

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033584.D
 Acq On : 11 Apr 2019 4:16
 Operator : SY/AP
 Sample : K2312-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-10DL

Manual Integrations
 APPROVED

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 4/11/2019 1:02:25 PM

Quant Time: Apr 11 05:20:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	759705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1754788	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1792347	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1443290	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	89463	9.413	ppbv	64
15) Acetone	3.91	43	56181	0.615	ppbv	91
19) Isopropyl Alcohol	4.03	45	29164m	0.505	ppbv	
20) Methylene Chloride	4.41	84	25074	0.647	ppbv	87
26) Hexane	5.78	57	42228	0.560	ppbv #	52
53) Toluene	9.95	91	26101m	0.153	ppbv	

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

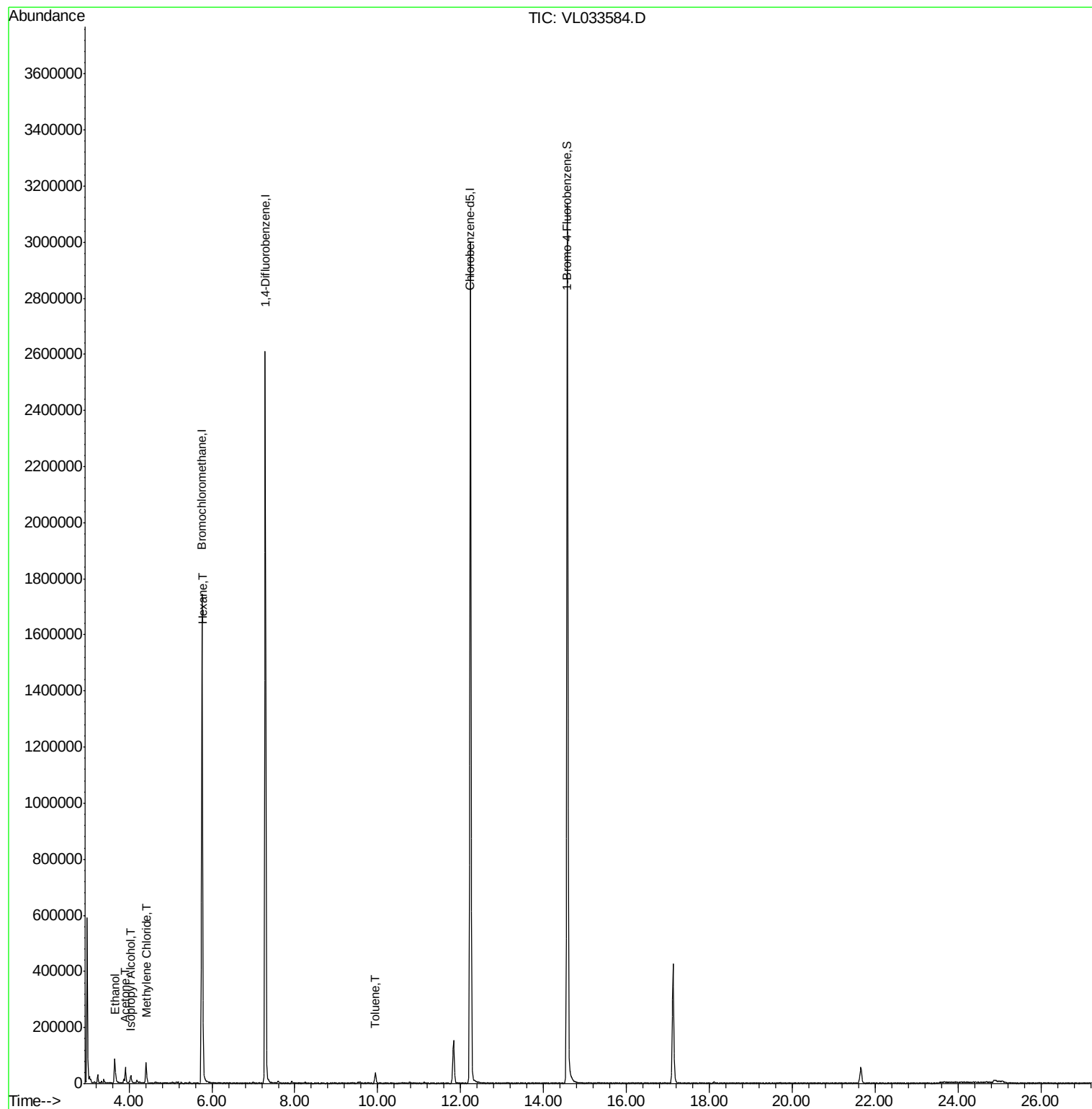
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
Data File : VL033584.D
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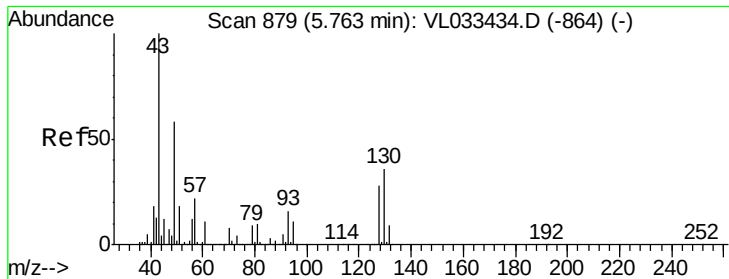
Instrument :
MSVOA_L
ClientSampleId :
A-10DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033584.D

