

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033369.D
 Acq On : 18 Mar 2019 22:00
 Operator : SY/AP
 Sample : K1827-10DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-10DL

Manual Integrations
 APPROVED

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 3/21/2019 12:15:01 PM

Quant Time: Mar 20 11:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	744597	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1656618	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1621826	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1260957	10.49	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	12335m	0.144	ppbv	
9) Propene	3.05	41	5916m	0.155	ppbv	
13) Ethanol	3.64	45	197825	10.877	ppbv	99
15) Acetone	3.91	43	62291	0.538	ppbv	96
19) Isopropyl Alcohol	4.04	45	62329	1.132	ppbv #	96
26) Hexane	5.78	57	13558m	0.180	ppbv	
53) Toluene	9.94	91	211118	1.253	ppbv	98

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

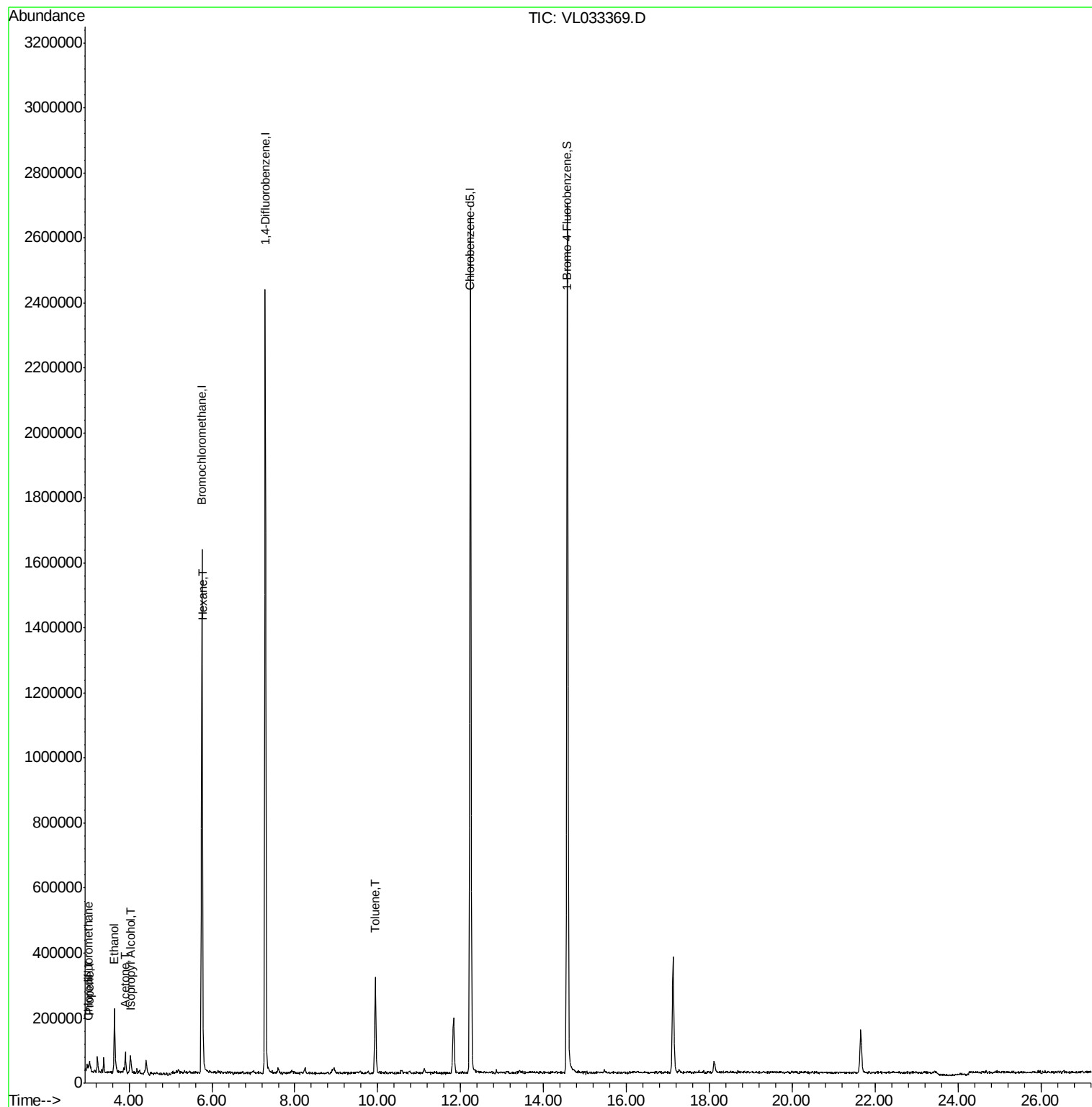
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033369.D
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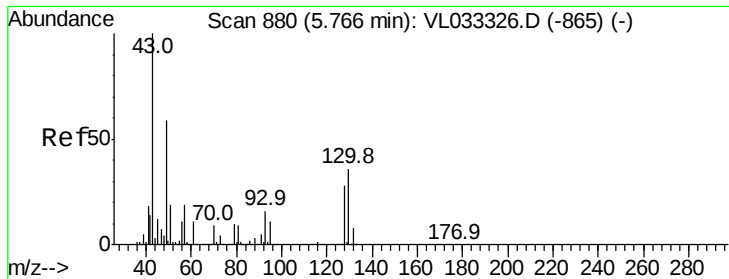
Instrument :
MSVOA_L
ClientSampleId :
A-10DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
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QLast Update : Fri Mar 15 14:52:14 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: VL033369.D

