

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032296.D
 Acq On : 19 Jul 2018 20:15
 Operator : SY/AP
 Sample : J4063-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BACK-STORAGE-RM-01-0717-01DL

Manual Integrations
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Quant Time: Jul 20 03:04:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1533205	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3047745	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3658380	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2899892	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.06	51	112703	0.66	ppbv	99
9) Propene	3.10	41	26254m	0.35	ppbv	
13) Ethanol	3.71	45	121363m	5.65	ppbv	
15) Acetone	3.97	43	497653	3.10	ppbv	94
19) Isopropyl Alcohol	4.11	45	56503m	0.52	ppbv	
20) Methylene Chloride	4.47	84	37053	0.60	ppbv	92
26) Hexane	5.86	57	28337	0.18	ppbv #	69
34) 2-Butanone	5.42	43	38061	0.18	ppbv	98
37) 1,2-Dichloroethane	6.49	62	29314	0.17	ppbv #	91
53) Toluene	10.03	91	83654m	0.23	ppbv	
59) m/p-Xylene	13.22	91	57551m	0.13	ppbv	

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

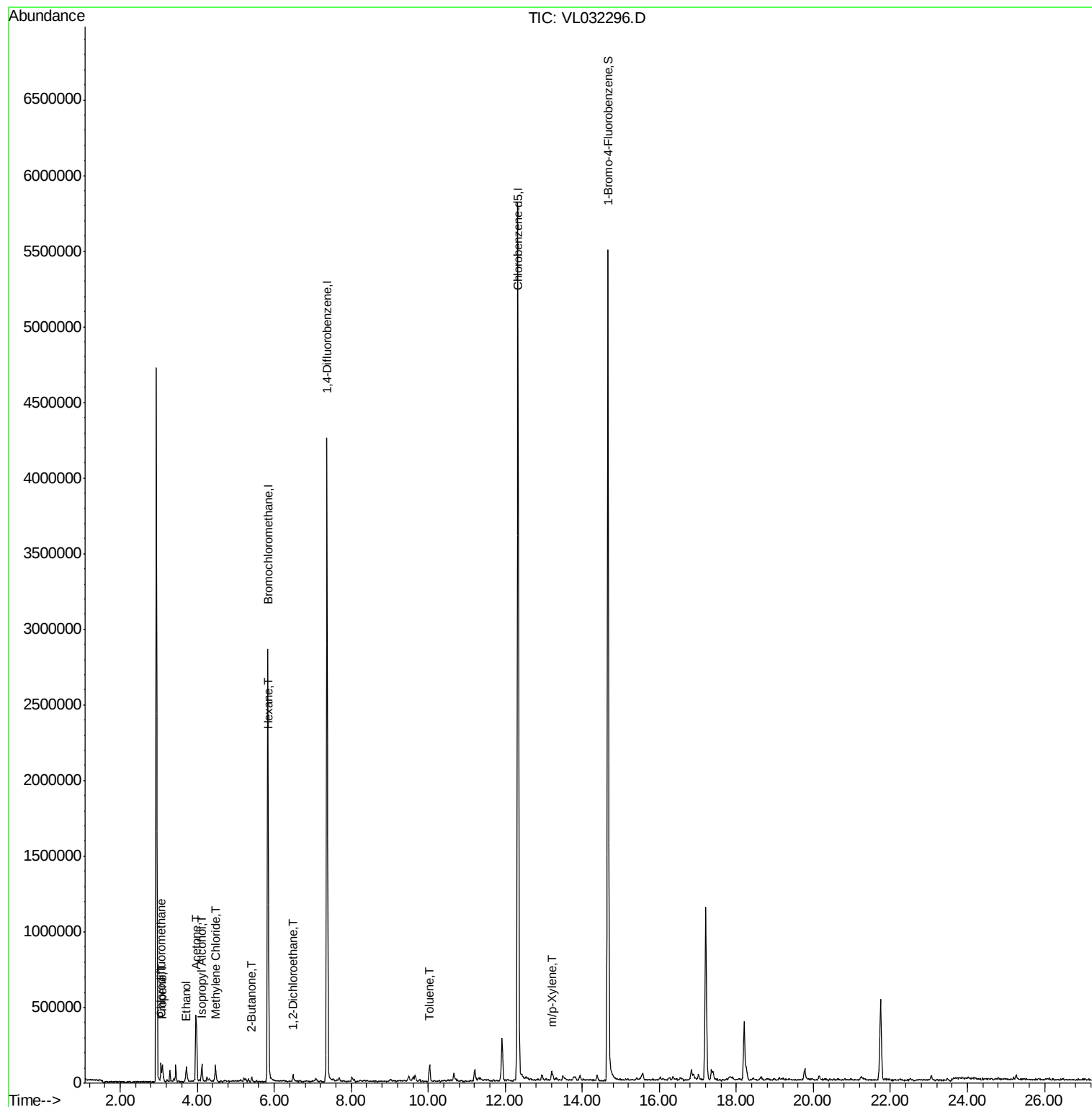
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071918\
Data File : VL032296.D
Acq On : 19 Jul 2018 20:15
Operator : SY/AP
Sample : J4063-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

