

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032444.D
 Acq On : 31 Aug 2018 17:02
 Operator : SY/AP
 Sample : J4472-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
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Quant Time: Sep 02 22:14:18 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 2018

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	2026678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3878599	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3712358	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2836271	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.07	41	44240	0.598	ppbv	99
11) Trichlorofluoromethane	4.04	101	68411	0.293	ppbv	93
13) Ethanol	3.69	45	79123	3.430	ppbv	96
15) Acetone	3.94	43	338724	1.856	ppbv	100
19) Isopropyl Alcohol	4.08	45	185537	1.550	ppbv #	95
34) 2-Butanone	5.38	43	93536	0.363	ppbv	99
53) Toluene	9.99	91	47783m	0.138	ppbv	
76) 1,4-Dichlorobenzene	17.36	146	855233	3.339	ppbv	100

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

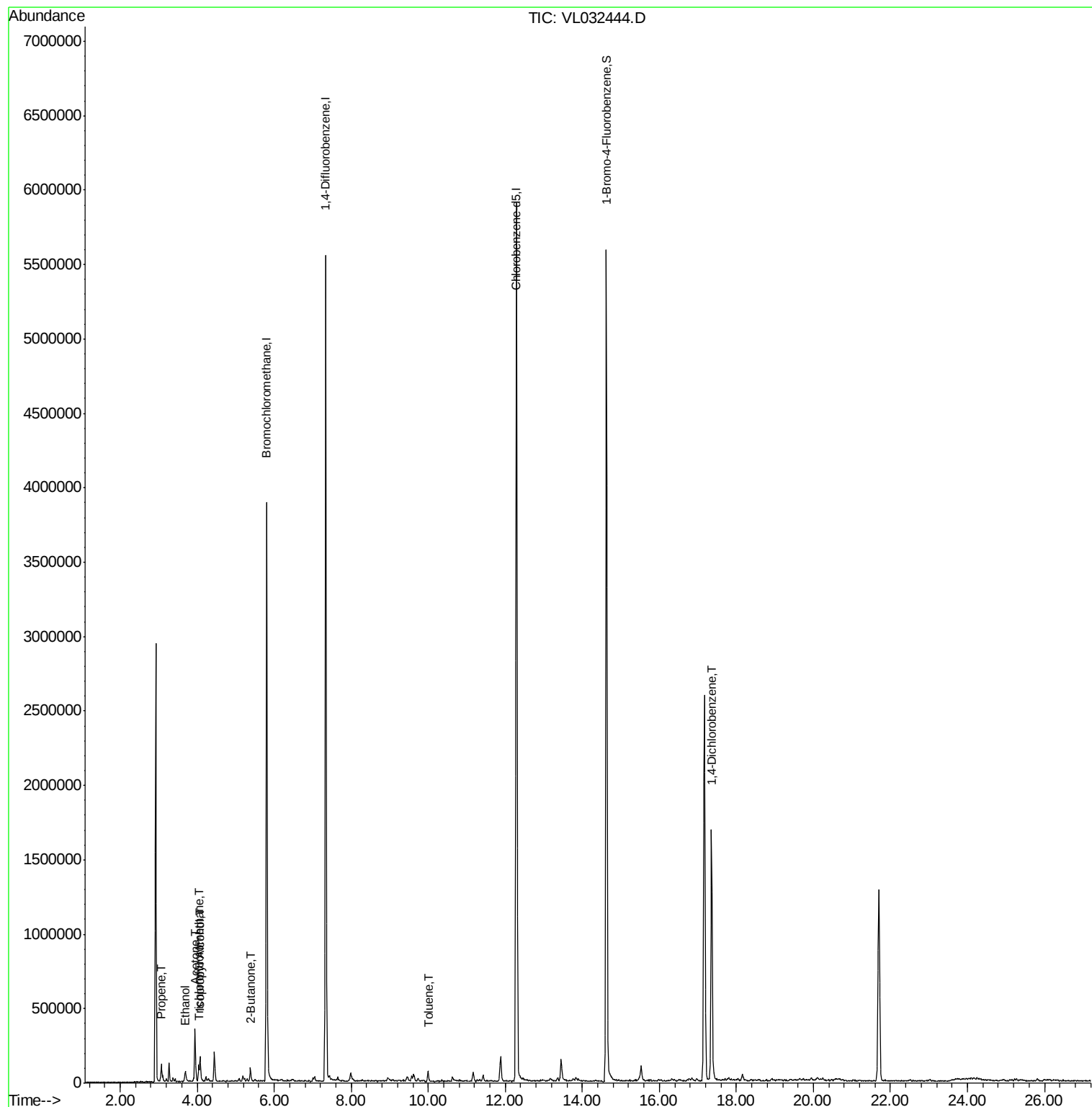
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032444.D
Acq On : 31 Aug 2018 17:02
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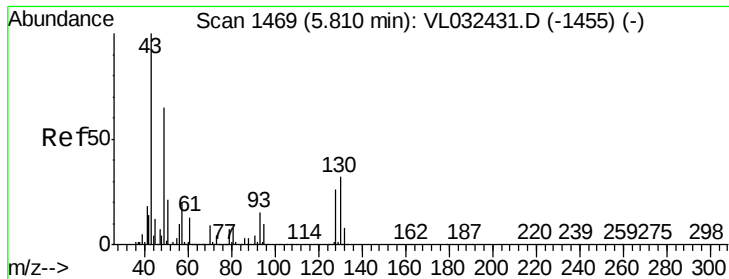
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

