

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031819\
 Data File : VL033367.D
 Acq On : 18 Mar 2019 20:41
 Operator : SY/AP
 Sample : K1827-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-9DL

Manual Integrations
 APPROVED

MMDadoda
 3/21/2019 12:14:50 PM

Quant Time: Mar 19 07:32:41 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	757164	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1680111	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1854080	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1407617	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	13690m	0.158	ppbv	
9) Propene	3.05	41	6181	0.159	ppbv	# 76
13) Ethanol	3.65	45	193393	10.457	ppbv	99
15) Acetone	3.91	43	65883	0.560	ppbv	98
19) Isopropyl Alcohol	4.04	45	69455m	1.241	ppbv	
26) Hexane	5.77	57	14936m	0.195	ppbv	
53) Toluene	9.95	91	260094	1.522	ppbv	99

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

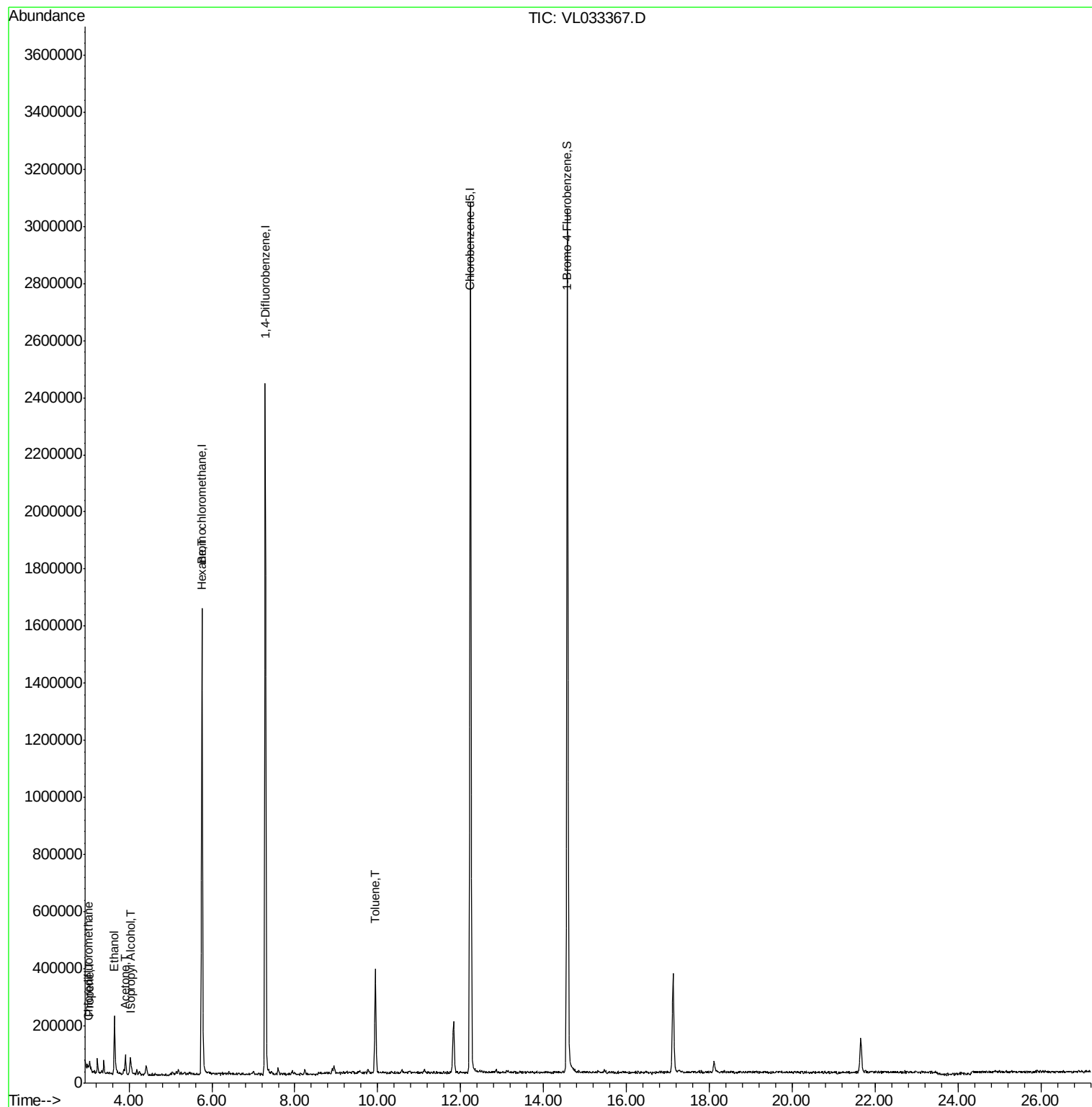
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031819\
Data File : VL033367.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
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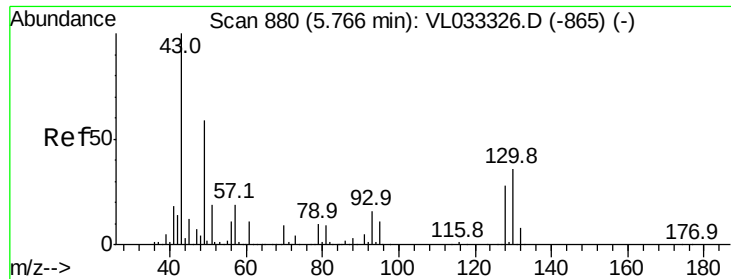
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Mar 19 07:32:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
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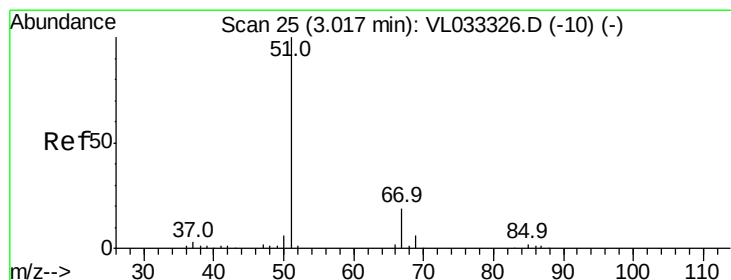
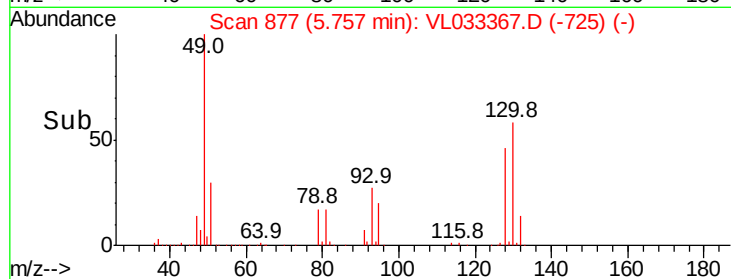
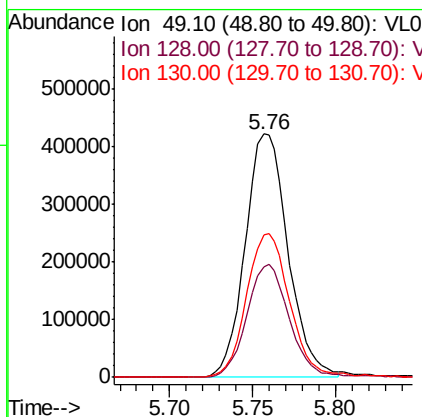
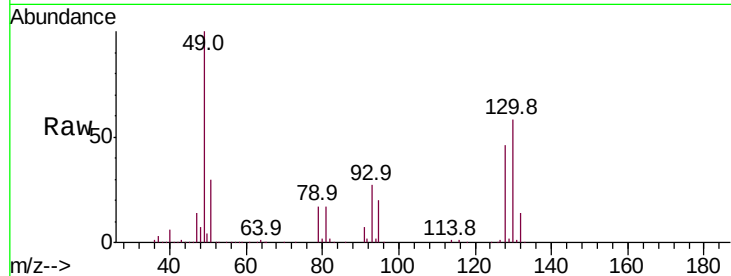
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033367.D
 Acq: 18 Mar 2019 20:41

Instrument :
 MSVOA_L
 ClientSampled :
 A-9DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.5	70.6
130	60.3	30.1	90.3

