

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\
 Data File : VL033582.D
 Acq On : 11 Apr 2019 2:56
 Operator : SY/AP
 Sample : K2312-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-9DL

Manual Integrations
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 4/11/2019 1:02:16 PM

Quant Time: Apr 11 05:16:32 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	891979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2043411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2014819	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1611118	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	76577m	6.862	ppbv	
15) Acetone	3.90	43	137985	1.287	ppbv	99
20) Methylene Chloride	4.41	84	162701	3.574	ppbv	98
26) Hexane	5.78	57	190684	2.155	ppbv #	44
53) Toluene	9.94	91	27469m	0.138	ppbv	

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

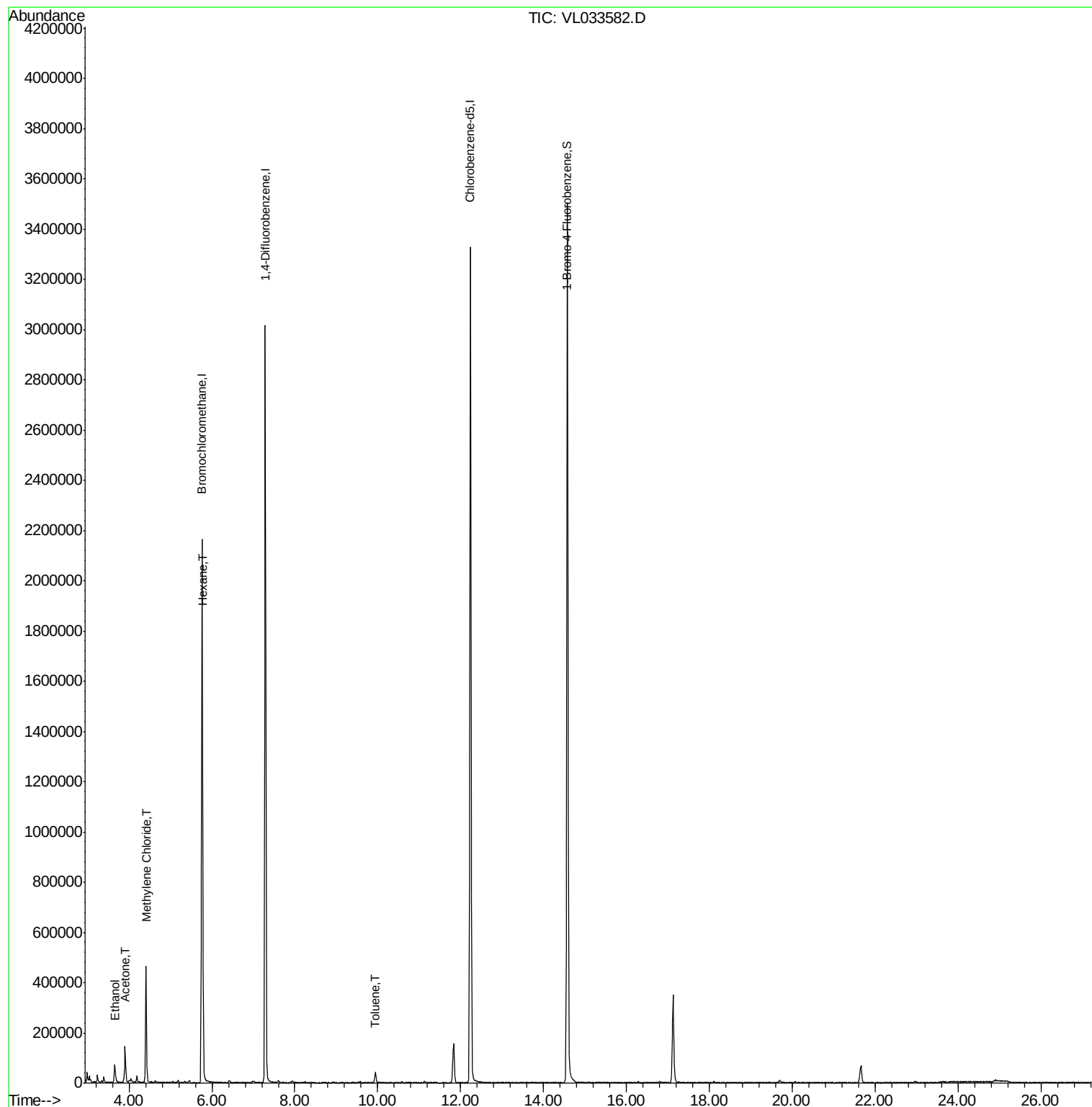
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041019\
Data File : VL033582.D
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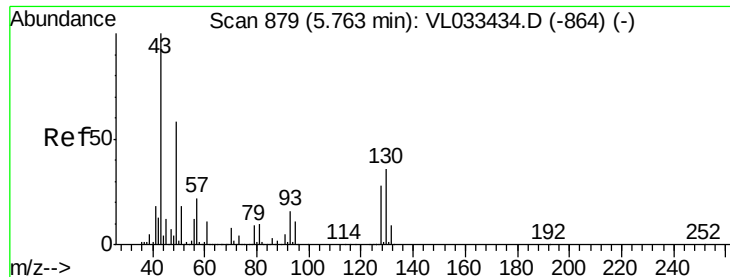
Instrument :
MSVOA_L
ClientSampleId :
A-9DL