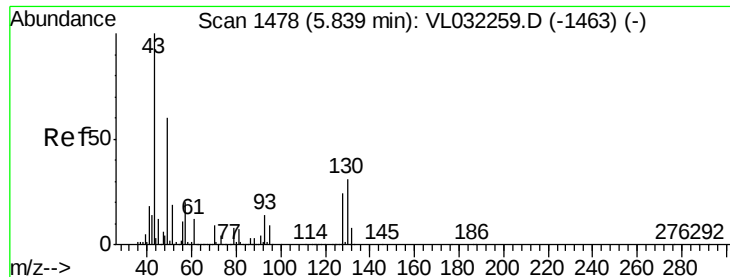
Instrument :
MSVOA_L
ClientSampleId :
BACK-STORAGE-RM-01-0717-01DL

Quant Time: Jul 20 03:04:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

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#1

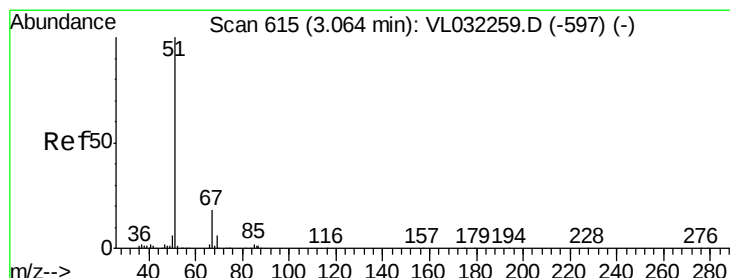
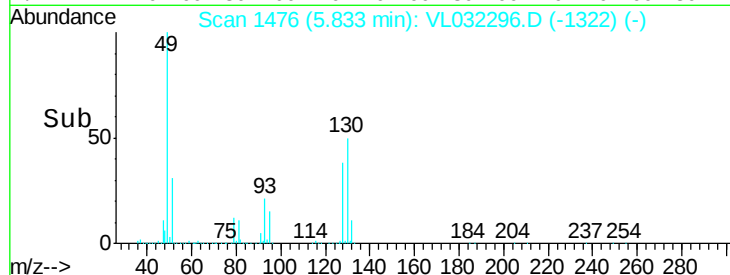
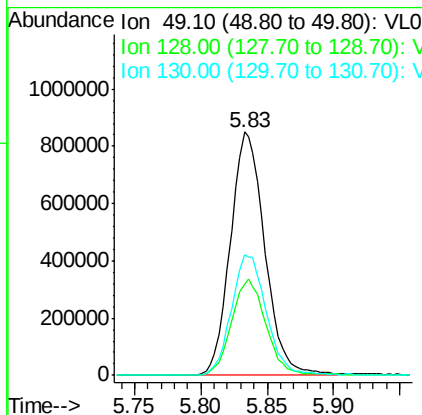
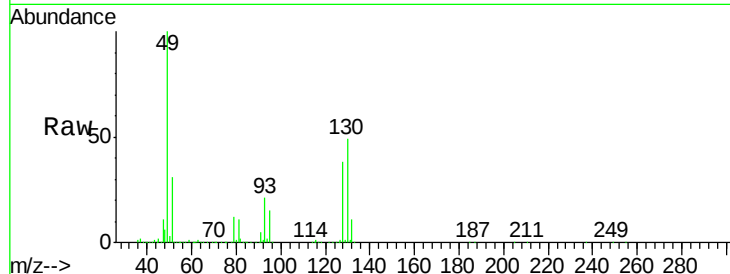
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VL032296.D
 Acq: 19 Jul 2018 20:15