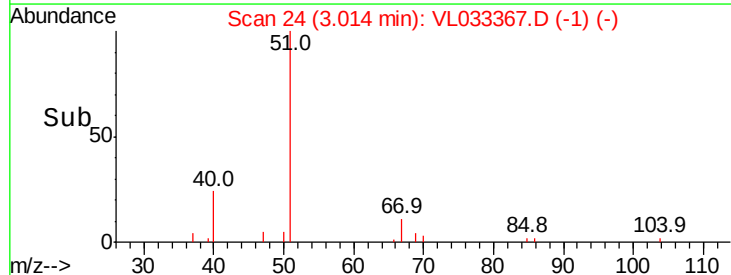
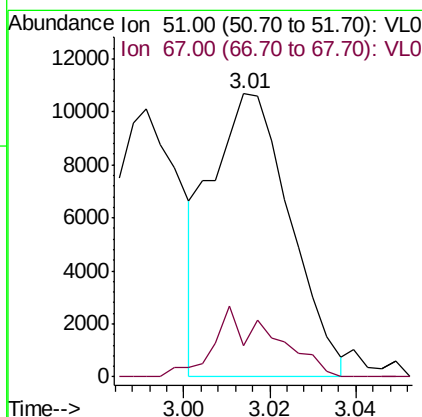
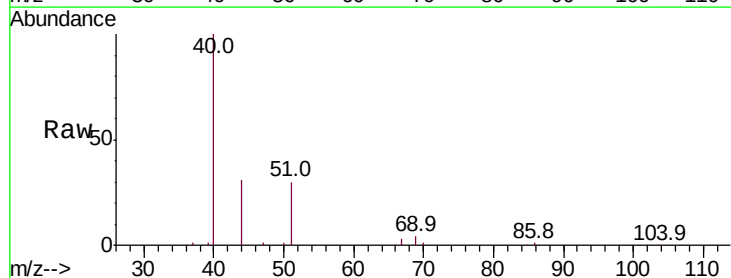
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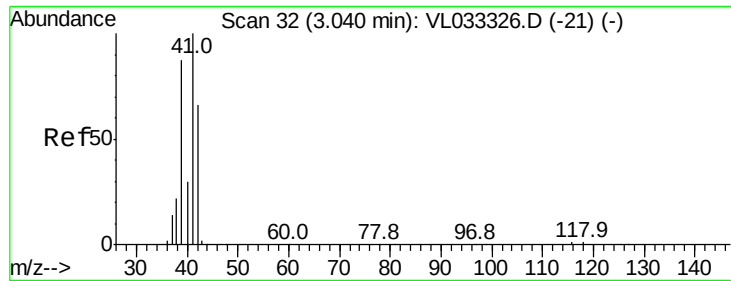
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#3
 Chlorodifluoromethane
 Concen: 0.158 ppbv m
 RT: 3.01 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VL033367.D
 Acq: 18 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3





#9

Propene

Concen: 0.159 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

Instrument :

MSVOA_L

ClientSampleId :

A-9DL

Tot Ion: 41 Resp: 6181

Ion Ratio Lower Upper

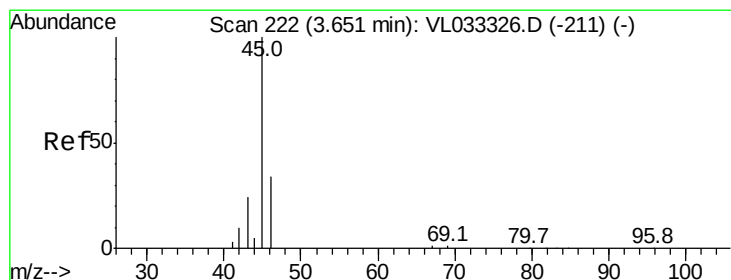
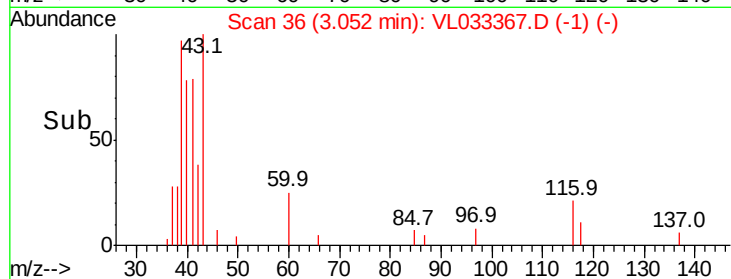
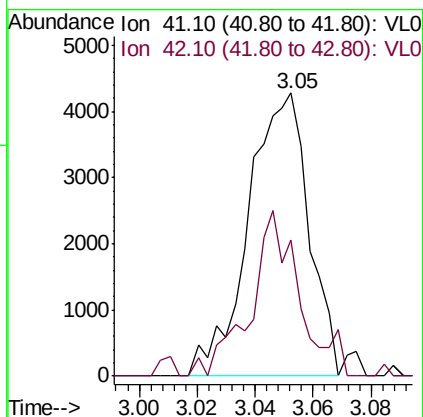
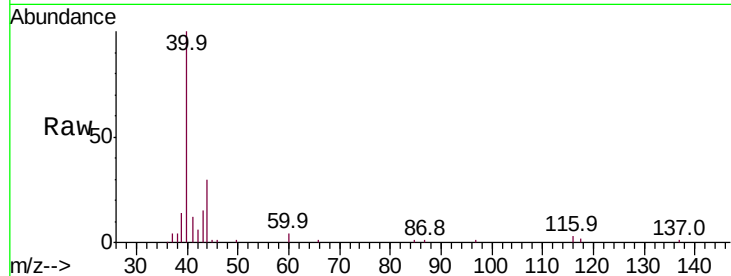
41 100