Acq: 11 Apr 2019 4:16

Instrument :

MSVOA_L

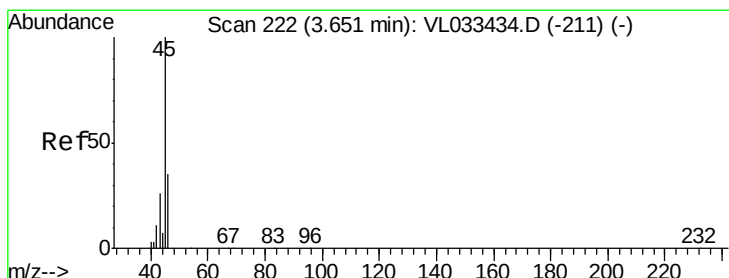
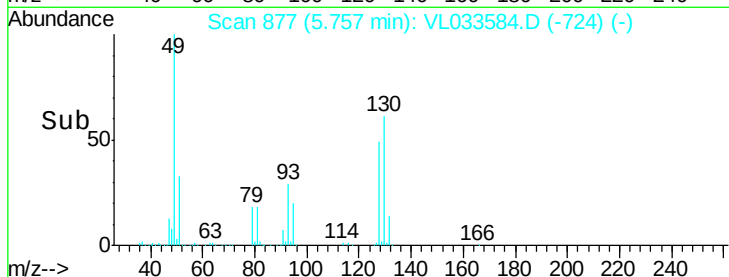
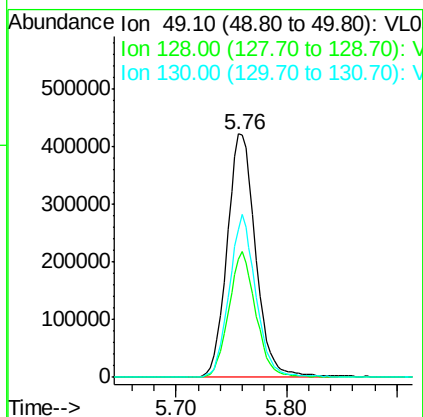
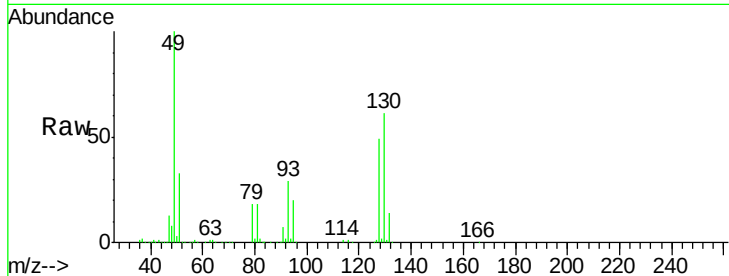
ClientSampled :