Instrument :
 MSVOA_L
 ClientSampleId :
 BACK-STORAGE-RM-01-0717-01DL

Tot Ion: 49 Resp: 1533205
 Ion Ratio Lower Upper
 49 100
 128 40.0 20.1 60.2
 130 50.7 25.9 77.6

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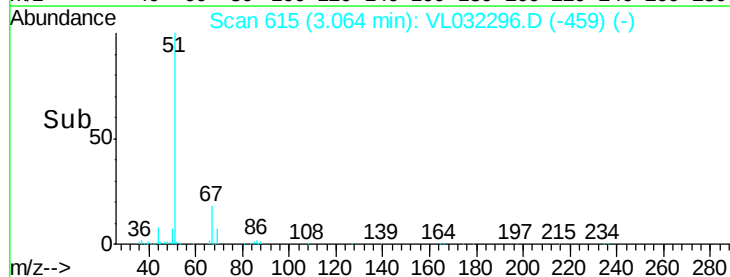
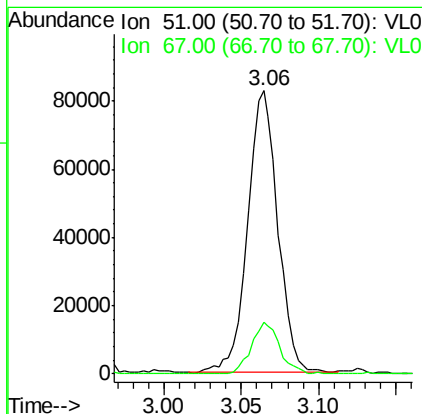
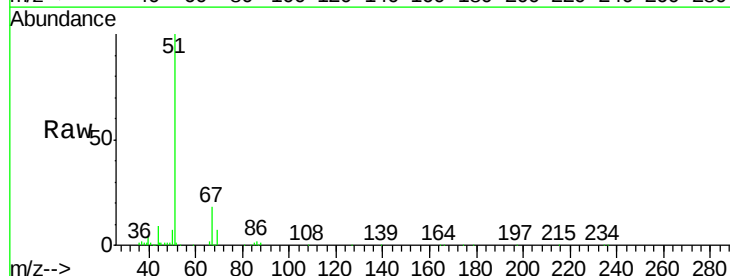
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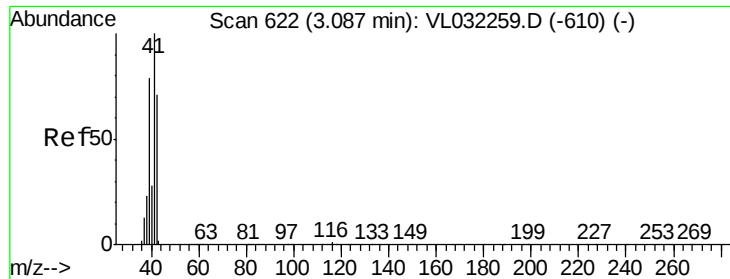


#3

Chlorodifluoromethane
 Concen: 0.66 ppbv
 RT: 3.06 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VL032296.D
 Acq: 19 Jul 2018 20:15

