

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032574.D
 Acq On : 28 Sep 2018 7:20
 Operator : SY/AP
 Sample : J5094-06DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1DL

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:59 AM

Quant Time: Sep 28 07:54:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Sep 28 07:54:22 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1393739	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3034922	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3014356	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2303279	10.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	7280650	62.817	ppbv	98
9) Propene	3.07	41	43423m	0.863	ppbv	
13) Ethanol	3.68	45	6052043	400.381	ppbv	96
15) Acetone	3.92	43	1706671	13.950	ppbv	100
19) Isopropyl Alcohol	4.07	45	429933	5.045	ppbv #	1
34) 2-Butanone	5.36	43	52071m	0.288	ppbv	
53) Toluene	9.98	91	44904	0.150	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	47794m	0.133	ppbv	

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

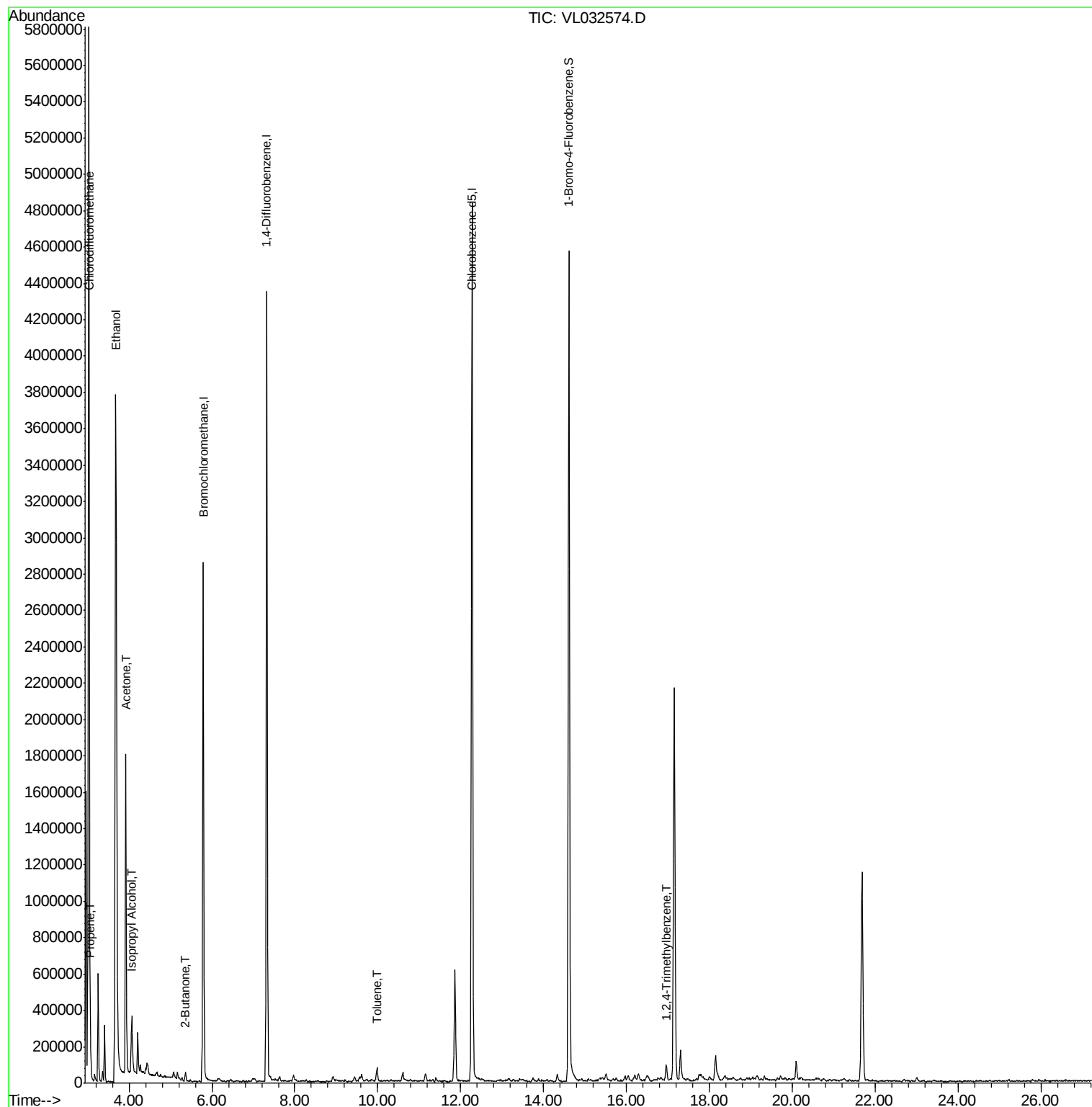
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032574.D
Acq On : 28 Sep 2018 7:20
Operator : SY/AP
Sample : J5094-06DL 10X
Misc : 400ml/MSVOA_L
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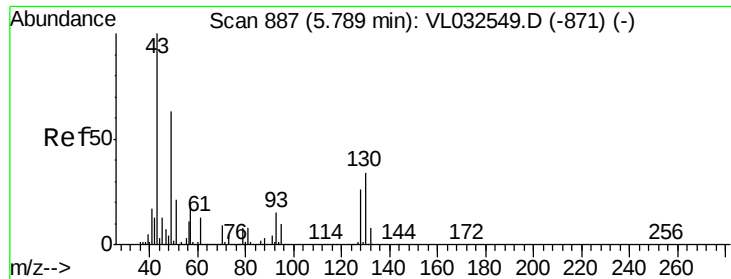
Instrument :
MSVOA_L
ClientSampleId :
KIA-1DL