A-10DL

Tot Ion:	49	Resp:	759705
Ion Ratio	Lower	Upper	
49	100		
128	48.5	24.0	72.0
130	62.8	31.2	93.6

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#13

Ethanol

Concen: 9.413 ppbv

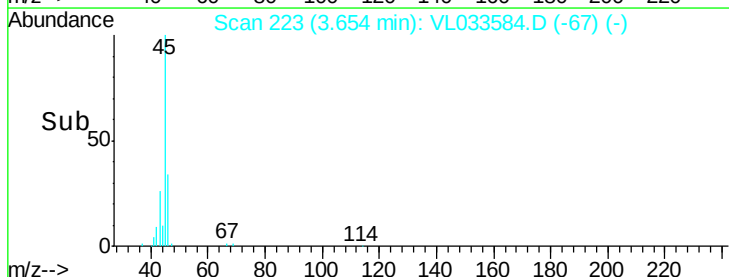
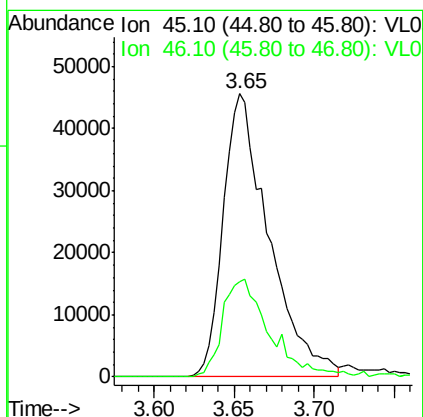
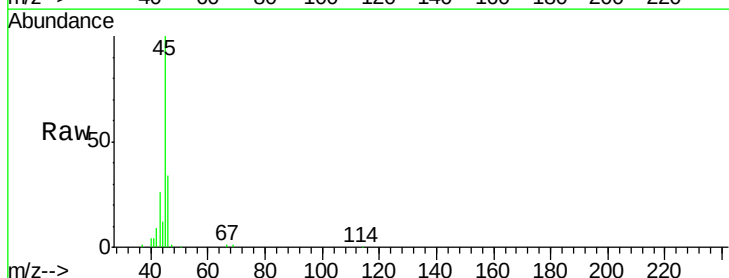
RT: 3.65 min Scan# 223

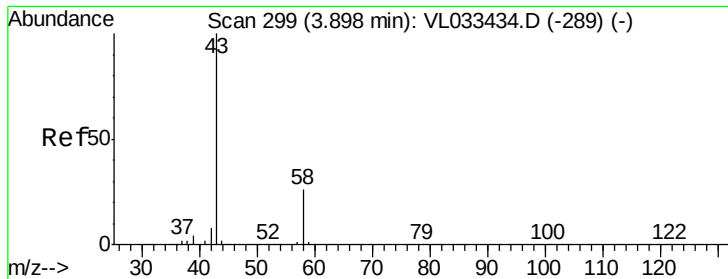
Delta R.T. 0.00 min

Lab File: VL033584.D

Acq: 11 Apr 2019 4:16

Tgt Ion:	45	Resp:	89463
Ion Ratio	Lower	Upper	
45	100		
46	35.6	25.4	101.8





#15

Acetone

Concen: 0.615 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033584.D

Acq: 11 Apr 2019 4:16

Instrument :

MSVOA_L

ClientSampleId :