Acq: 18 Mar 2019 22:00

Instrument :

MSVOA_L

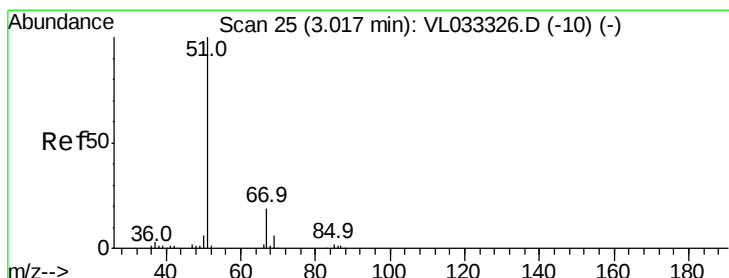
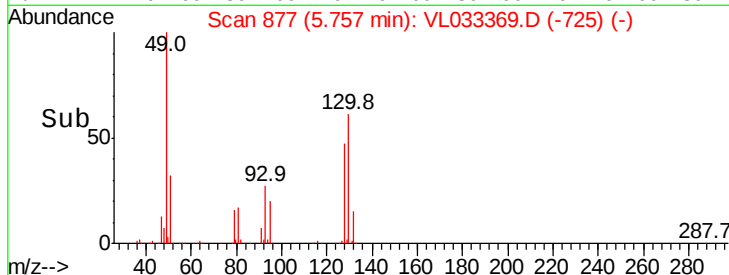
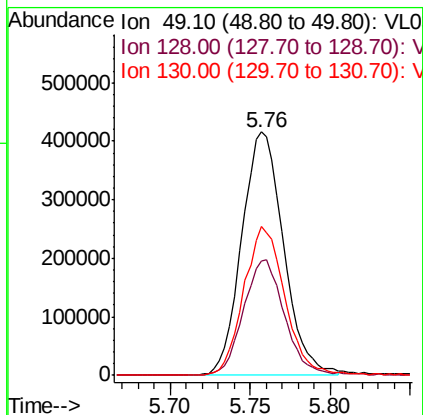
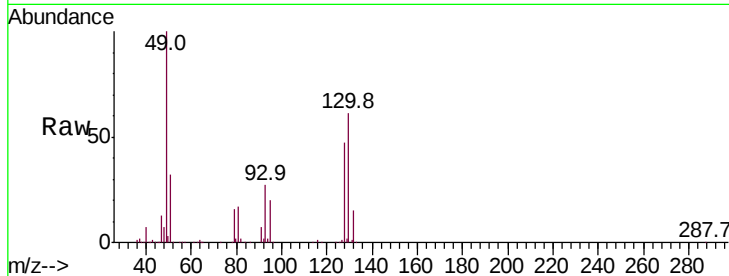
ClientSampled :

A-10DL

Tot Ion:	49	Resp:	744597
Ion Ratio	Lower	Upper	
49	100		
128	47.2	23.5	70.6
130	60.6	30.1	90.3