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10/1/2018 11:57:59 AM

Quant Time: Sep 28 07:54:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Instrument :

MSVOA_L

ClientSampled :

KIA-1DL

Tgt Ion: 49 Resp: 1393739

Ion Ratio Lower Upper

49 100

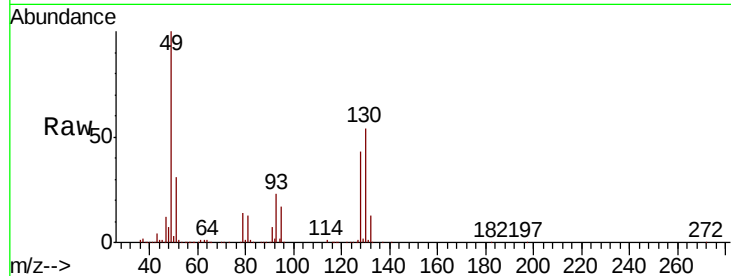
128 43.8 20.7 62.1

130 55.3 26.6 79.7

Manual Integrations
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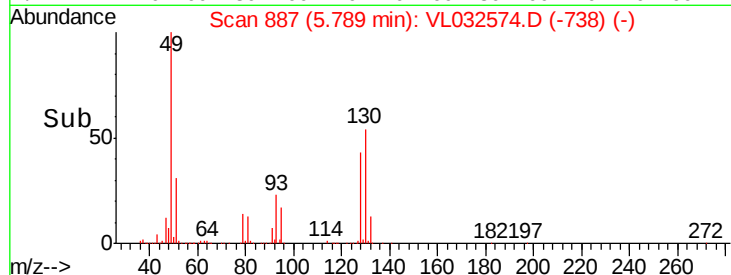


Abundance Ion 49.10 (48.80 to 49.80): VL0

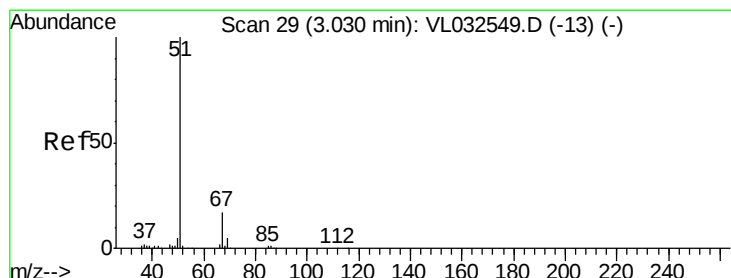
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 62.817 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032574.D