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Quant Time: Sep 02 22:14:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032444.D

Acq: 31 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampled :

SS-2DL

Tgt Ion: 49 Resp: 2026678

Ion Ratio Lower Upper

49 100

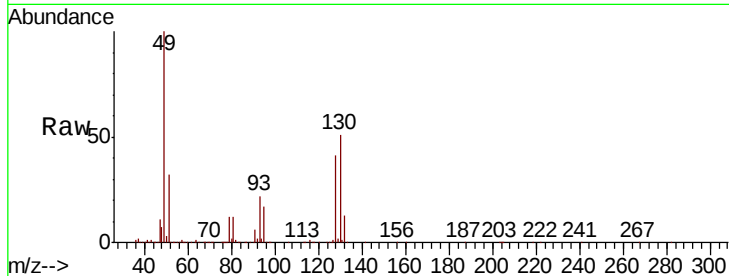
128 41.1 20.7 62.1

130 52.5 26.6 79.7

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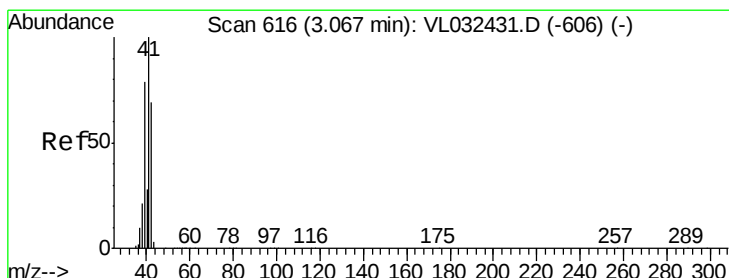
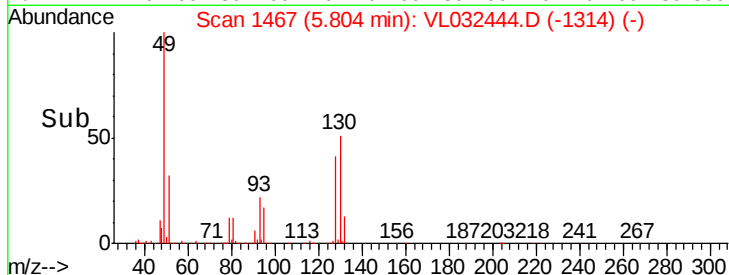
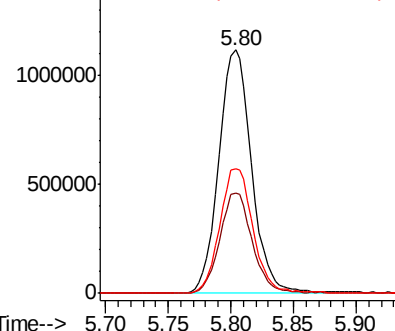
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.598 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.00 min