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#3

Chlorodifluoromethane

Concen: 0.144 ppbv m

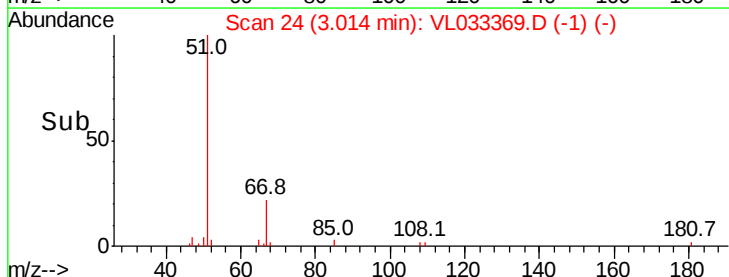
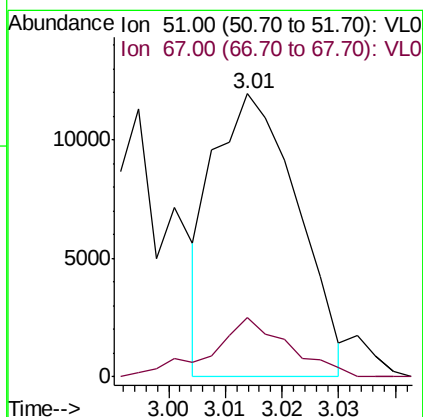
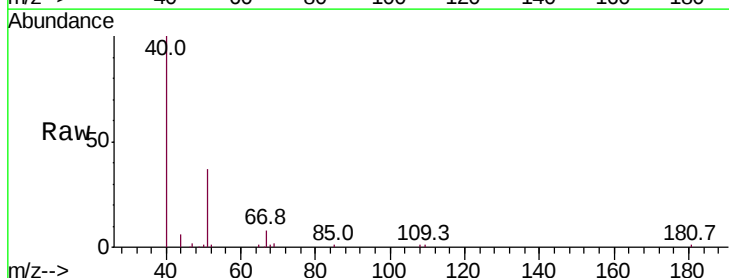
RT: 3.01 min Scan# 24

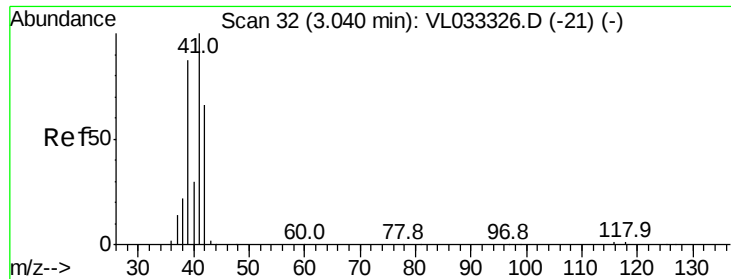
Delta R.T. -0.00 min

Lab File: VL033369.D

Acq: 18 Mar 2019 22:00

Tgt Ion:	51	Resp:	12335
Ion Ratio	Lower	Upper	
51	100		
67	19.4	14.9	22.3





#9

Propene

Concen: 0.155 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033369.D

Acq: 18 Mar 2019 22:00

Instrument :

MSVOA_L

ClientSampled :

A-10DL

Tot Ion: 41 Resp: 5916

Ion Ratio Lower Upper

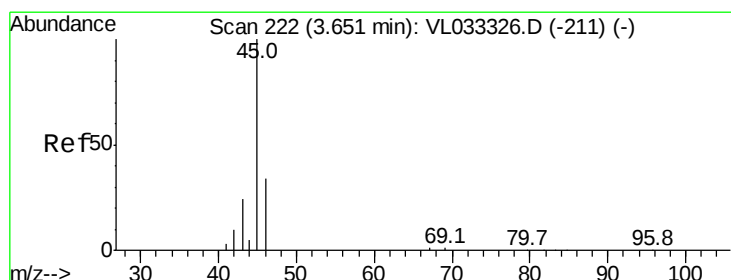
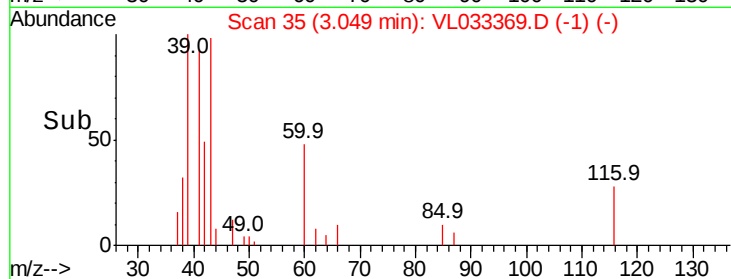
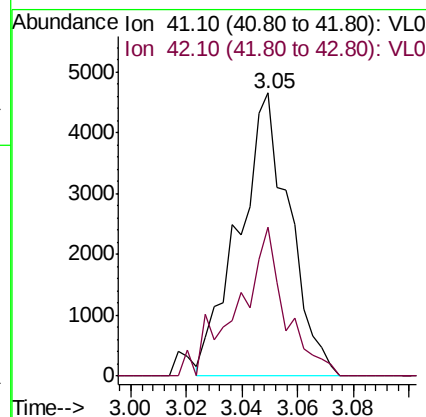
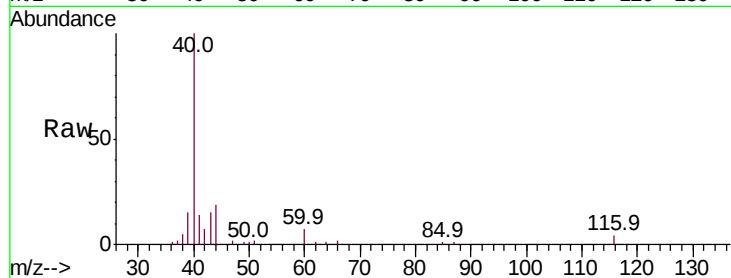
41 100