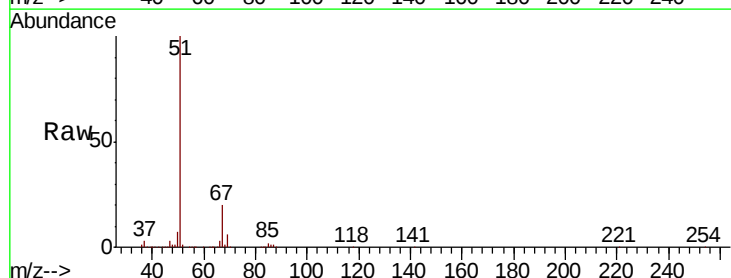
Acq: 28 Sep 2018 7:20

Tgt Ion: 51 Resp: 7280650

Ion Ratio Lower Upper

51 100

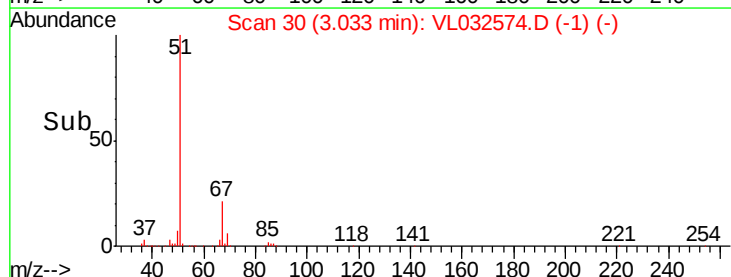
67 18.1 13.8 20.8



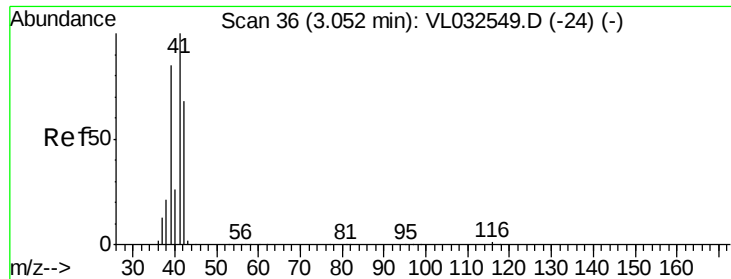
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->



Time-->



#9

Propene

Concen: 0.863 ppbv m

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Instrument :

MSVOA_L

ClientSampleId :

KIA-1DL

Tgt Ion: 41 Resp: 43423

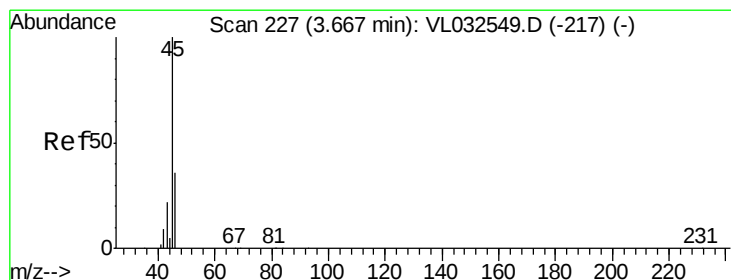
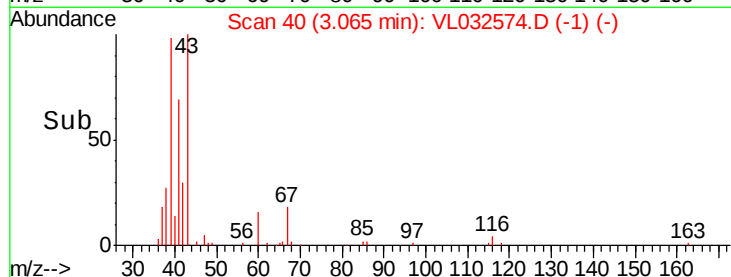
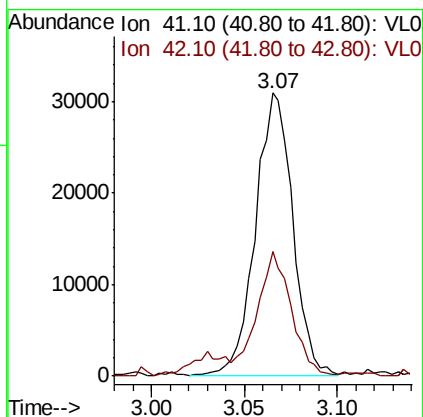
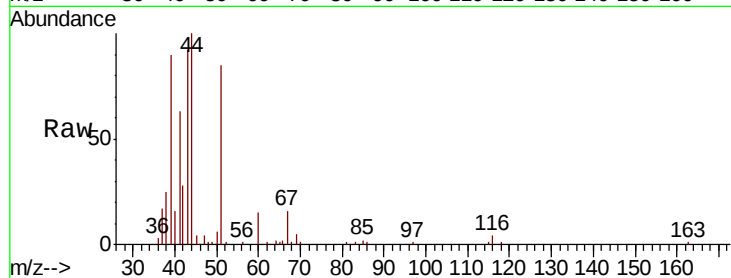
Ion Ratio Lower Upper