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Quant Time: Apr 11 05:16:32 2019
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: VL033582.D

Acq: 11 Apr 2019 2:56

Instrument :

MSVOA_L

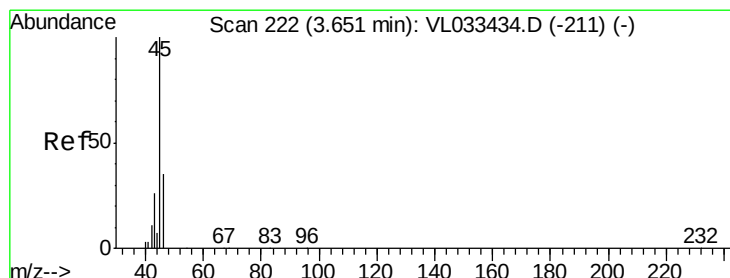
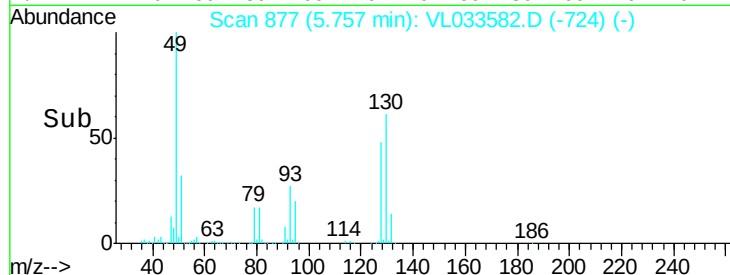
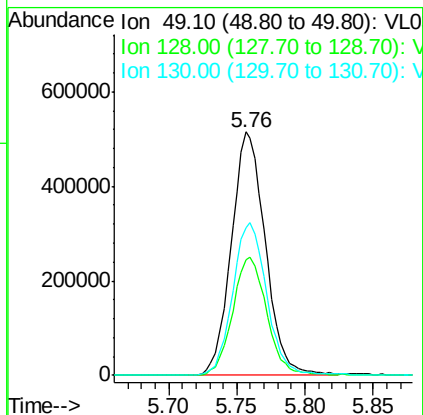
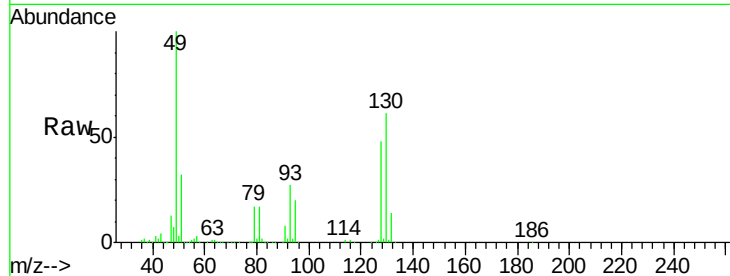
ClientSampled :