42 49.8 55.2 82.8#

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#13

Ethanol

Concen: 10.457 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033367.D

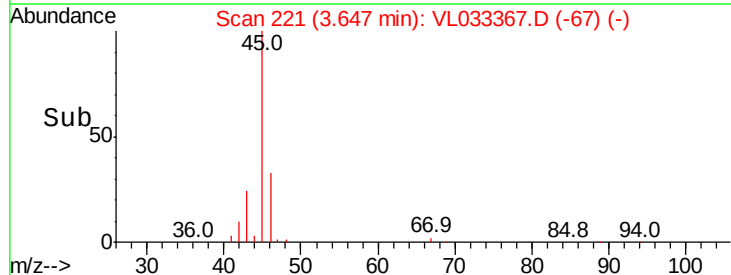
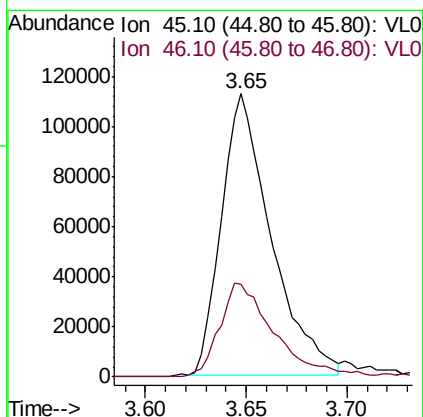
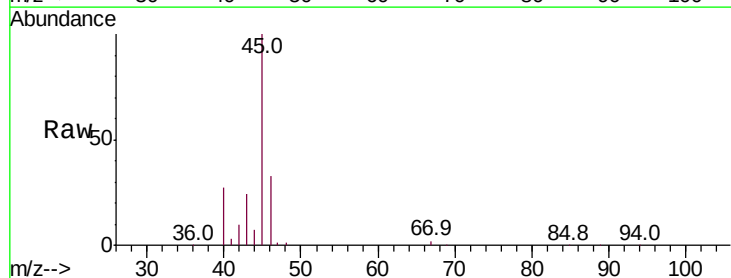
Acq: 18 Mar 2019 20:41

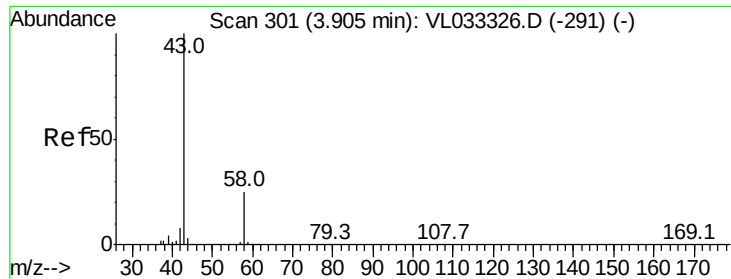
Tgt Ion: 45 Resp: 193393

Ion Ratio Lower Upper

45 100

46 37.7 14.9 59.7





#15

Acetone

Concen: 0.560 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

Instrument :

MSVOA_L

ClientSampled :