41 100

42 251.1 56.6 84.8#

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#13

Ethanol

Concen: 400.381 ppbv

RT: 3.68 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL032574.D

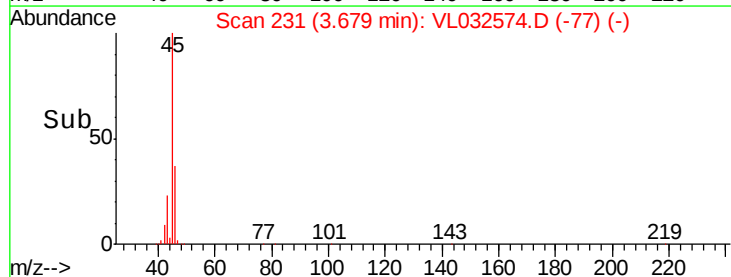
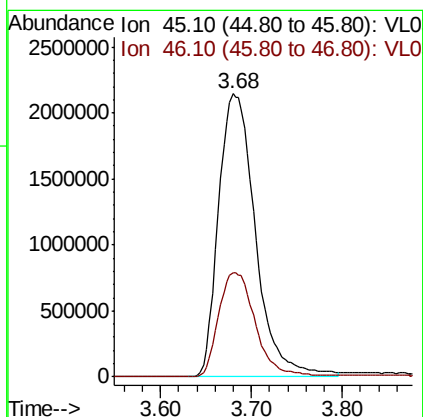
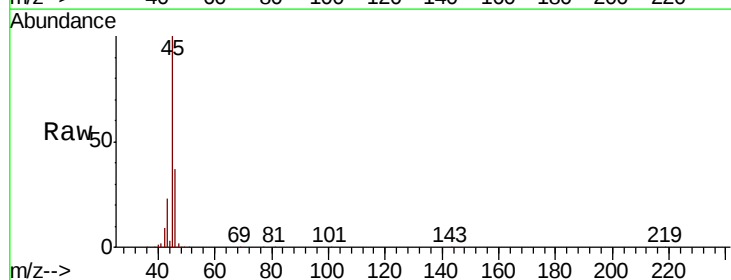
Acq: 28 Sep 2018 7:20

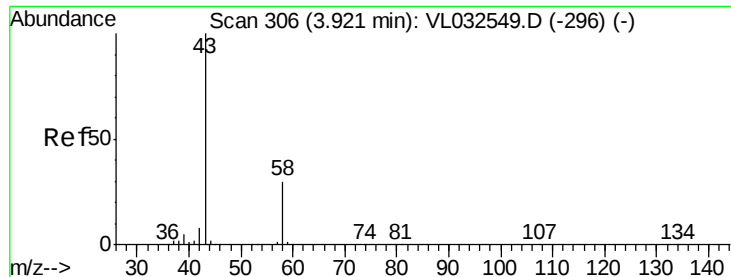
Tgt Ion: 45 Resp: 6052043

Ion Ratio Lower Upper

45 100

46 37.6 14.2 56.8





#15

Acetone

Concen: 13.950 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Instrument :

MSVOA_L

ClientSampleId :

KIA-1DL

Tgt Ion: 43 Resp: 1706671

Ion Ratio Lower Upper

43 100

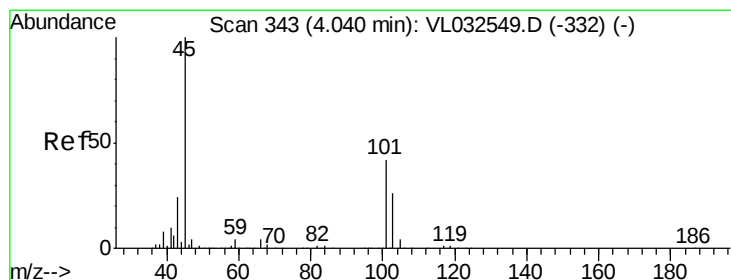
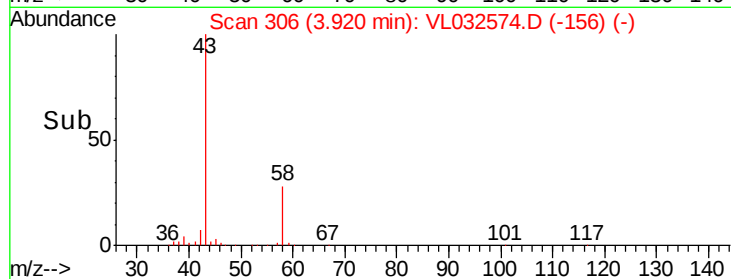
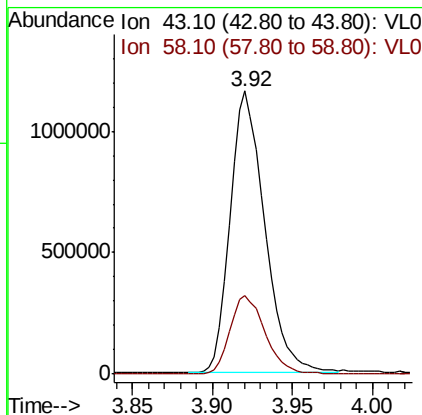
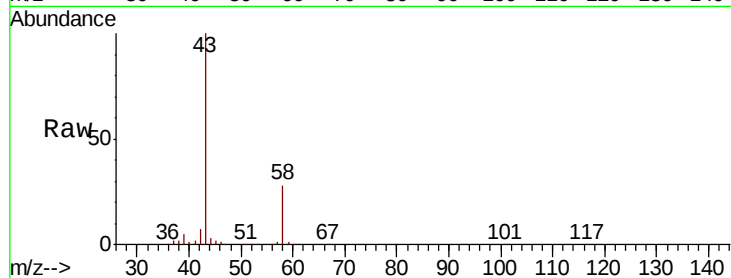
58 28.4 22.6 33.8