A-9DL

Tot Ion:	49	Resp:	891979
Ion Ratio	Lower	Upper	
49	100		
128	48.5	24.0	72.0
130	63.4	31.2	93.6

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#13

Ethanol

Concen: 6.862 ppbv m

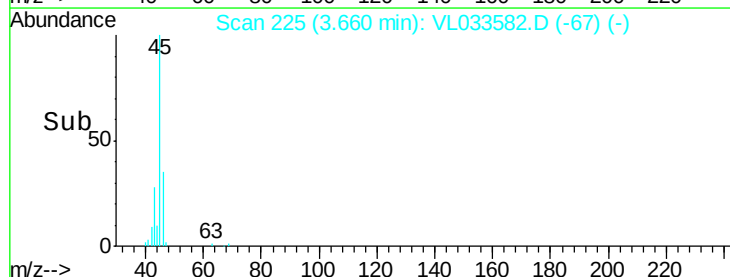
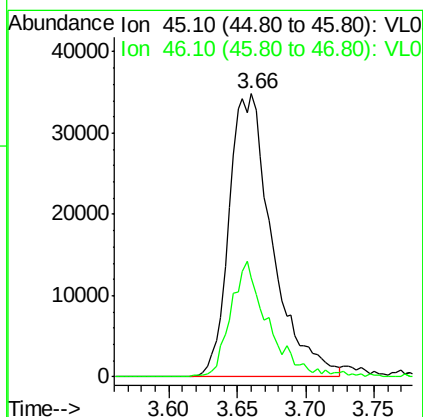
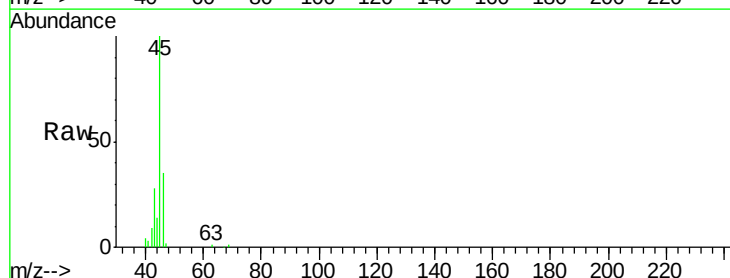
RT: 3.66 min Scan# 225

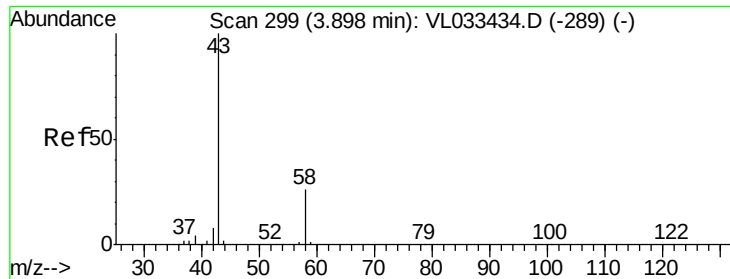
Delta R.T. 0.01 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Tgt Ion:	45	Resp:	76577
Ion Ratio	Lower	Upper	
45	100		
46	0.0	25.4	101.8#





#15

Acetone

Concen: 1.287 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Instrument :

MSVOA_L

ClientSampled :

A-9DL

Tot Ion: 43 Resp: 137985

Ion Ratio Lower Upper

43 100

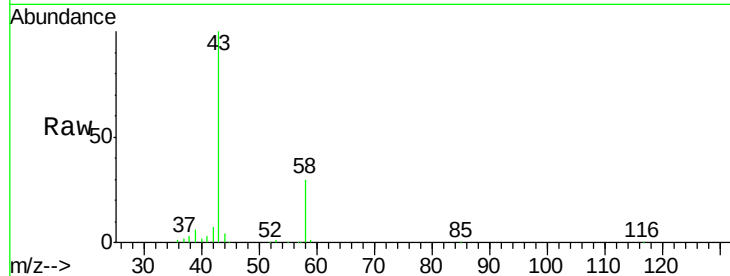
58 26.3 20.5 30.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