Lab File: VL032444.D

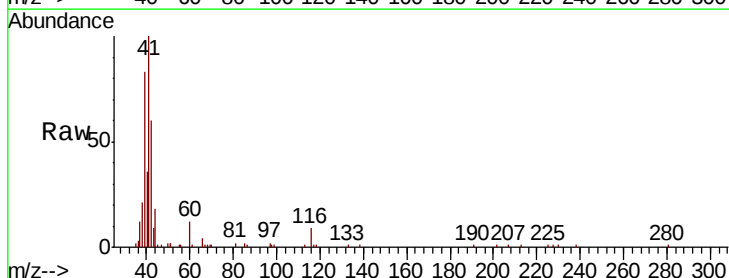
Acq: 31 Aug 2018 17:02

Tgt Ion: 41 Resp: 44240

Ion Ratio Lower Upper

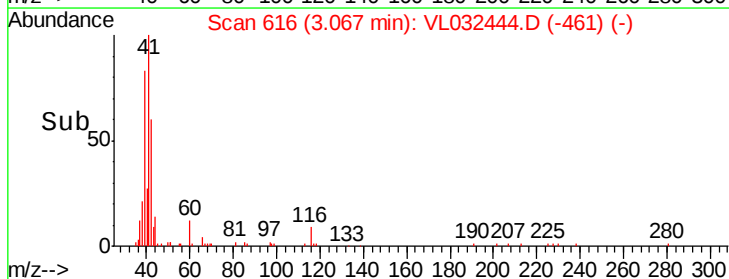
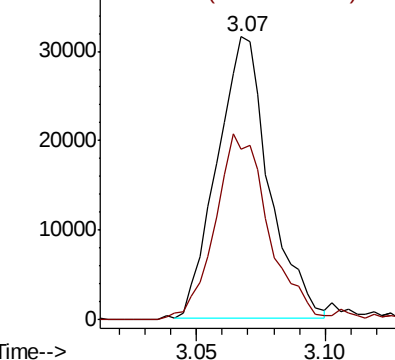
41 100

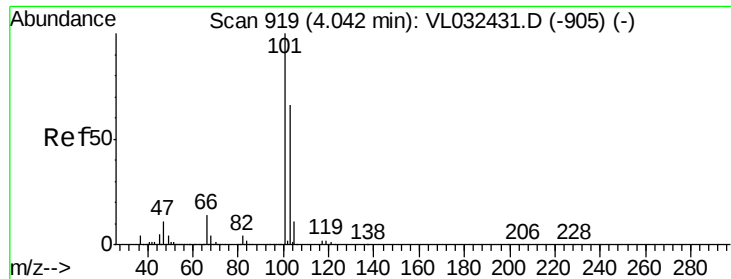
42 69.7 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





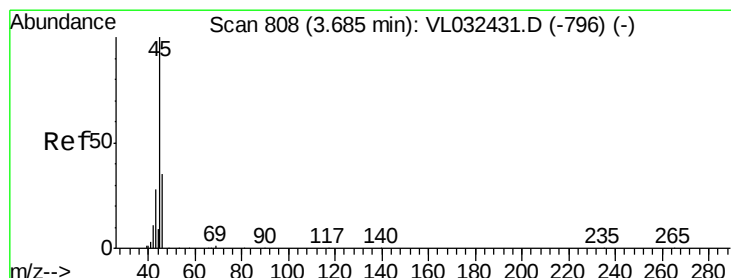
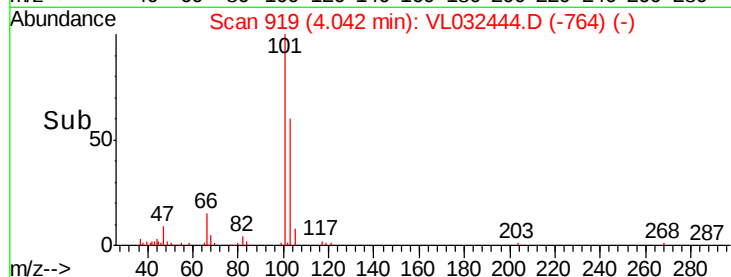
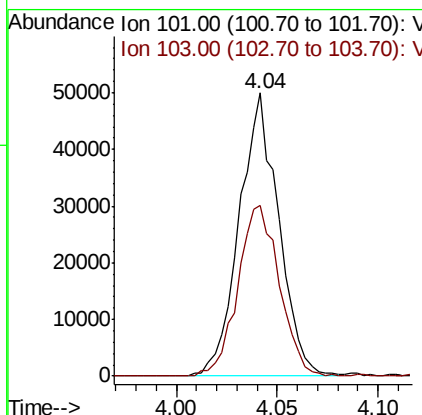
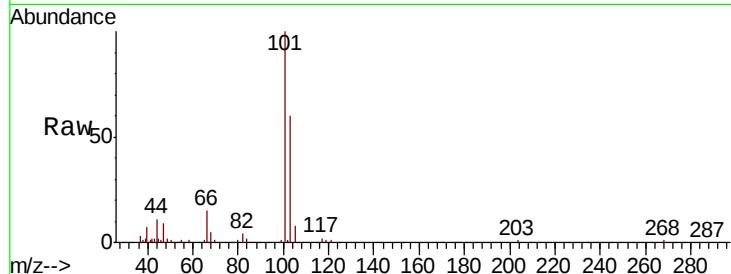
#11
 Trichlorofluoromethane
 Concen: 0.293 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2DL