A-10DL

Tot Ion: 43 Resp: 56181

Ion Ratio Lower Upper

43 100

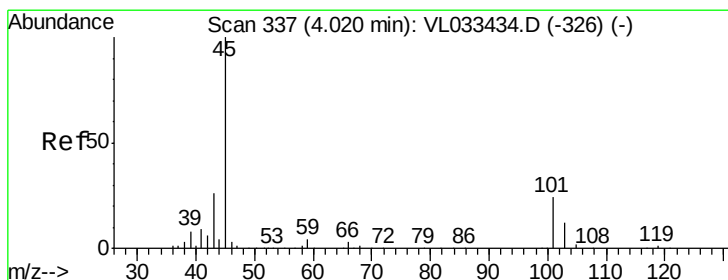
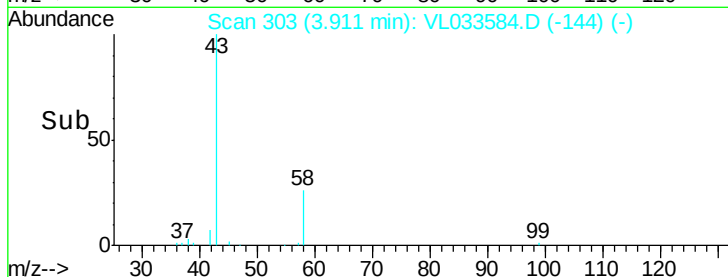
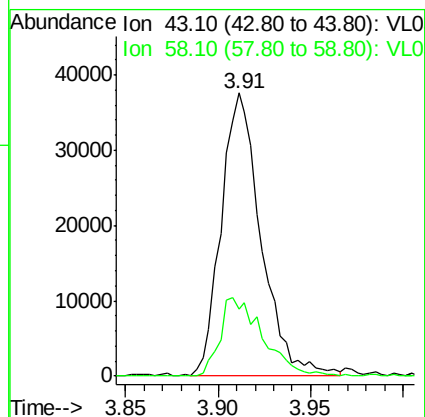
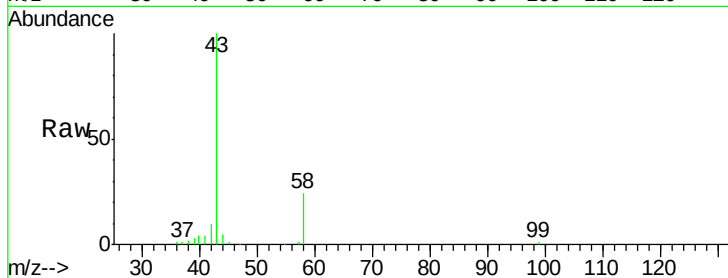
58 29.9 20.5 30.7

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#19

Isopropyl Alcohol

Concen: 0.505 ppbv m

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033584.D

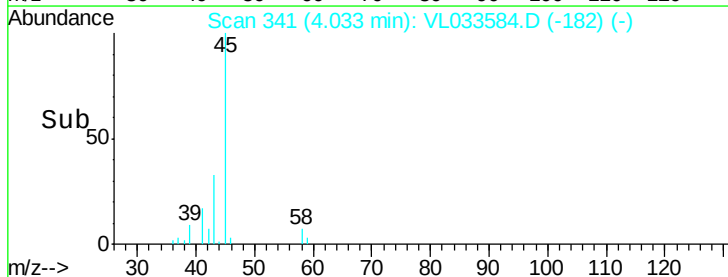
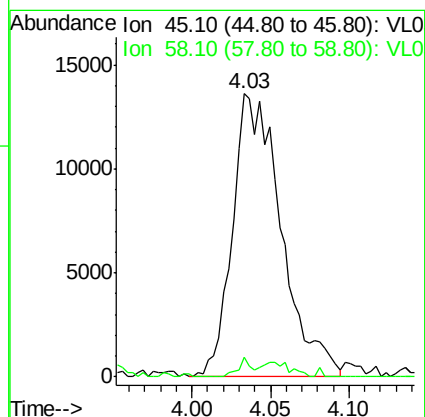
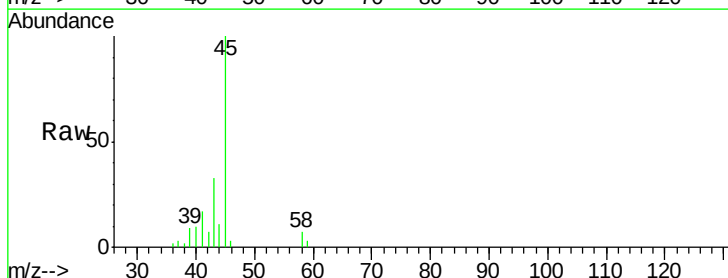
Acq: 11 Apr 2019 4:16