100000

80000

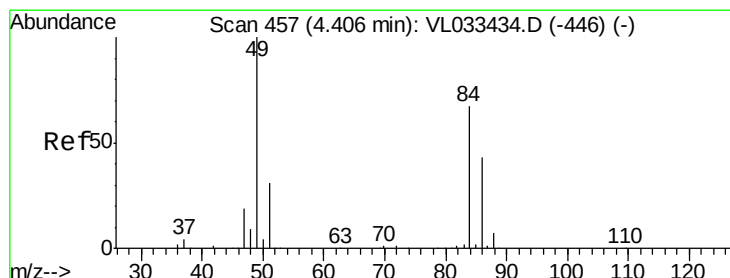
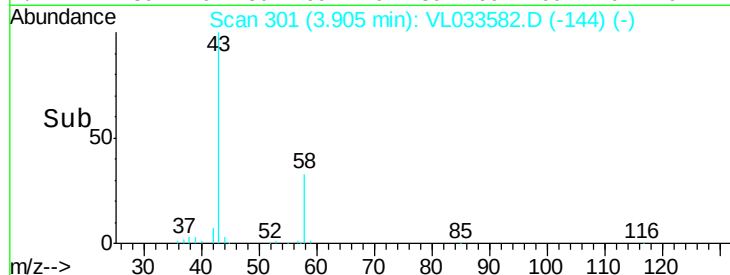
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 3.574 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Tgt Ion: 84 Resp: 162701

Ion Ratio Lower Upper

84 100

49 147.6 120.0 180.0

51 47.5 36.7 55.1

86 67.8 51.9 77.9

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

200000

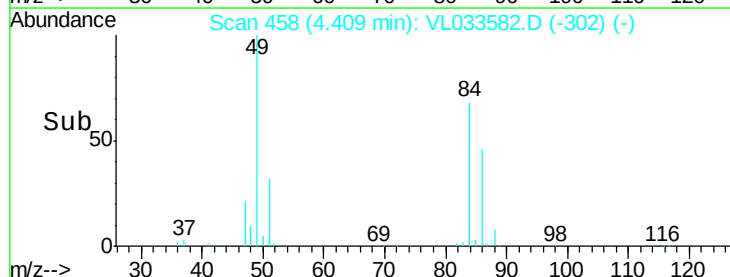
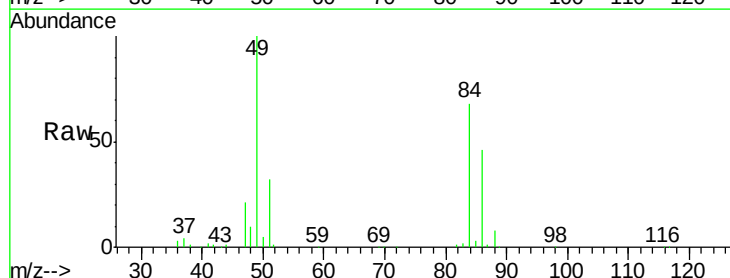
150000

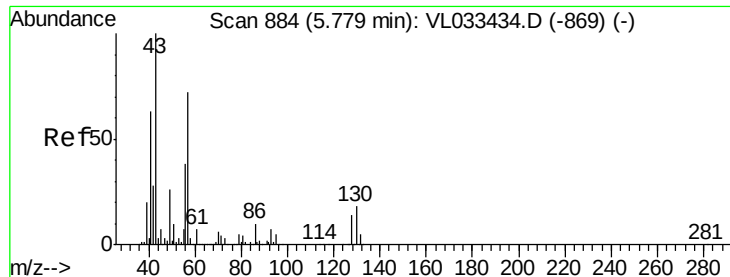
100000

50000

0

Time-->





#26

Hexane

Concen: 2.155 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Instrument :

MSVOA_L

ClientSampled :

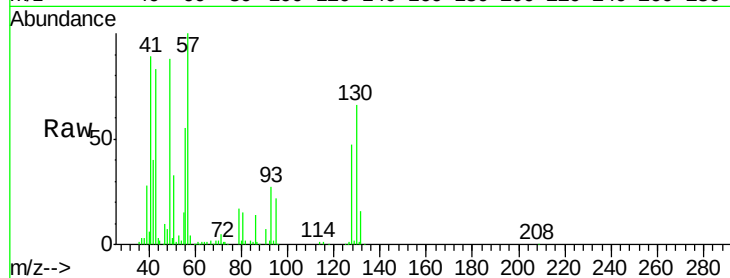
A-9DL

Tot Ion: 57 Resp: 190684

Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.7	106.1
43	84.7	182.6	274.0#
56	56.0	42.0	63.0