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.8	79.2

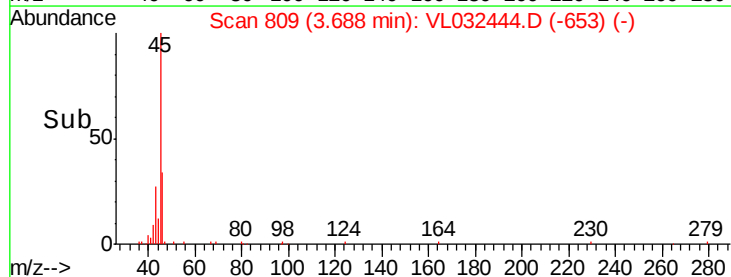
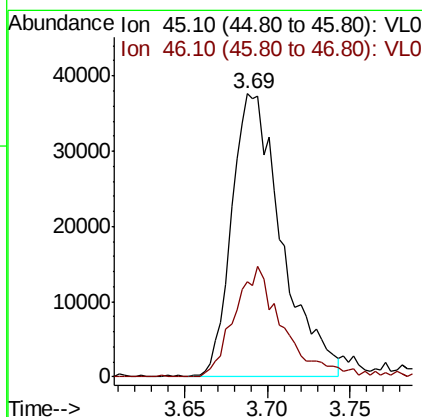
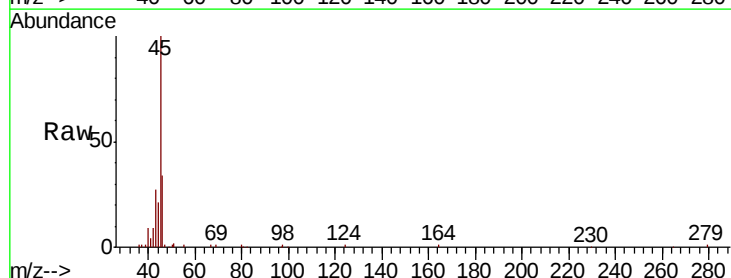
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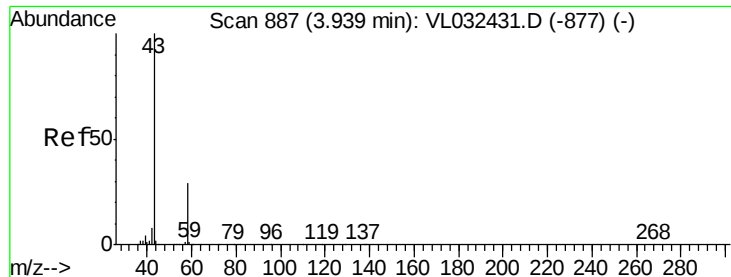
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#13
 Ethanol
 Concen: 3.430 ppbv
 RT: 3.69 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.2	56.8





#15

Acetone

Concen: 1.856 ppbv

RT: 3.94 min Scan# 888

Delta R.T. 0.00 min

Lab File: VL032444.D

Acq: 31 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tgt Ion: 43 Resp: 338724