A-9DL

Tot Ion: 43 Resp: 65883

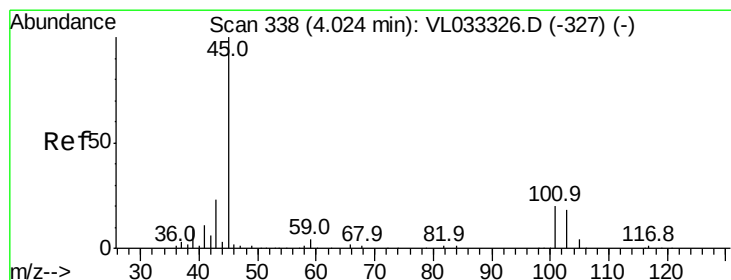
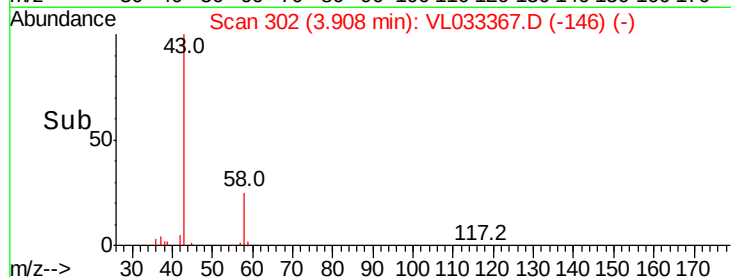
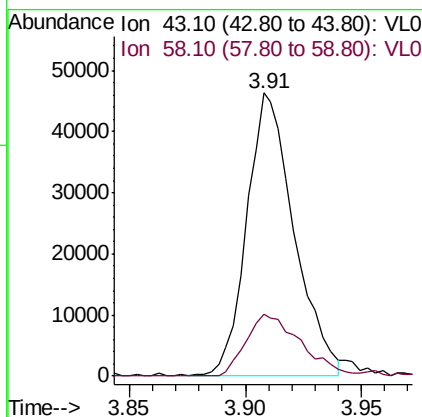
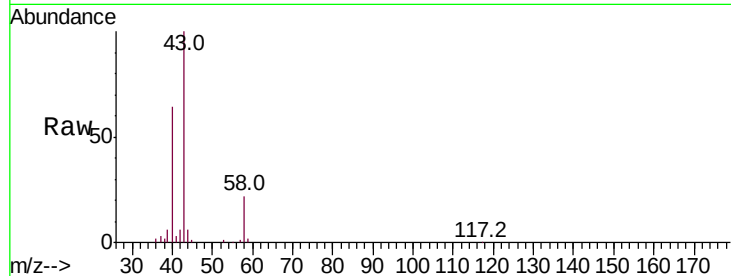
Ion Ratio Lower Upper

43 100

58 26.3 20.4 30.6

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#19

Isopropyl Alcohol

Concen: 1.241 ppbv m

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033367.D

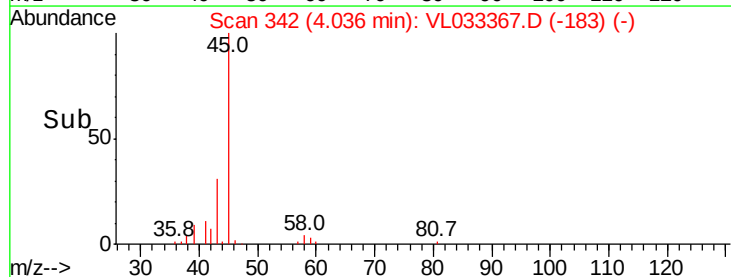
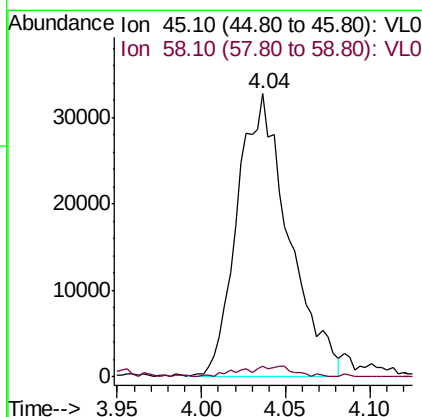
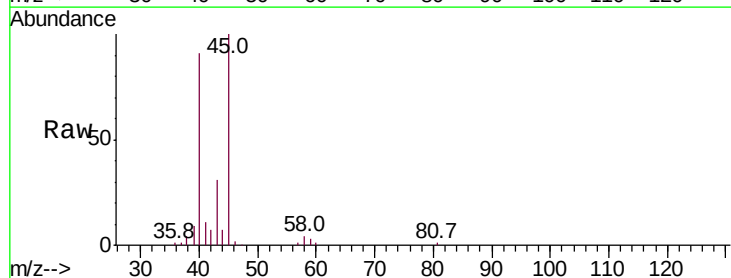
Acq: 18 Mar 2019 20:41