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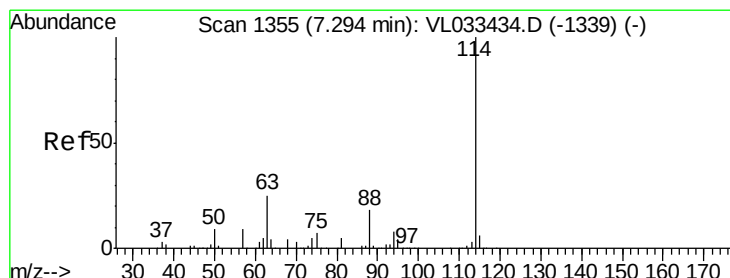
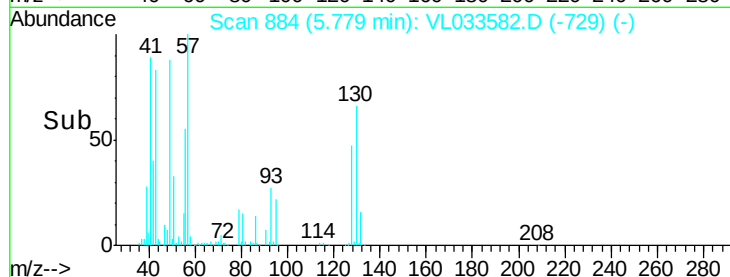
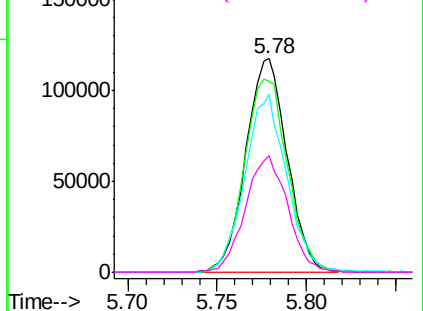


Abundance Ion 57.10 (56.80 to 57.80): VL0

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

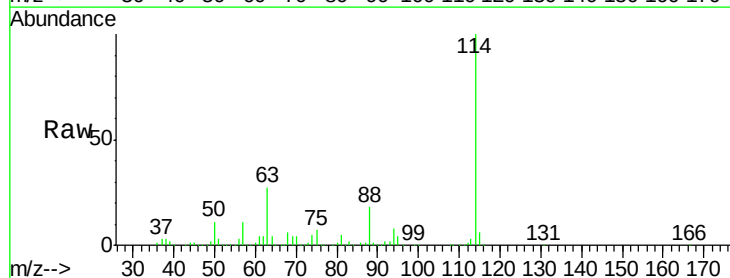
Delta R.T. -0.01 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Tgt Ion: 114 Resp: 2043411

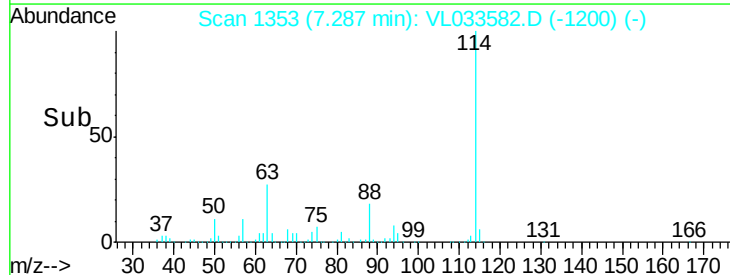
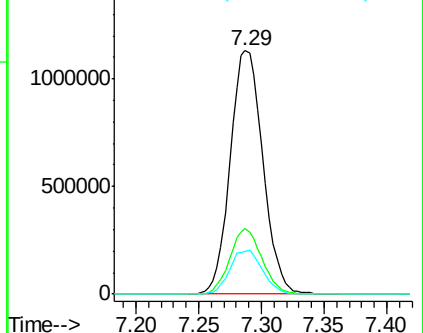
Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.3	14.5	21.7