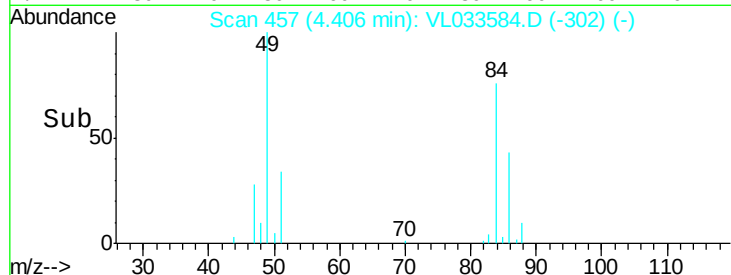
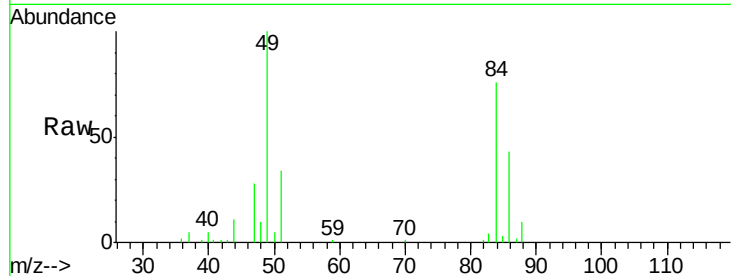
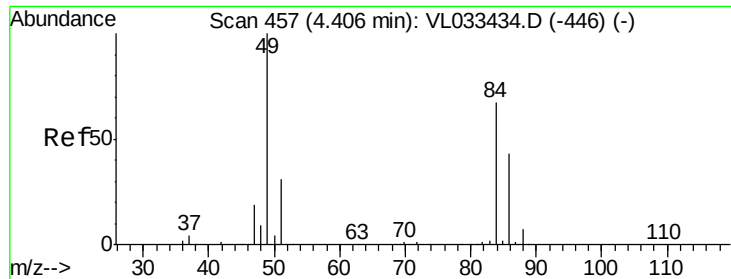
Tgt Ion: 45 Resp: 29164