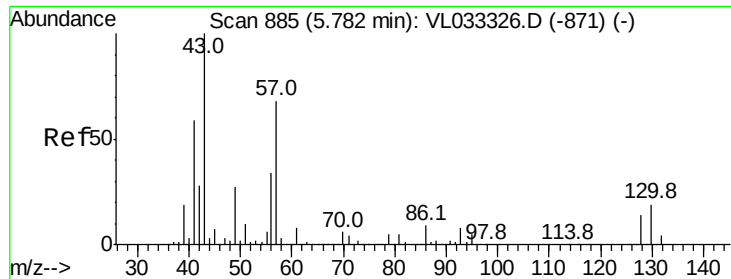
Tgt Ion: 45 Resp: 69455

Ion Ratio Lower Upper

45 100

58 4.2 1.5 2.3#





#26

Hexane

Concen: 0.195 ppbv m

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

Instrument :

MSVOA_L

ClientSampleId :

A-9DL

Tot Ion: 57 Resp: 14936

Ion Ratio Lower Upper

57 100

41 0.0 70.5 105.7#

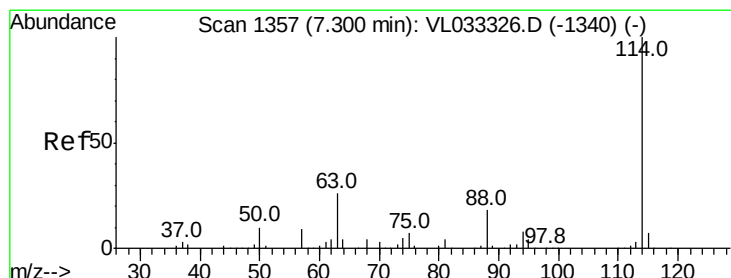
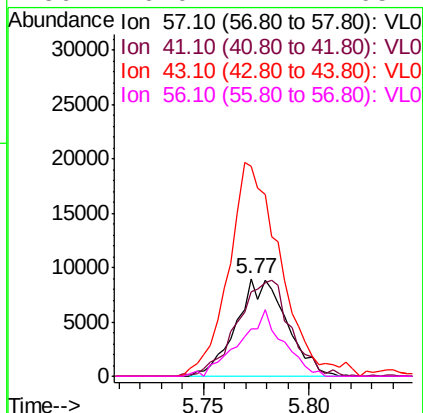
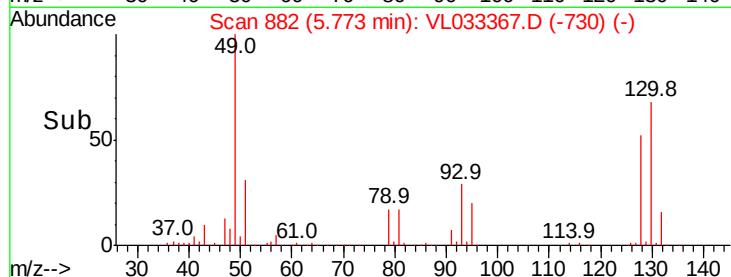
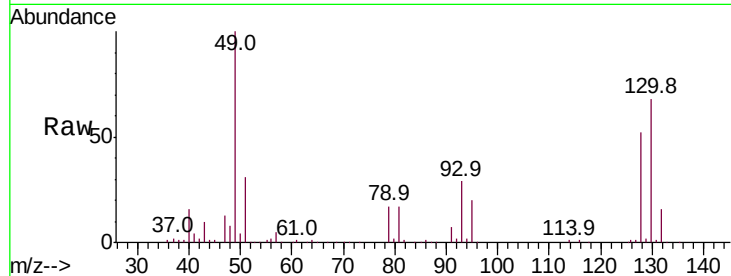
43 228.4 181.8 272.8