42 49.5 55.2 82.8#

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#13

Ethanol

Concen: 10.877 ppbv

RT: 3.64 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL033369.D

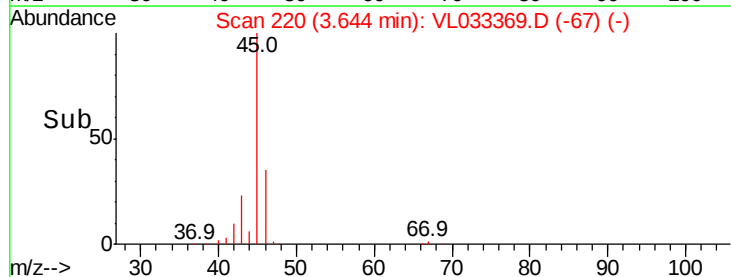
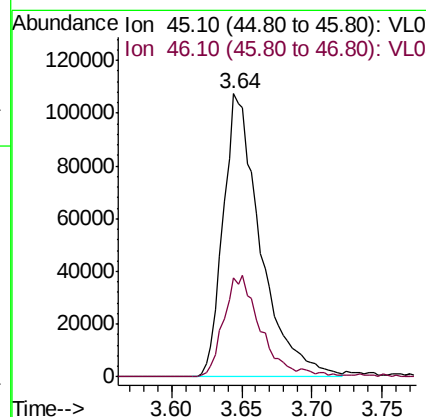
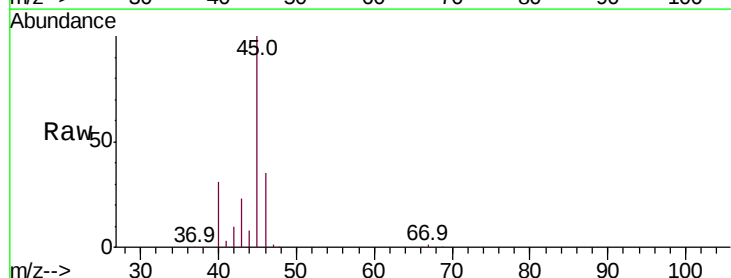
Acq: 18 Mar 2019 22:00

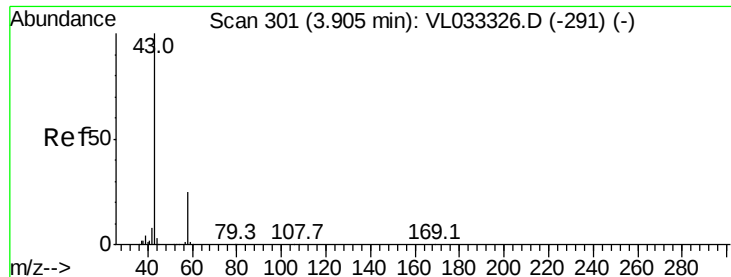
Tgt Ion: 45 Resp: 197825

Ion Ratio Lower Upper

45 100

46 36.6 14.9 59.7





#15

Acetone

Concen: 0.538 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033369.D

Acq: 18 Mar 2019 22:00

Instrument :

MSVOA_L

ClientSampleId :