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#





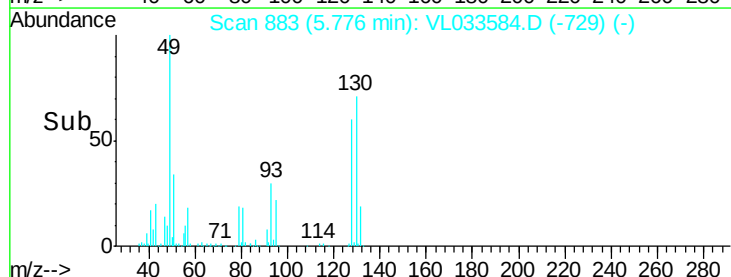
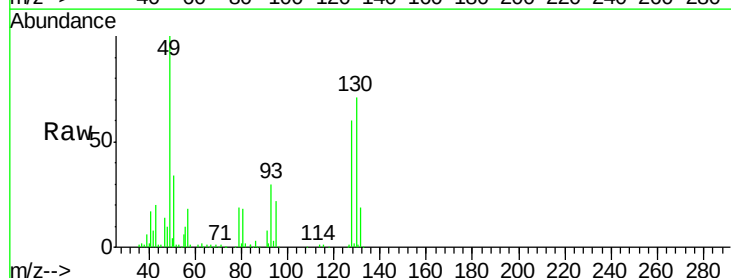
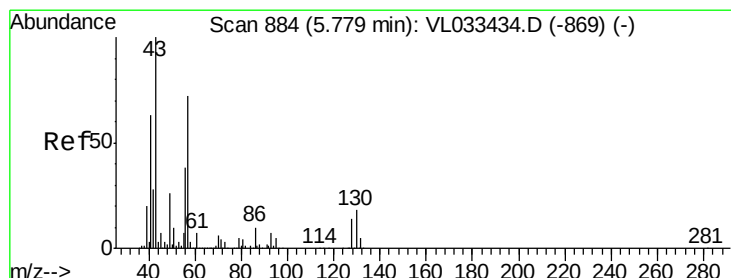
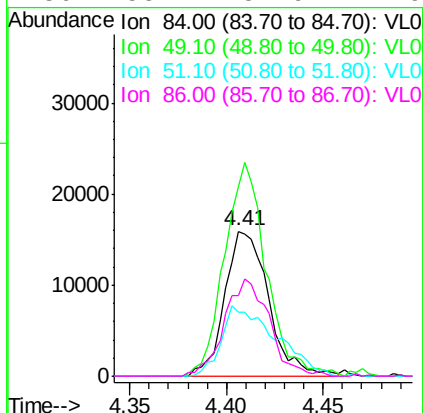
#20
Methvlene Chloride
Concen: 0.647 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tot Ion	84	Resp	25074
Ion	Ratio	Lower	Upper
84	100		
49	129.4	120.0	180.0
51	44.1	36.7	55.1
86	55.7	51.9	77.9

Instrument :
MSVOA_L
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A-10DL

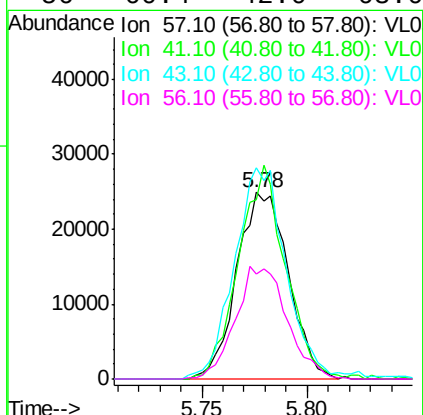
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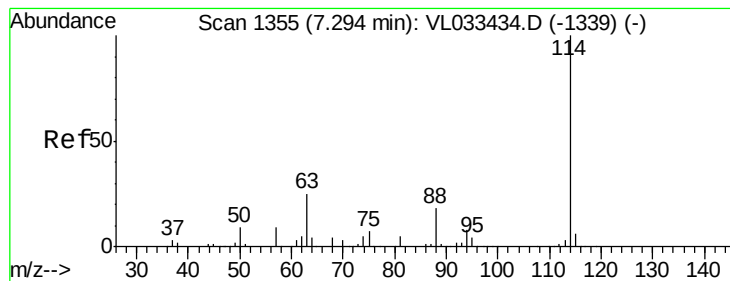
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#26
Hexane
Concen: 0.560 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion	57	Resp	42228
Ion	Ratio	Lower	Upper
57	100		
41	105.9	70.7	106.1
43	116.1	182.6	274.0#
56	60.4	42.0	63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033584.D

Acq: 11 Apr 2019 4:16

Instrument :

MSVOA_L

ClientSampleId :