56 0.0 42.2 63.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

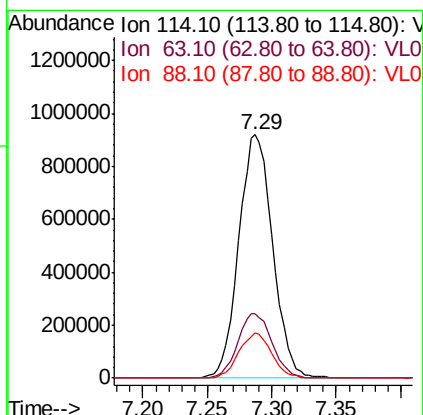
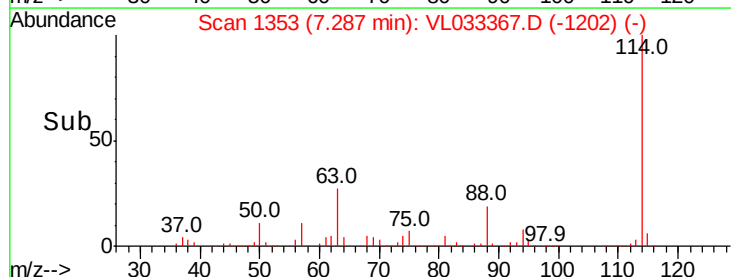
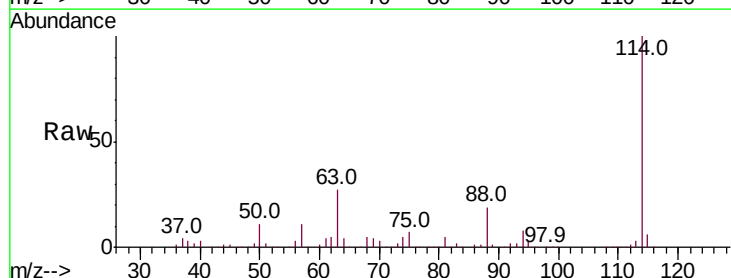
Tgt Ion:114 Resp: 1680111

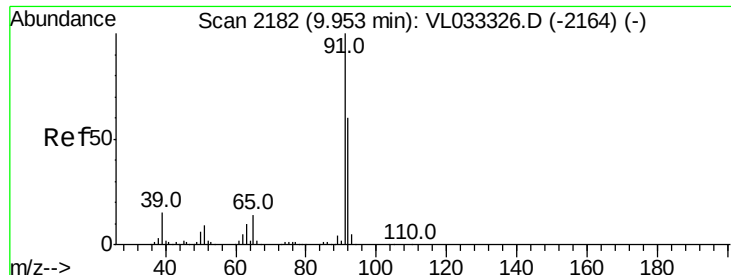
Ion Ratio Lower Upper

114 100

63 26.8 21.4 32.2

88 18.2 14.5 21.7





#53

Toluene

Concen: 1.522 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

Instrument :

MSVOA_L

ClientSampled :

A-9DL

Tot Ion: 91 Resp: 260094

Ion Ratio Lower Upper

91 100

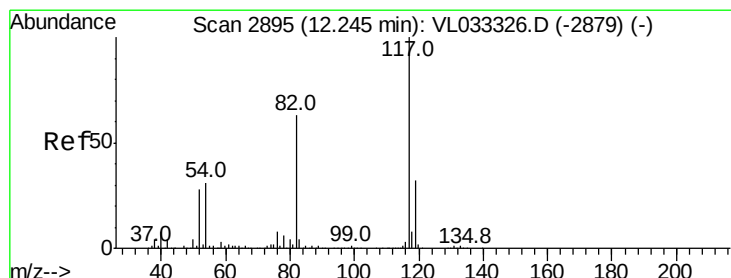
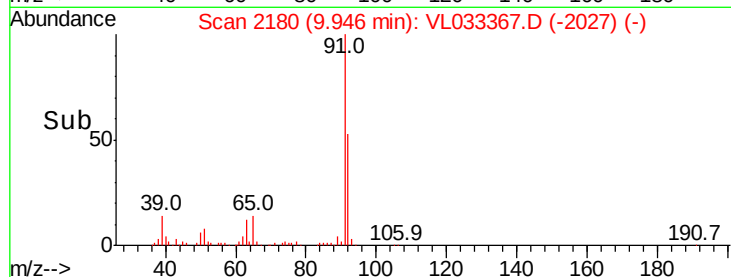
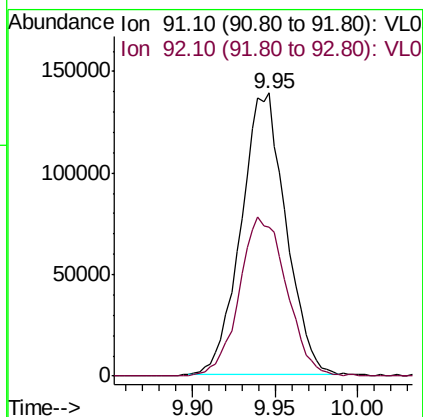
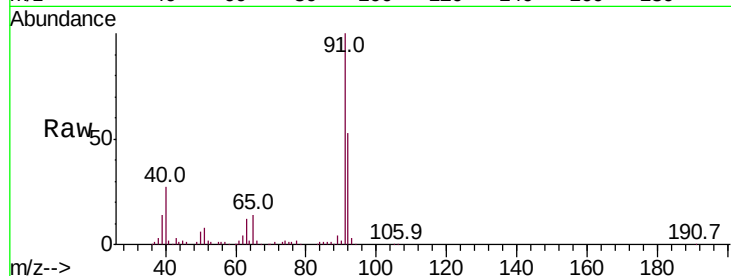
92 60.1 47.4 71.0