A-10DL

Tot Ion: 43 Resp: 62291

Ion Ratio Lower Upper

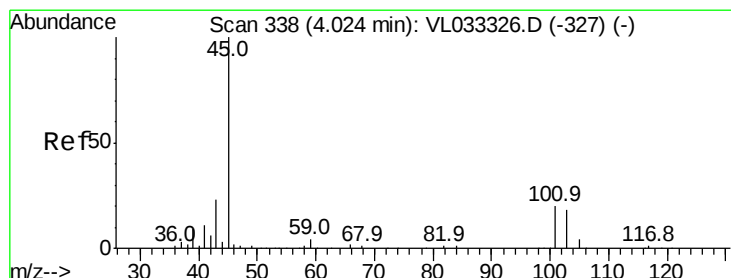
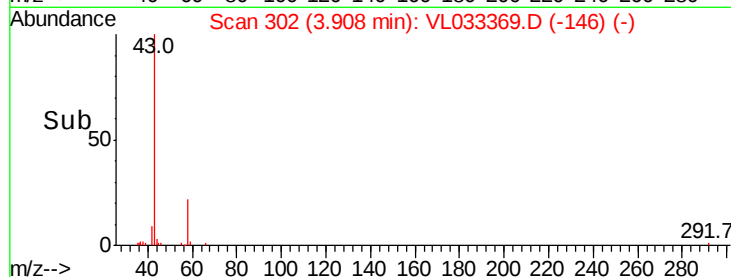
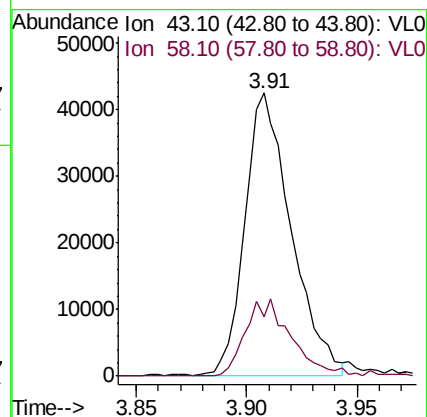
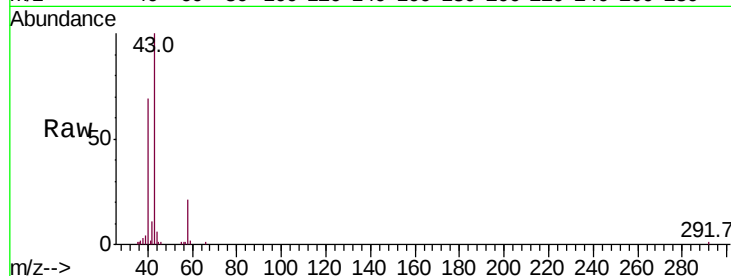
43 100

58 27.3 20.4 30.6

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#19

Isopropyl Alcohol

Concen: 1.132 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033369.D

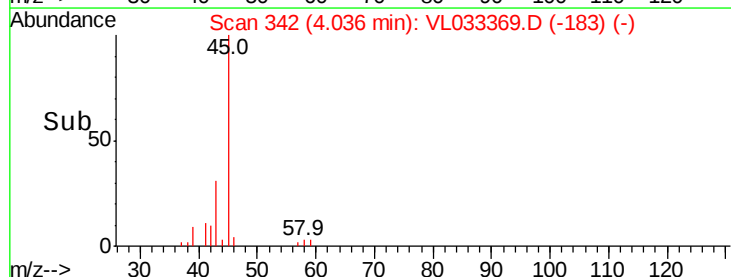
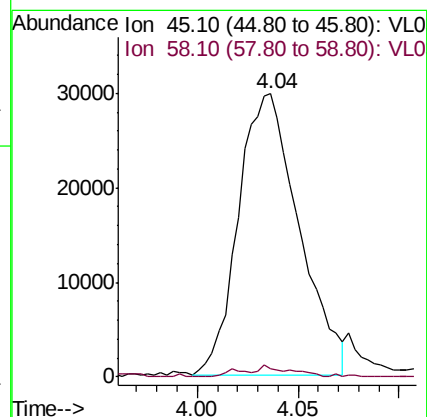
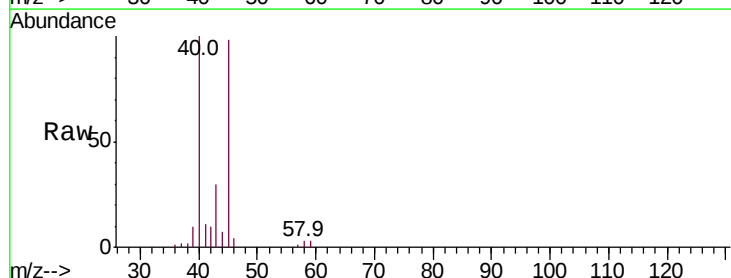
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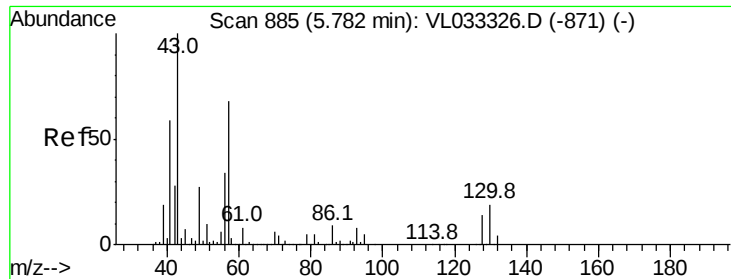
Tgt Ion: 45 Resp: 62329