Ion Ratio Lower Upper

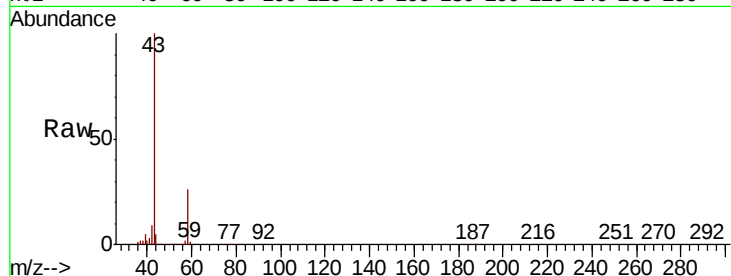
43 100

58 28.1 22.6 33.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

250000

200000

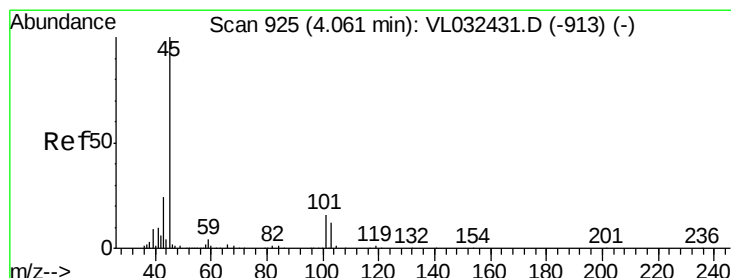
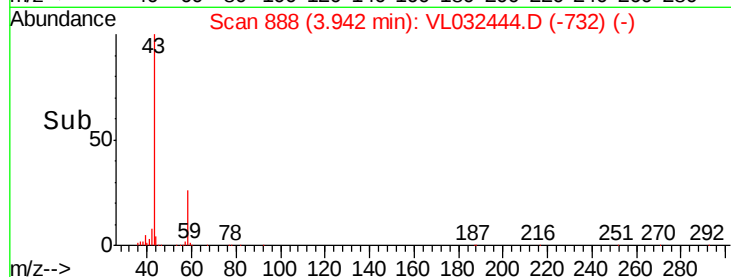
150000

100000

50000

0

Time-->



#19

Isopropyl Alcohol

Concen: 1.550 ppbv

RT: 4.08 min Scan# 930

Delta R.T. 0.02 min

Lab File: VL032444.D

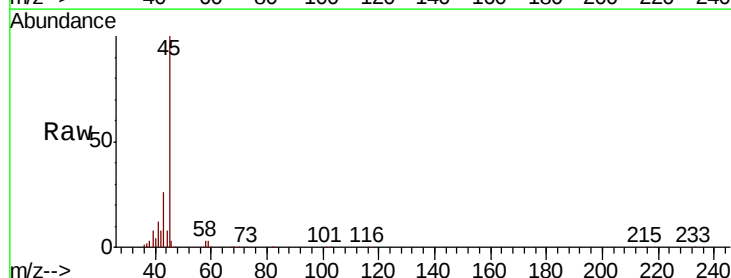
Acq: 31 Aug 2018 17:02

Tgt Ion: 45 Resp: 185537

Ion Ratio Lower Upper

45 100

58 4.1 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.08

100000

80000

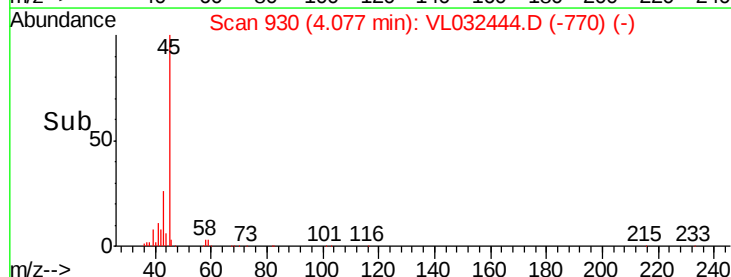
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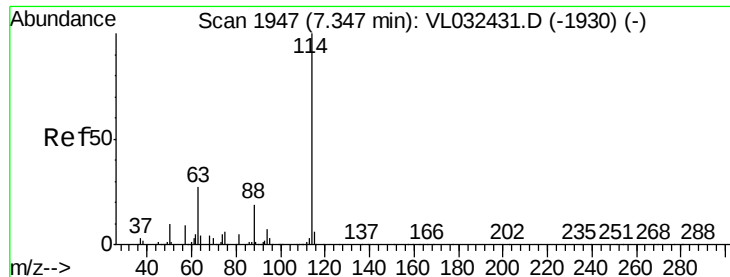
40000