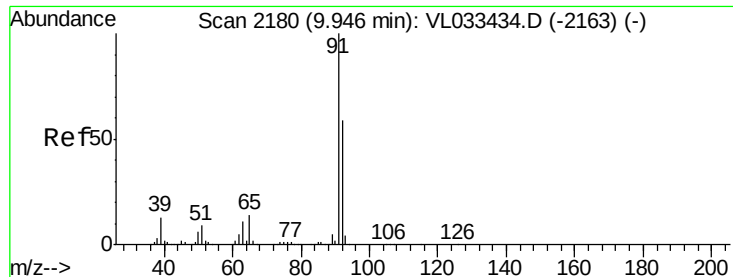


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





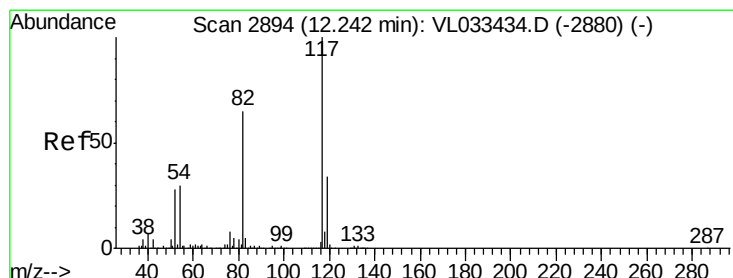
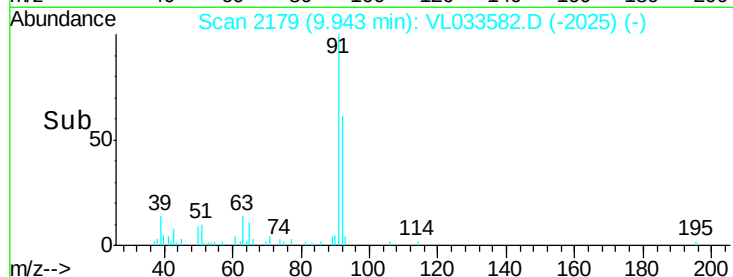
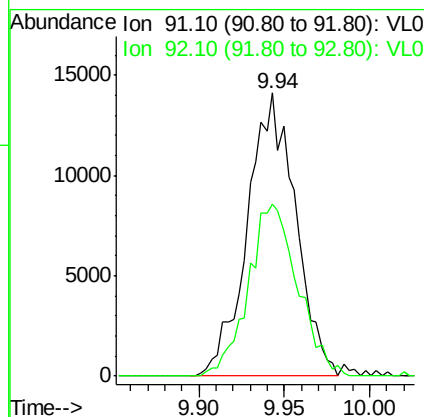
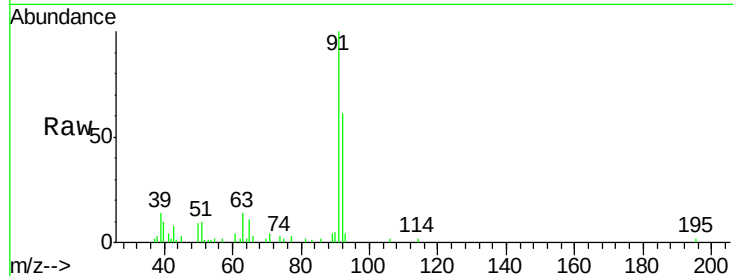
#53
Toluene
Concen: 0.138 ppbv m
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033582.D
Acq: 11 Apr 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tot Ion: 91 Resp: 27469
Ion Ratio Lower Upper
91 100
92 62.5 47.4 71.0