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#19

Isopropyl Alcohol

Concen: 5.045 ppbv

RT: 4.07 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL032574.D

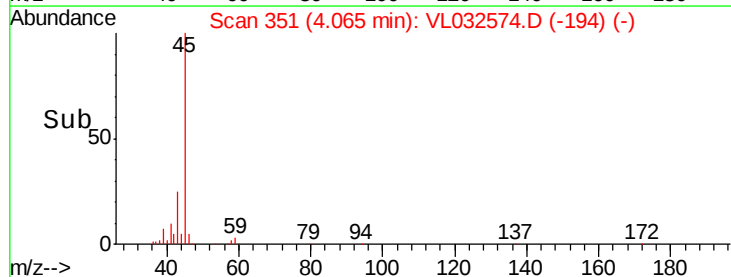
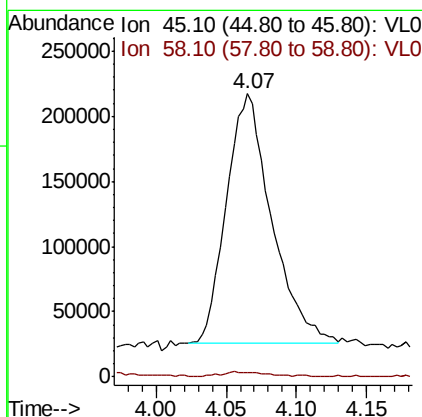
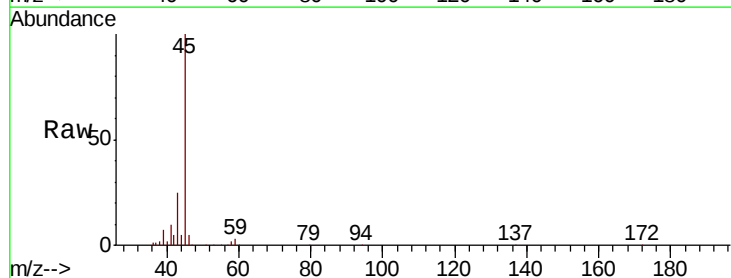
Acq: 28 Sep 2018 7:20

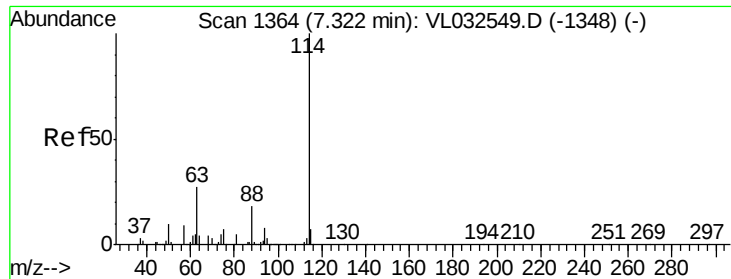
Tgt Ion: 45 Resp: 429933

Ion Ratio Lower Upper

45 100

58 113.0 2.0 3.0#





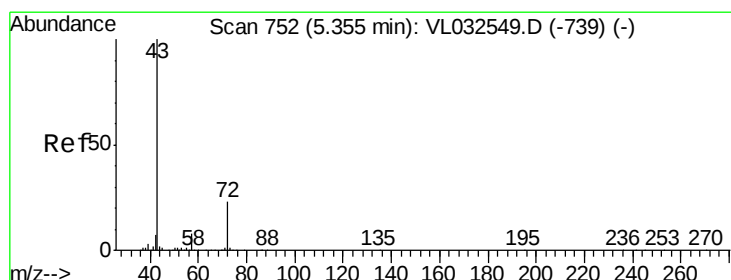
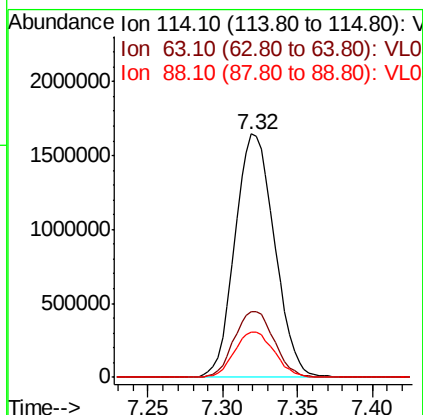
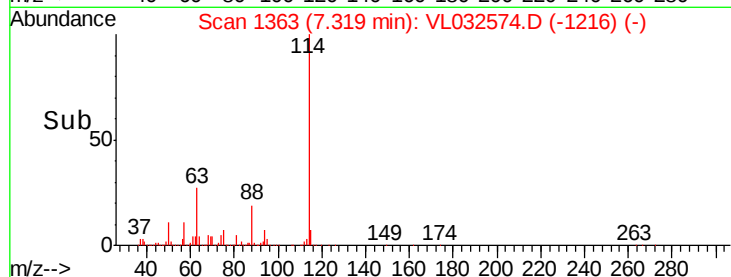
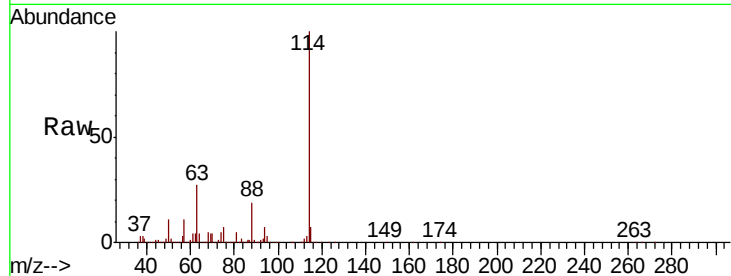
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032574.D
 Acq: 28 Sep 2018 7:20