Tgt Ion: 51 Resp: 112703
 Ion Ratio Lower Upper
 51 100
 67 17.2 14.2 21.4





#9

Propene

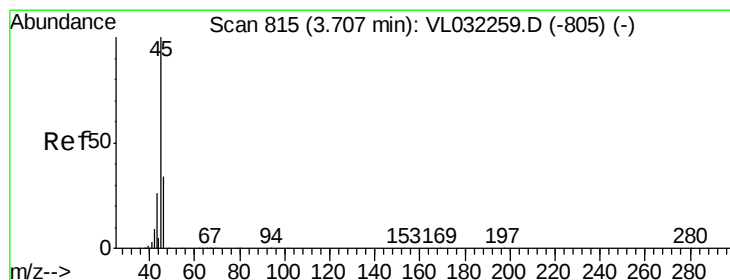
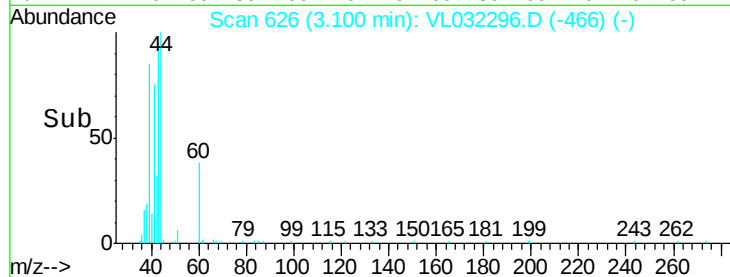
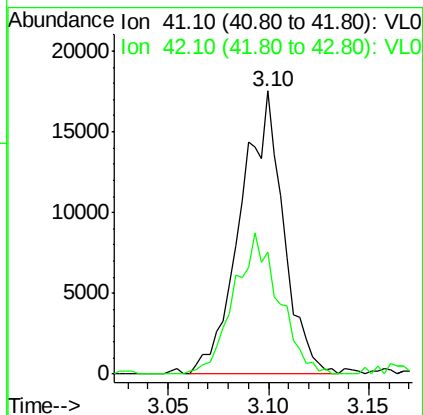
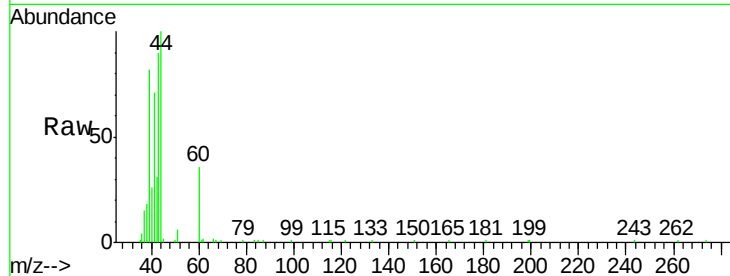
Concen: 0.35 ppbv m
RT: 3.10 min Scan# 626
Delta R.T. 0.01 min
Lab File: VL032296.D
Acq: 19 Jul 2018 20:15

Instrument :
MSVOA_L
ClientSampleId :
BACK-STORAGE-RM-01-0717-01DL

Tot Ion: 41 Resp: 26254
Ion Ratio Lower Upper
41 100
42 52.0 56.2 84.4#

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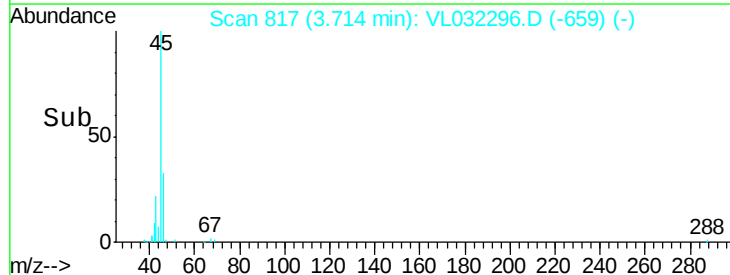
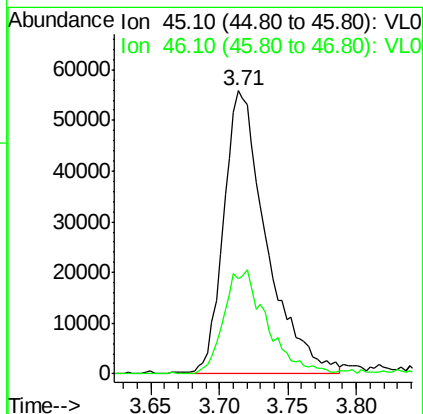
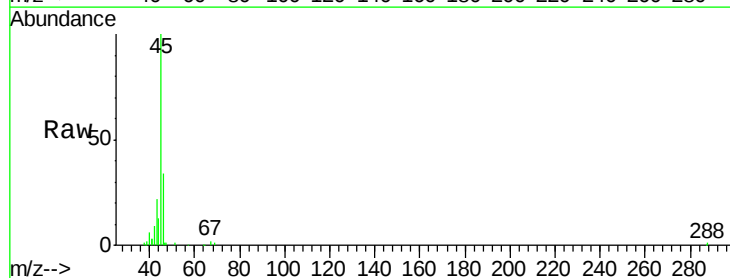