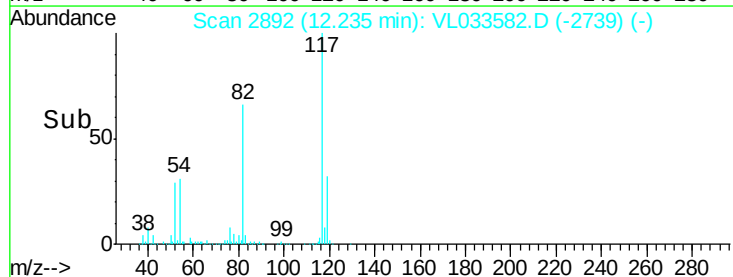
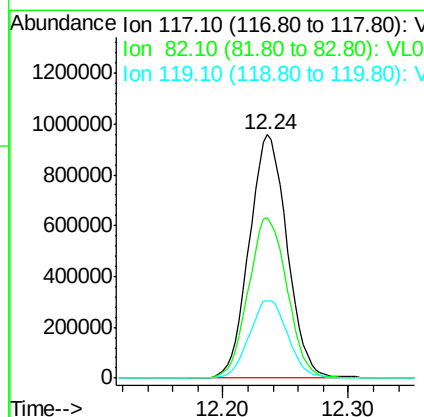
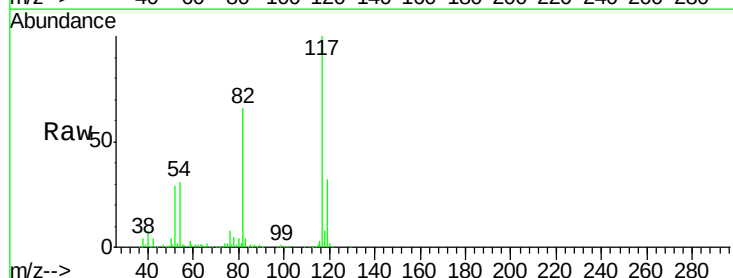
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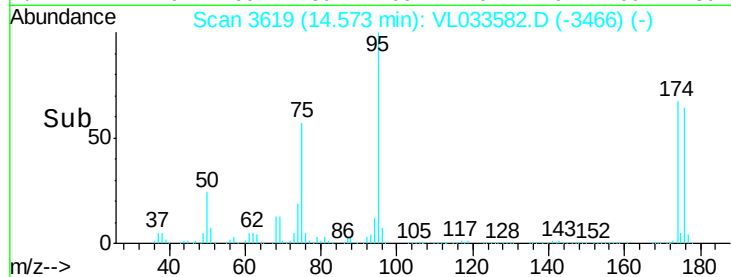
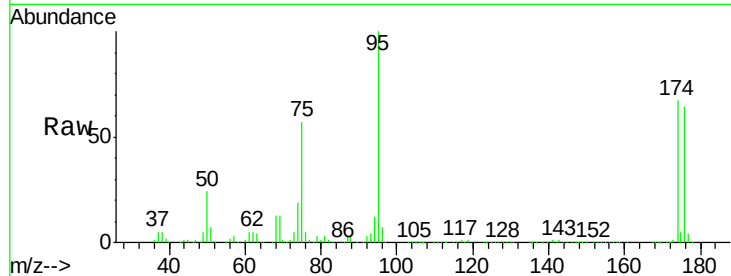
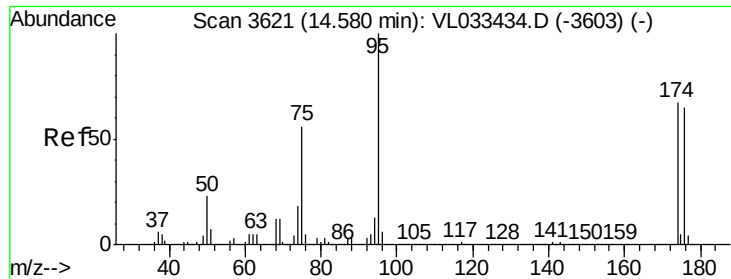
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033582.D
Acq: 11 Apr 2019 2:56

Tgt Ion: 117 Resp: 2014819
Ion Ratio Lower Upper
117 100
82 67.6 51.5 77.3
119 32.6 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.200 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033582.D

Acq: 11 Apr 2019 2:56

Instrument :

MSVOA_L

ClientSampleId :

A-9DL

Tot Ion: 95 Resp: 1611118

Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

175 4.9 3.8 5.6

Manual Integrations
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