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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: VL033367.D

Acq: 18 Mar 2019 20:41

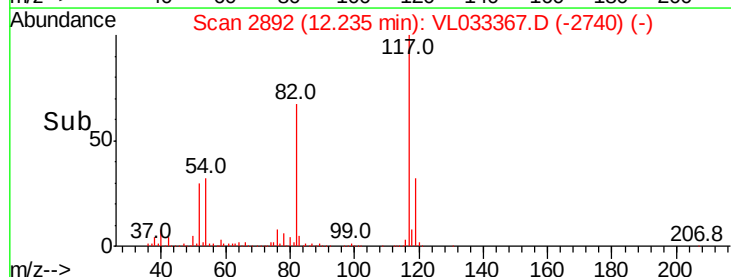
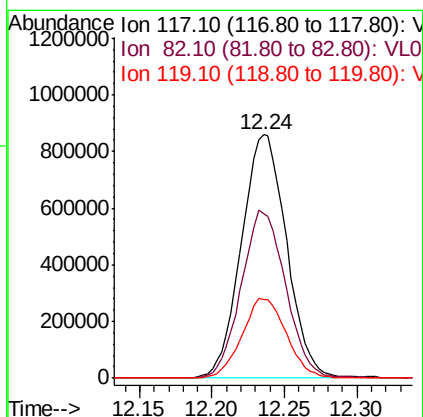
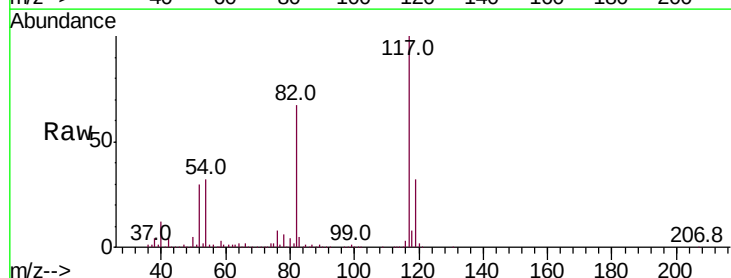
Tgt Ion: 117 Resp: 1854080

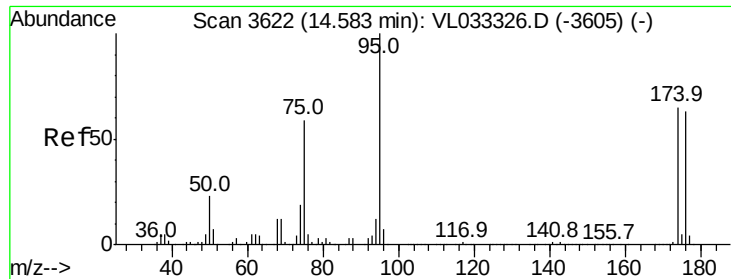
Ion Ratio Lower Upper

117 100

82 68.5 53.4 80.2

119 32.6 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.246 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033367.D

Acq: 18 Mar 2019 20:41

Instrument :

MSVOA_L

ClientSampleId :

A-9DL

Tot Ion: 95 Resp: 1407617

Ion Ratio Lower Upper

95 100

174 64.9 51.5 77.3

175 4.6 3.8 5.6

Manual Integrations

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3/21/2019 12:14:50 PM