20000

0

Time-->





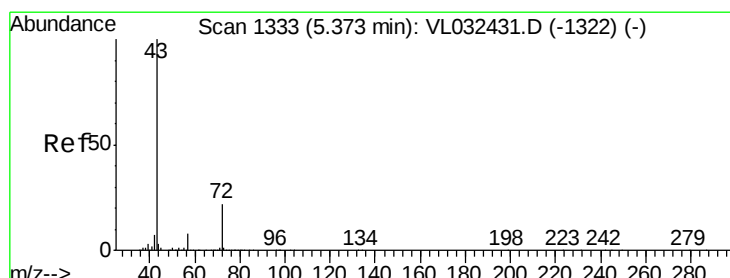
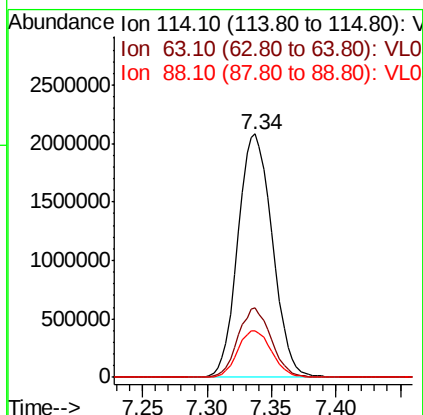
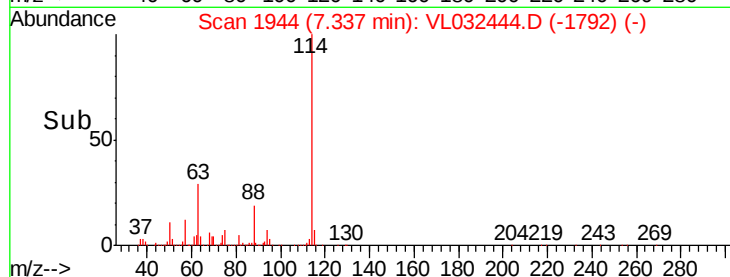
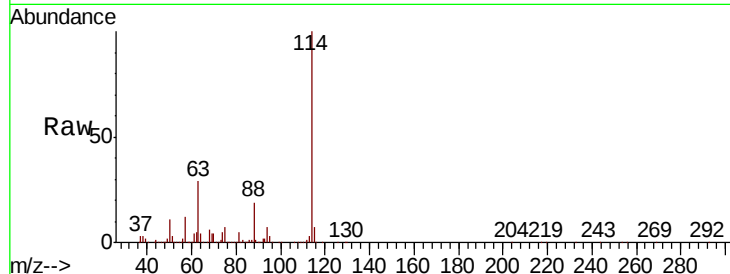
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.9	15.0	22.4

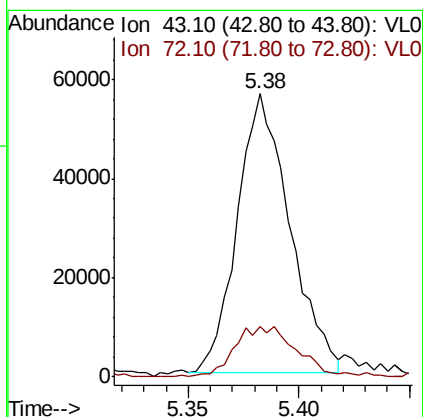
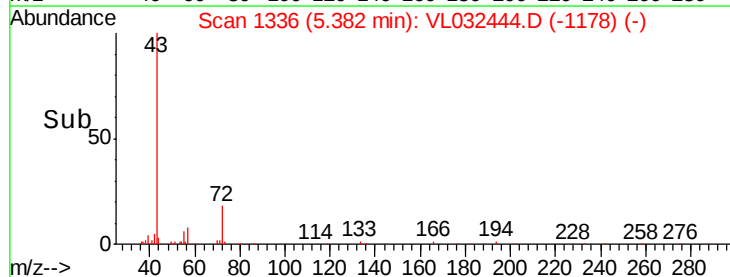
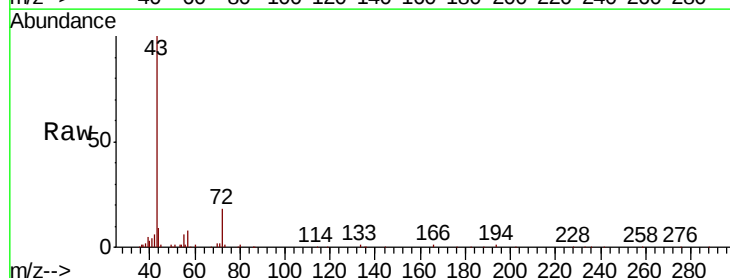
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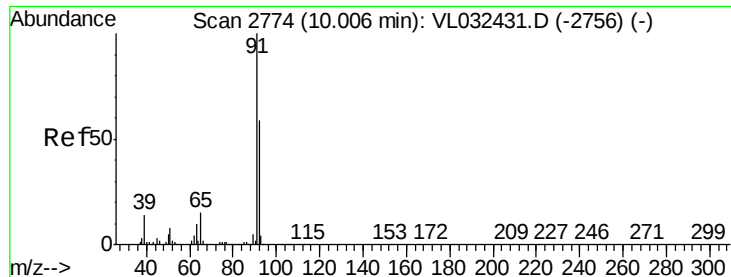
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#34
 2-Butanone
 Concen: 0.363 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6