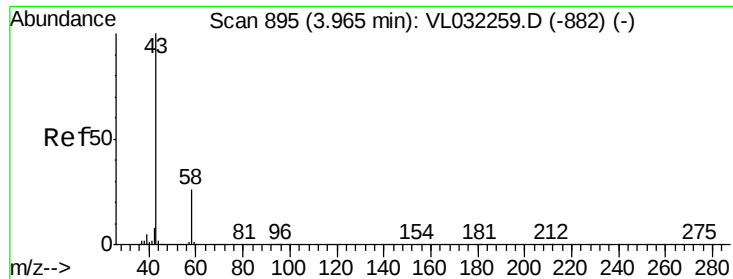
#13

Ethanol

Concen: 5.65 ppbv m
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032296.D
Acq: 19 Jul 2018 20:15

Tgt Ion: 45 Resp: 121363
Ion Ratio Lower Upper
45 100
46 37.5 15.2 60.8





#15

Acetone

Concen: 3.10 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032296.D

Acq: 19 Jul 2018 20:15

Instrument :

MSVOA_L

ClientSampleId :

BACK-STORAGE-RM-01-0717-01DL

Tot Ion: 43 Resp: 497653

Ion Ratio Lower Upper

43 100

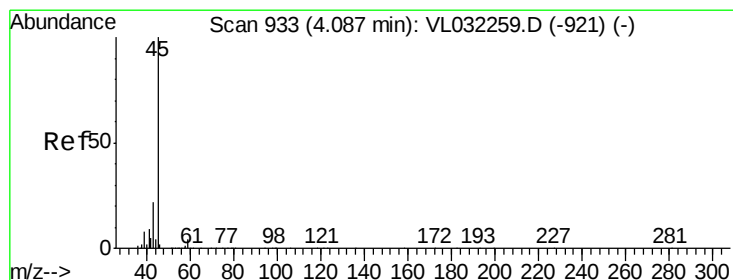
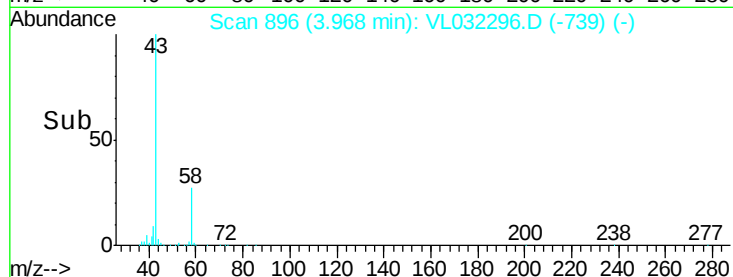
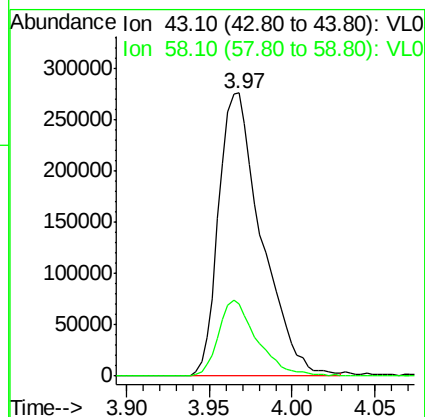
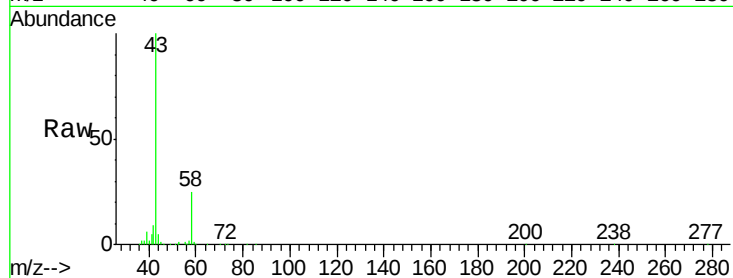
58 24.3 21.8 32.6