Ion Ratio Lower Upper

45 100

58 3.4 1.5 2.3#





#26

Hexane

Concen: 0.180 ppbv m

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

Lab File: VL033369.D

Acq: 18 Mar 2019 22:00

Instrument :

MSVOA_L

ClientSampleID :

A-10DL

Tot Ion: 57 Resp: 13558

Ion Ratio Lower Upper

57 100

41 111.1 70.5 105.7#

43 0.0 181.8 272.8#

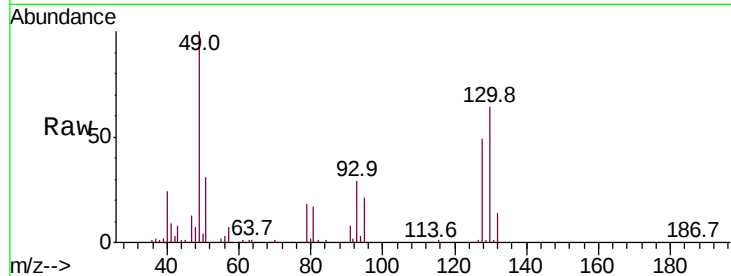
56 60.5 42.2 63.2

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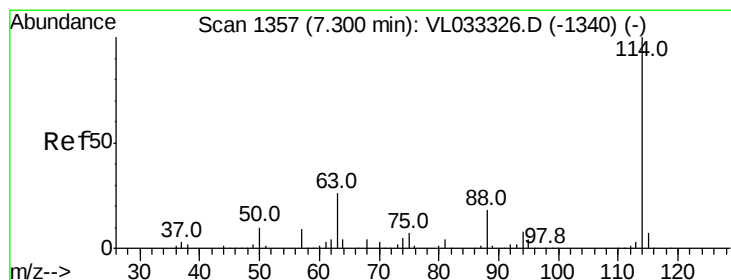
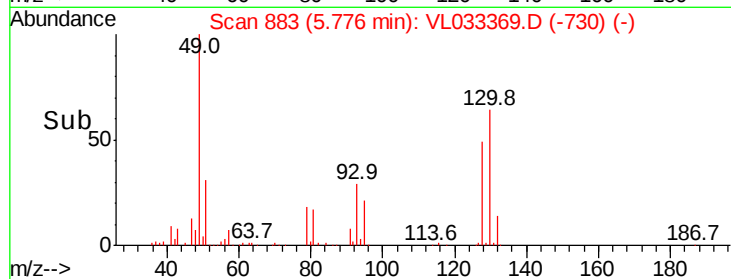
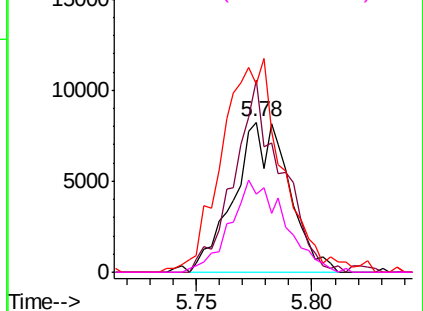