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.9	15.0	22.4

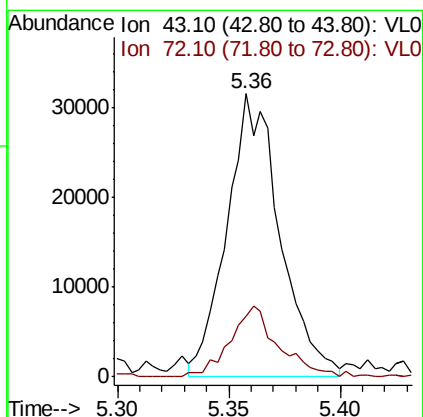
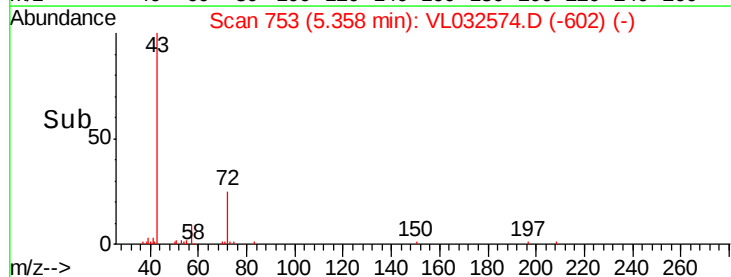
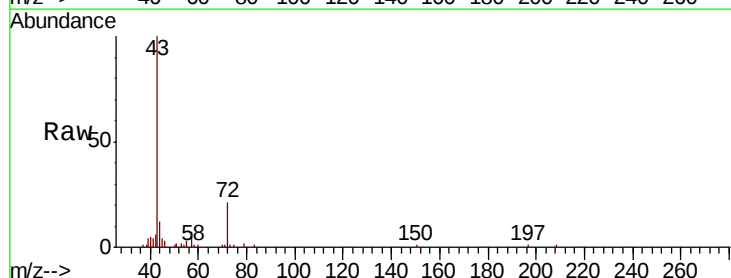
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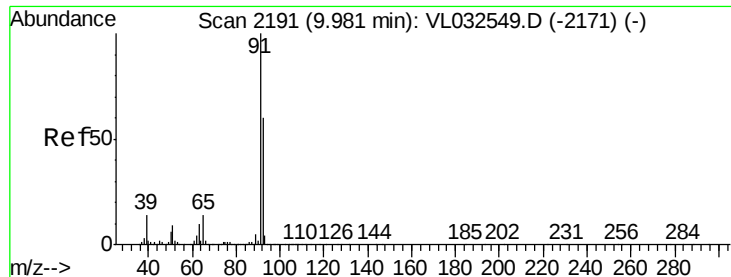
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#34
 2-Butanone
 Concen: 0.288 ppbv m
 RT: 5.36 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: VL032574.D
 Acq: 28 Sep 2018 7:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#





#53

Toluene

Concen: 0.150 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Instrument :

MSVOA_L

ClientSampled :