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#19

Isopropyl Alcohol

Concen: 0.52 ppbv m

RT: 4.11 min Scan# 941

Delta R.T. 0.03 min

Lab File: VL032296.D

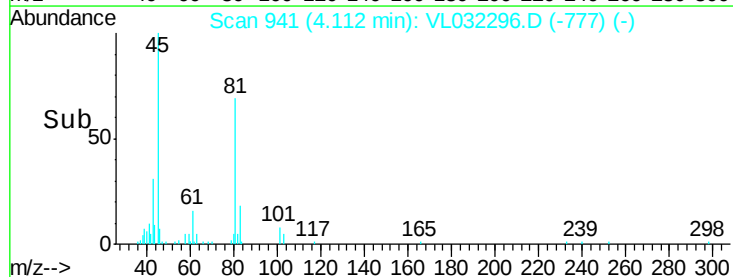
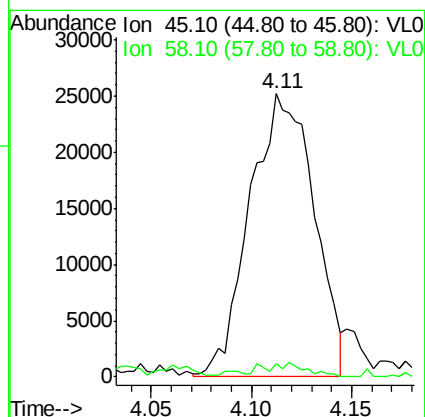
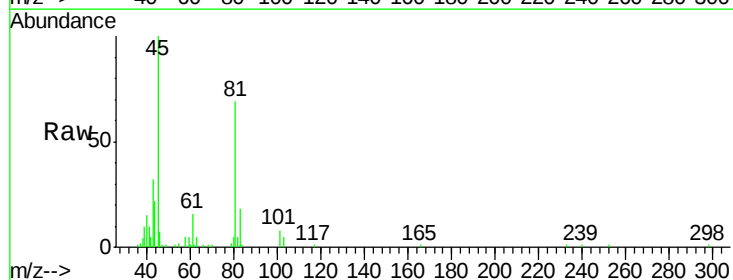
Acq: 19 Jul 2018 20:15

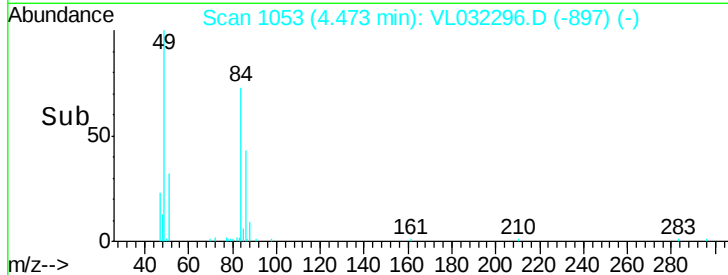
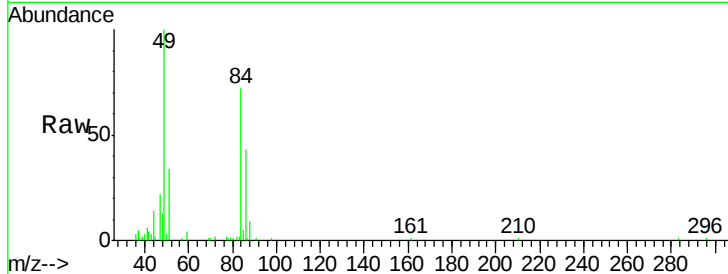
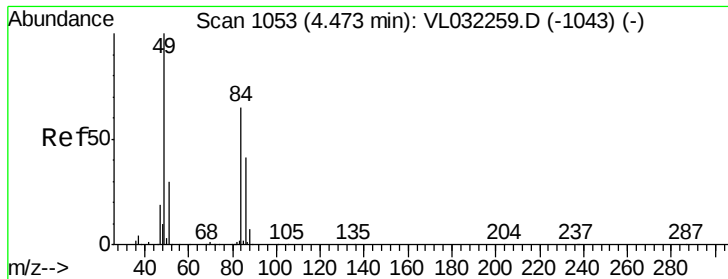
Tgt Ion: 45 Resp: 56503