A-10DL

Tot Ion:114 Resp: 1754788

Ion Ratio Lower Upper

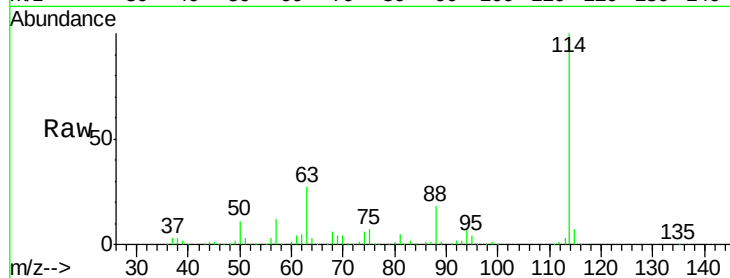
114 100

63 26.7 21.5 32.3

88 18.2 14.5 21.7

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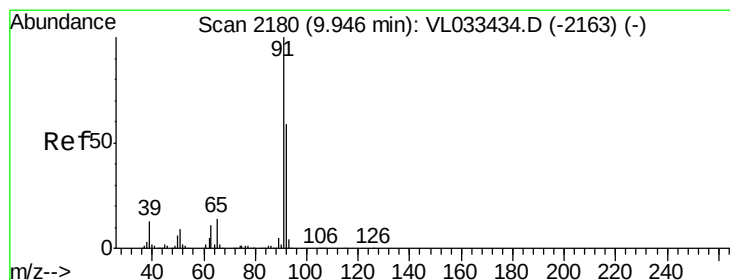
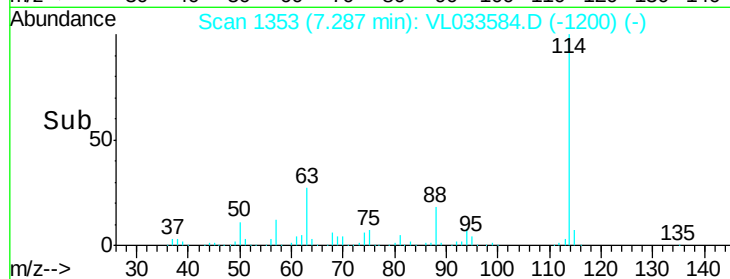
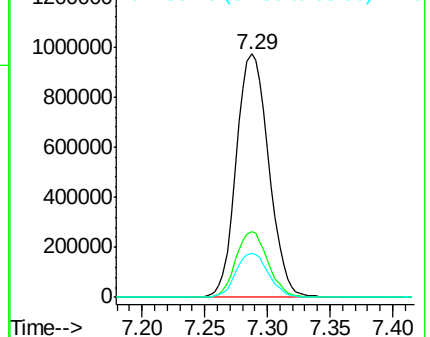
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.153 ppbv m

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033584.D

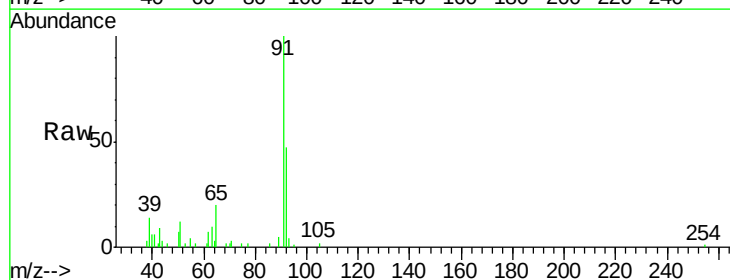
Acq: 11 Apr 2019 4:16

Tgt Ion: 91 Resp: 26101

Ion Ratio Lower Upper

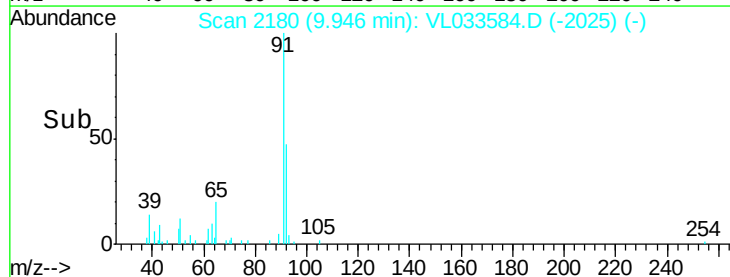
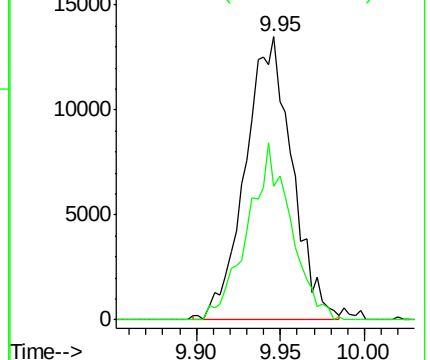
91 100