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033369.D

Acq: 18 Mar 2019 22:00

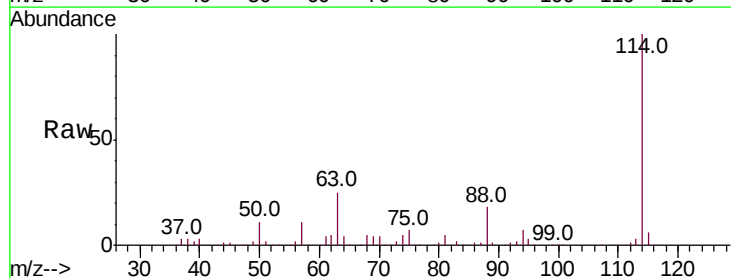
Tgt Ion:114 Resp: 1656618

Ion Ratio Lower Upper

114 100

63 26.9 21.4 32.2

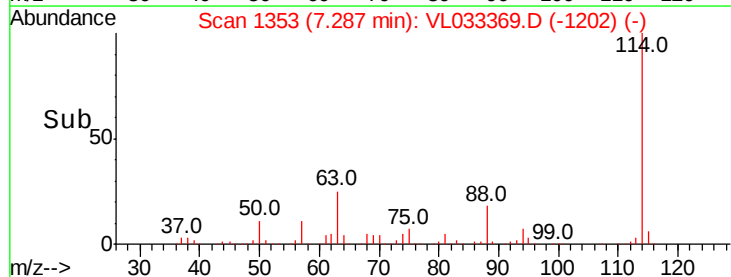
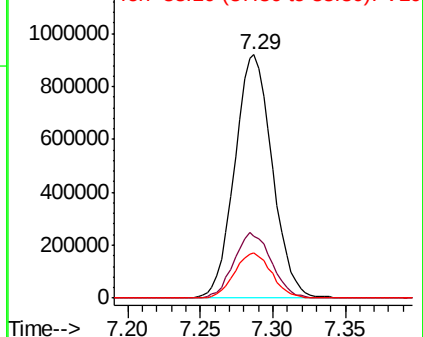
88 18.4 14.5 21.7

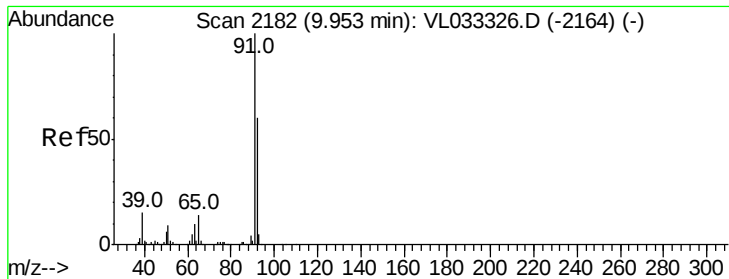


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





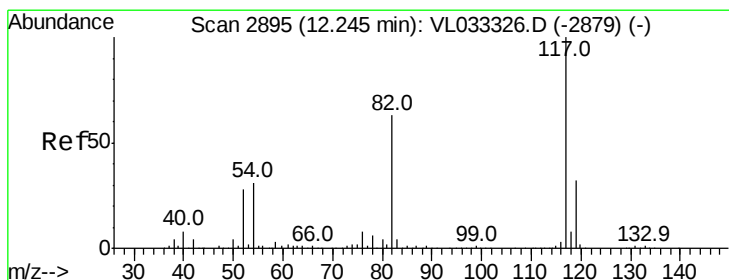
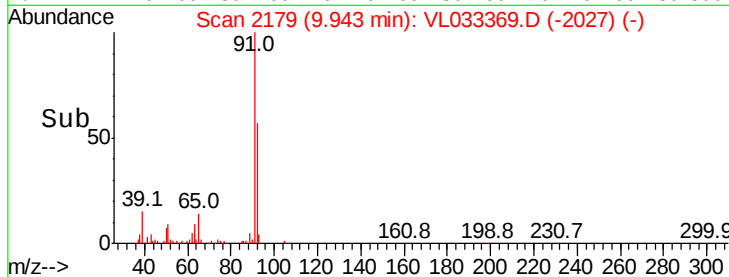
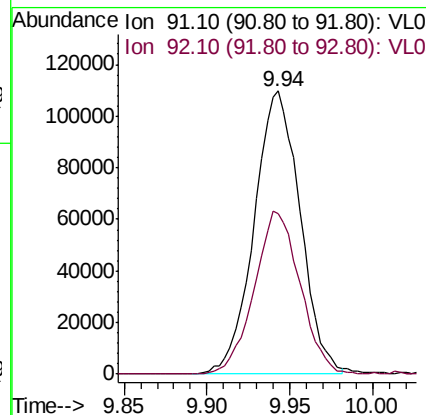
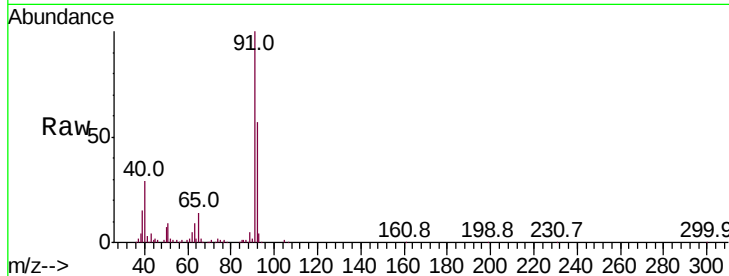
#53
Toluene
Concen: 1.253 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033369.D
Acq: 18 Mar 2019 22:00