KIA-1DL

Tgt Ion: 91 Resp: 44904

Ion Ratio Lower Upper

91 100

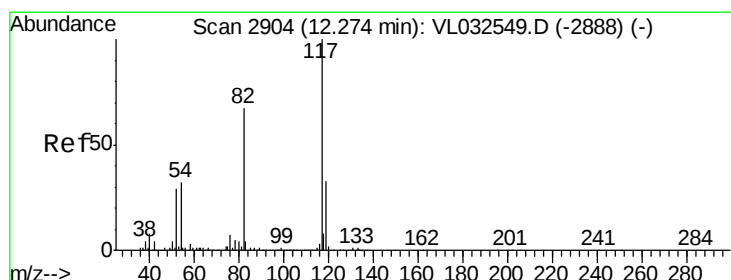
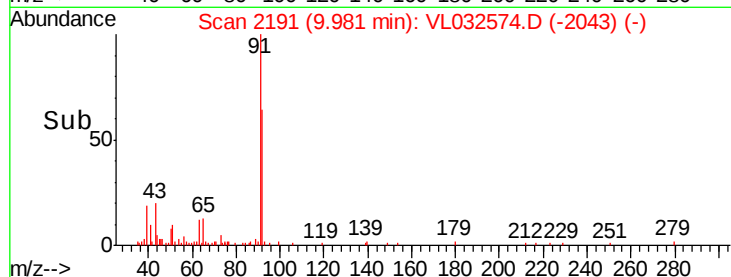
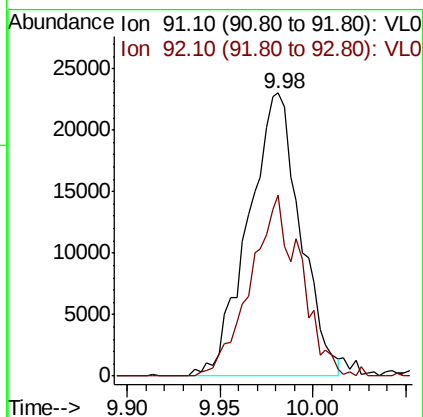
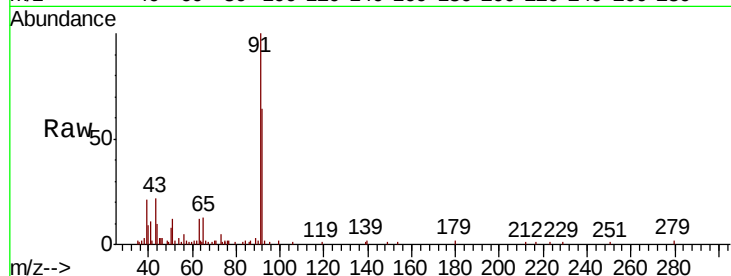
92 61.8 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

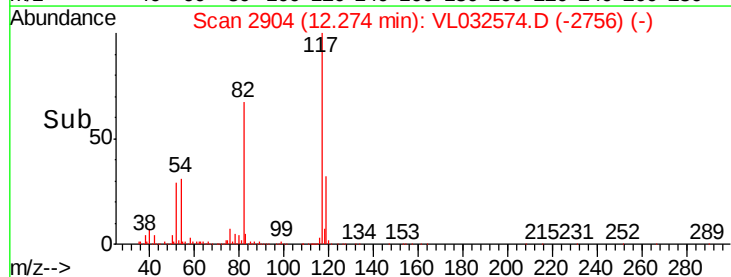
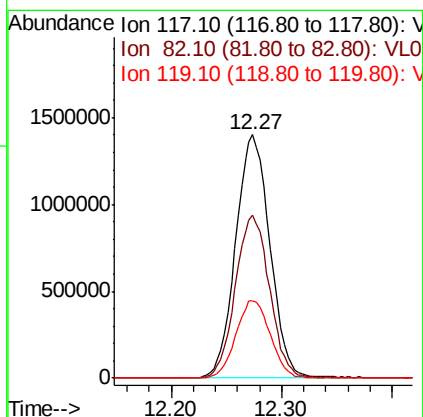
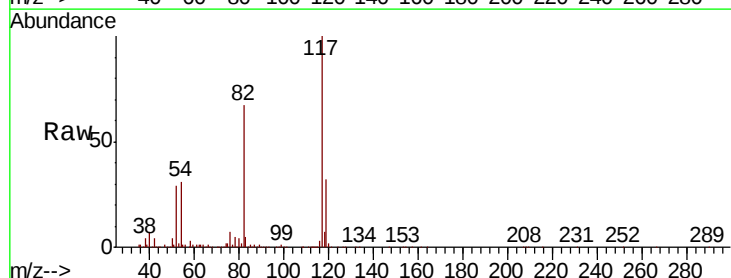
Tgt Ion: 117 Resp: 3014356

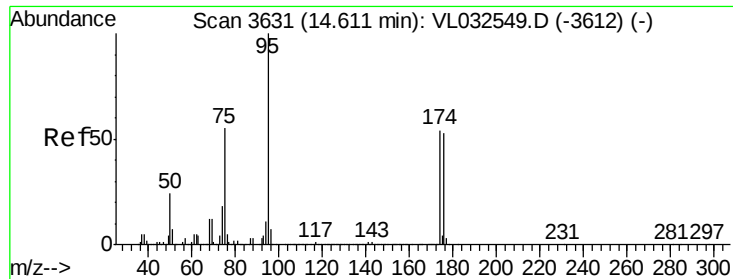
Ion Ratio Lower Upper

117 100

82 67.3 53.0 79.6

119 32.2 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.132 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Instrument :