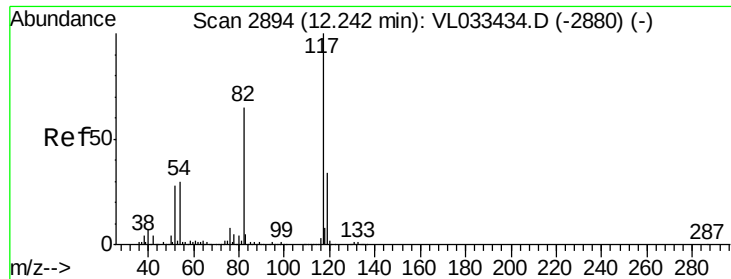
92 0.0 47.4 71.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





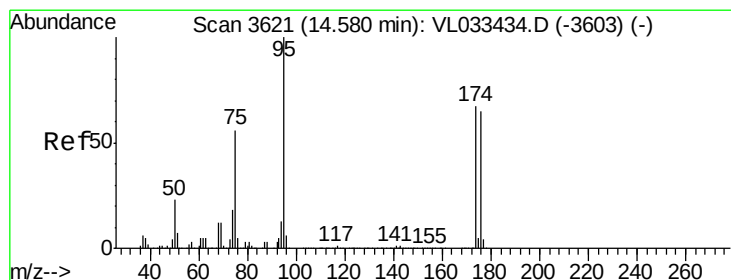
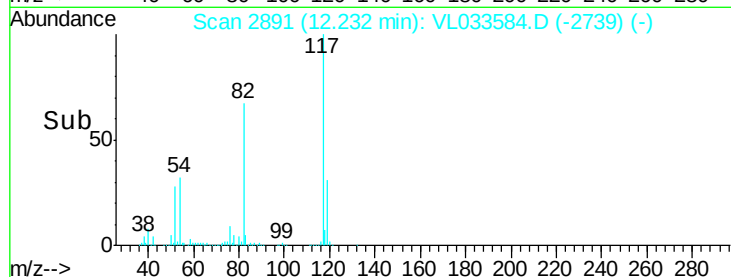
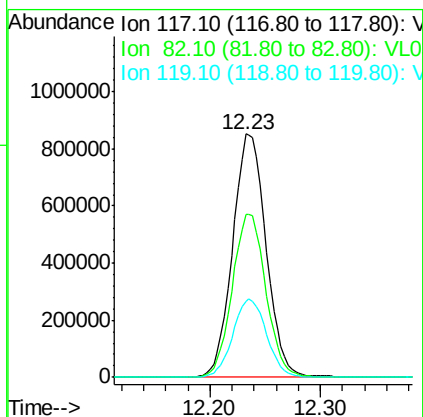
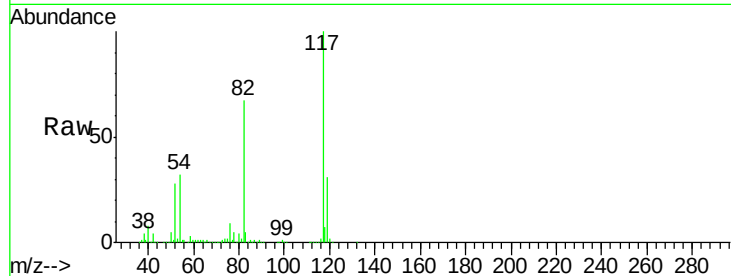
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Instrument :
MSVOA_L
ClientSampled :
A-10DL

Tot Ion:117 Resp: 1792347
Ion Ratio Lower Upper
117 100
82 67.9 51.5 77.3
119 32.6 25.5 38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.271 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033584.D
Acq: 11 Apr 2019 4:16

Tgt Ion: 95 Resp: 1443290
Ion Ratio Lower Upper
95 100
174 66.6 52.9 79.3
175 4.7 3.8 5.6