Instrument :
MSVOA_L
ClientSampleId :
A-10DL

Tot Ion: 91 Resp: 211118
Ion Ratio Lower Upper
91 100
92 57.5 47.4 71.0

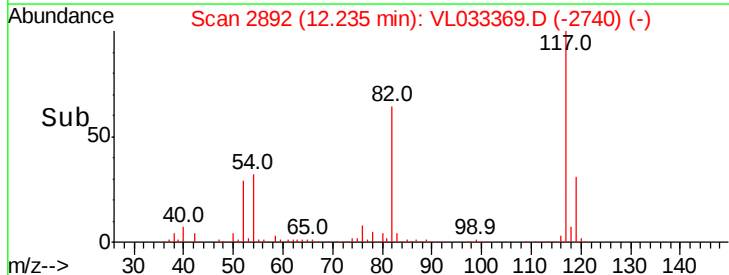
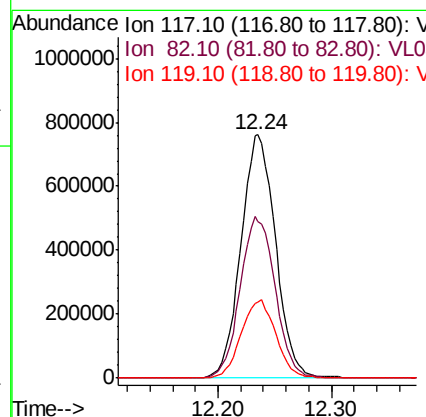
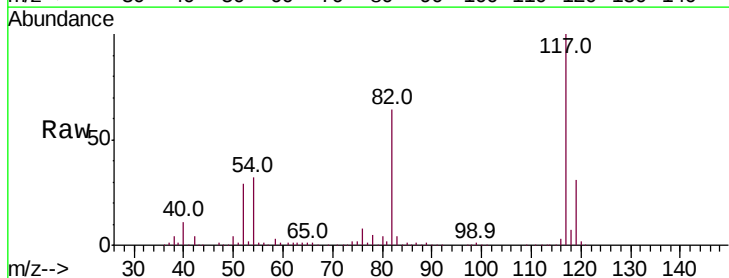
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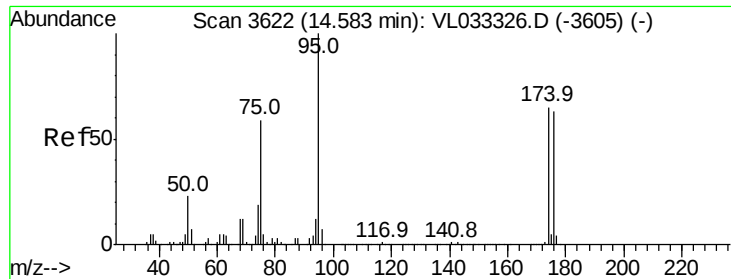
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033369.D
Acq: 18 Mar 2019 22:00

Tgt Ion: 117 Resp: 1621826
Ion Ratio Lower Upper
117 100
82 67.3 53.4 80.2
119 32.3 27.3 40.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.492 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033369.D
 Acq: 18 Mar 2019 22:00

Instrument :
 MSVOA_L
 ClientSampleId :
 A-10DL

Tot Ion: 95 Resp: 1260957
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.5 77.3
 175 4.7 3.8 5.6

Manual Integrations
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