#53

Toluene

Concen: 0.138 ppbv m

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032444.D

Acq: 31 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampled :

SS-2DL

Tgt Ion: 91 Resp: 47783

Ion Ratio Lower Upper

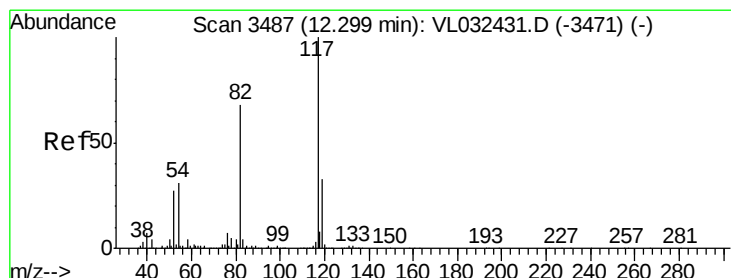
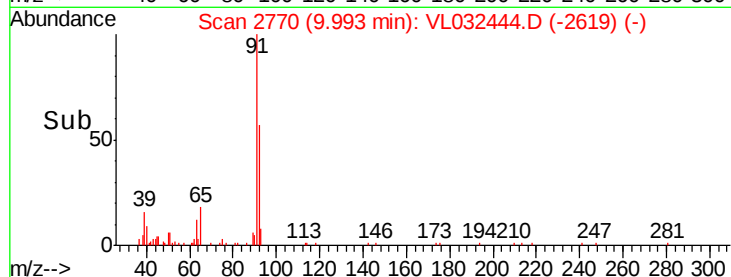
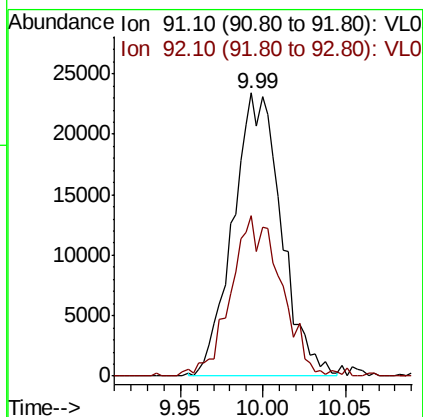
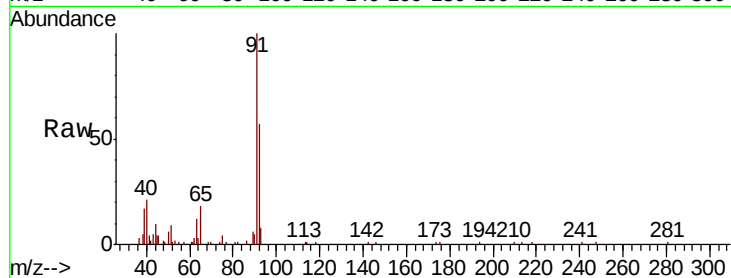
91 100

92 59.1 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: VL032444.D

Acq: 31 Aug 2018 17:02

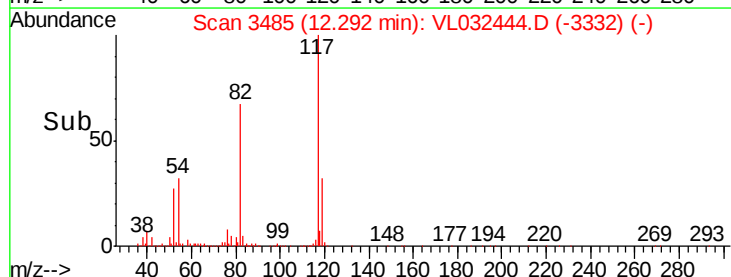
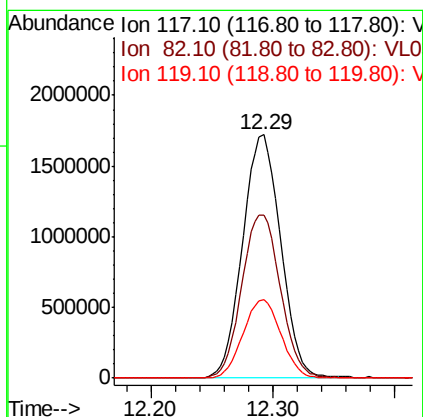
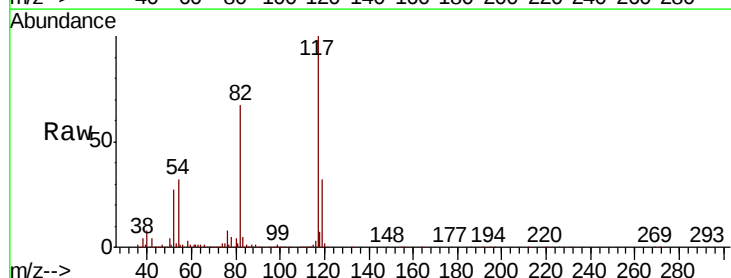
Tgt Ion: 117 Resp: 3712358