MSVOA_L

ClientSampled :

KIA-1DL

Tgt Ion: 95 Resp: 2303279

Ion Ratio Lower Upper

95 100

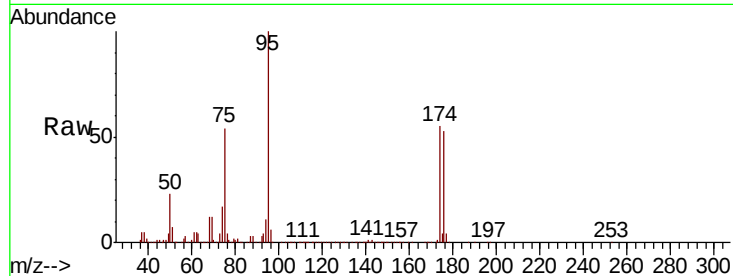
174 57.4 46.3 69.5

175 4.0 3.4 5.0

Manual Integrations
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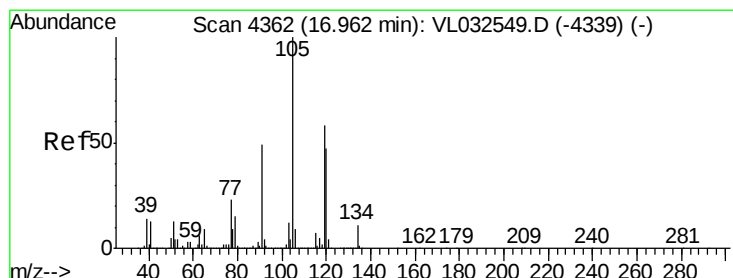
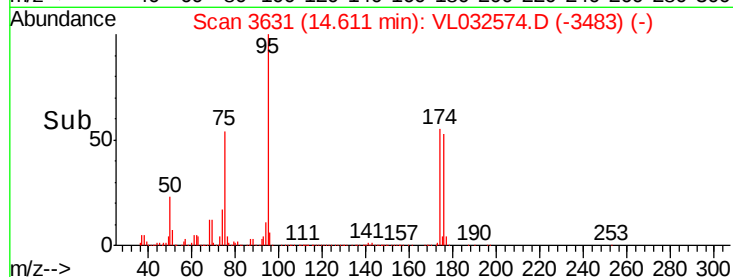
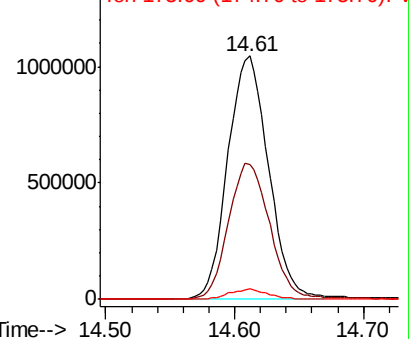
10/1/2018 11:57:59 AM



Abundance Ion 95.10 (94.80 to 95.80): VL032549.D (-3612) (-)

Ion 174.00 (173.70 to 174.70): VL032549.D (-3612) (-)

Ion 175.00 (174.70 to 175.70): VL032549.D (-3612) (-)



#74

1,2,4-Trimethylbenzene

Concen: 0.133 ppbv m

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032574.D

Acq: 28 Sep 2018 7:20

Tgt Ion: 105 Resp: 47794

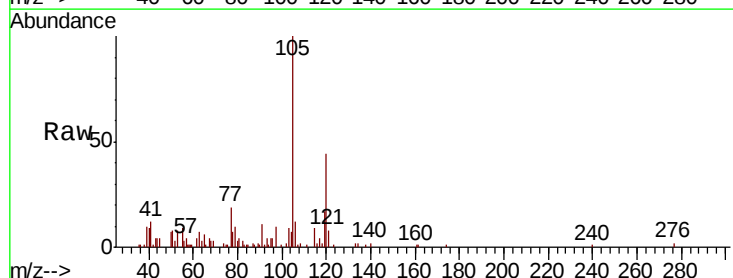
Ion Ratio Lower Upper

105 100

120 44.5 37.8 56.8

91 10.7 41.4 62.0#

77 18.6 18.6 28.0#



Abundance Ion 105.10 (104.80 to 105.80): VL032549.D (-4339) (-)

Ion 120.20 (119.90 to 120.90): VL032549.D (-4339) (-)

Ion 91.10 (90.80 to 91.80): VL032549.D (-4339) (-)

Ion 77.10 (76.80 to 77.80): VL032549.D (-4339) (-)

