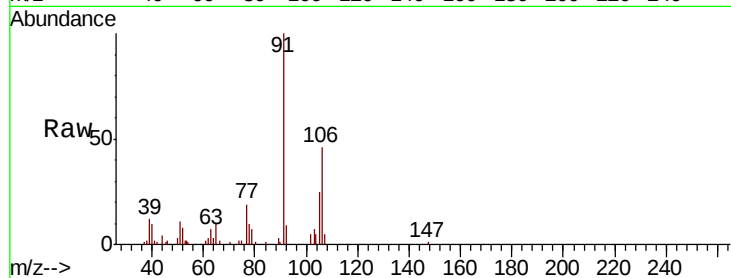
#59
m/p-Xylene
Concen: 0.240 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. -0.04 min
Lab File: VL033949.D
Acq: 24 Jun 2019 23:15

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-C-1DL

Tot Ion: 91 Resp: 59014
Ion Ratio Lower Upper
91 100
106 45.6 35.8 53.8

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.643 ppbv
RT: 14.55 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL033949.D
Acq: 24 Jun 2019 23:15

Tgt Ion: 95 Resp: 1900183
Ion Ratio Lower Upper
95 100
174 70.0 54.0 81.0
175 5.0 3.8 5.8