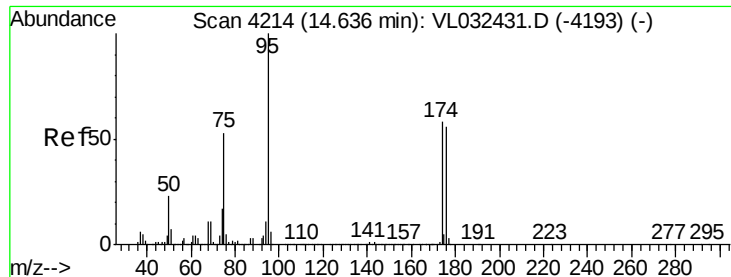
Ion Ratio Lower Upper

117 100

82 68.8 53.0 79.6

119 32.4 45.9 68.9#





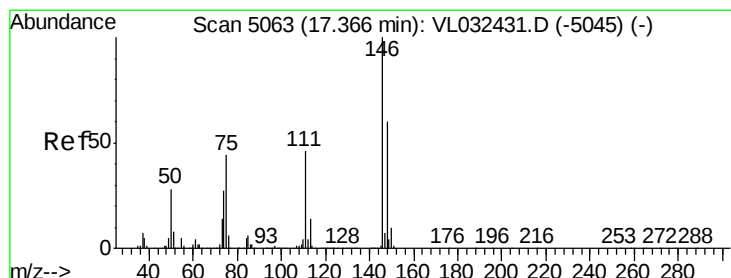
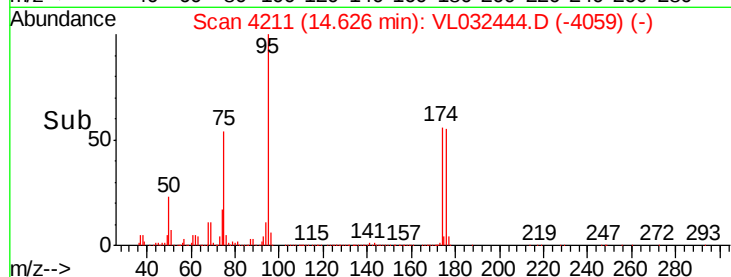
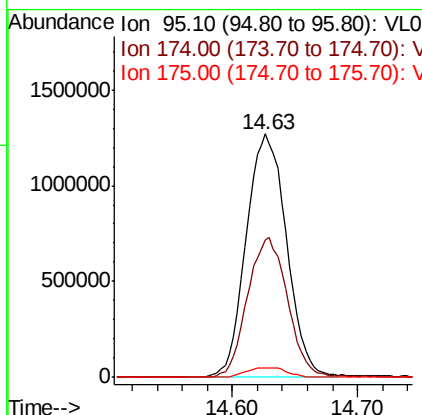
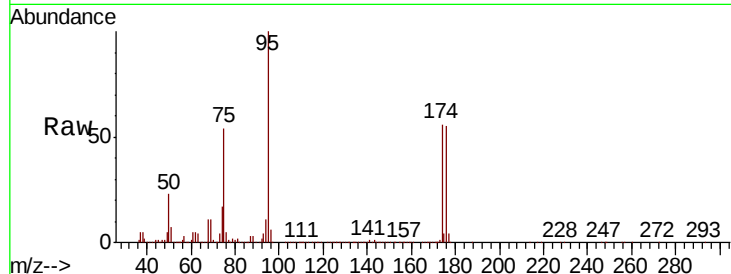
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.291 ppbv
 RT: 14.63 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-2DL

Tgt Ion: 95 Resp: 2836271
 Ion Ratio Lower Upper
 95 100
 174 57.5 46.3 69.5
 175 4.2 3.4 5.0

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#76
 1,4-Dichlorobenzene
 Concen: 3.339 ppbv
 RT: 17.36 min Scan# 5061
 Delta R.T. -0.01 min
 Lab File: VL032444.D
 Acq: 31 Aug 2018 17:02

Tgt Ion: 146 Resp: 855233
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.2
 148 63.8 32.0 96.2