Ion Ratio Lower Upper

45 100

58 215.7 1.5 2.3#





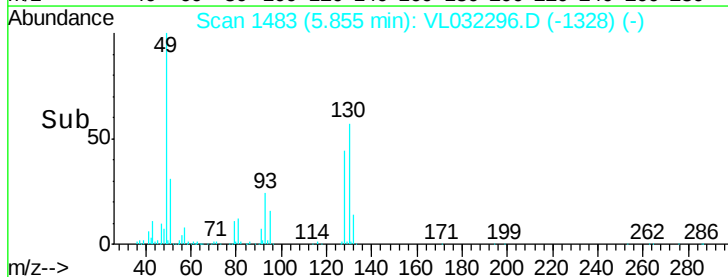
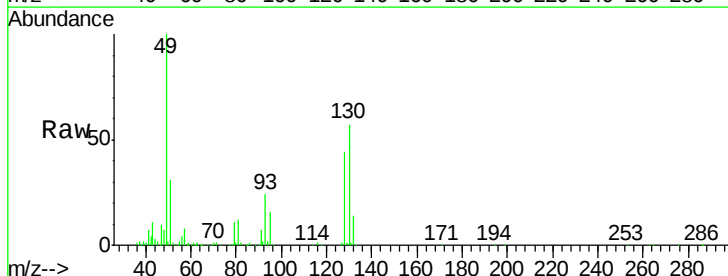
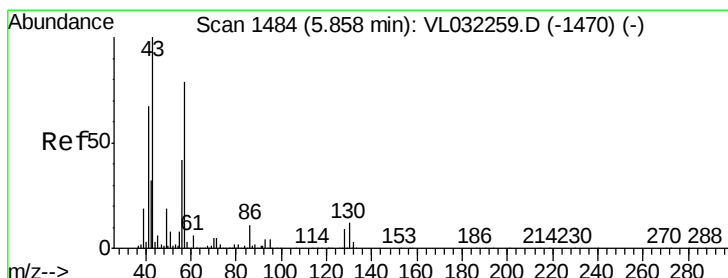
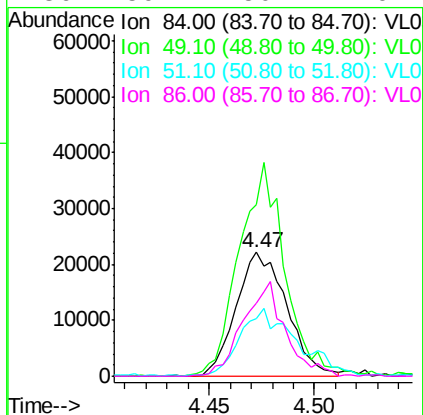
#20
Methvlene Chloride
Concen: 0.60 ppbv
RT: 4.47 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VL032296.D
Acq: 19 Jul 2018 20:15

Tot Ion	84	Resp	37053
Ion	Ratio	Lower	Upper
84	100		
49	137.6	122.4	183.6
51	45.4	36.8	55.2
86	59.2	50.7	76.1

Instrument :
MSVOA_L
ClientSampleId :
BACK-STORAGE-RM-01-0717-01DL

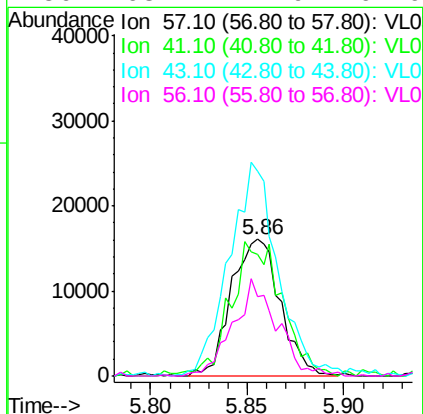
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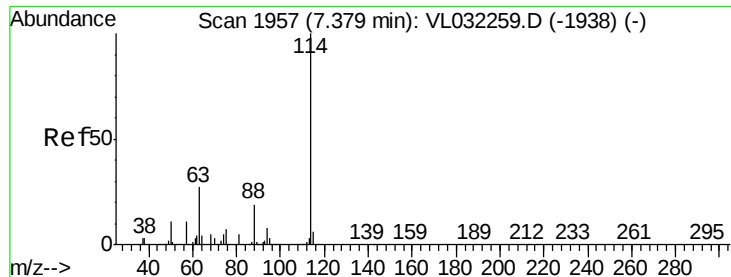
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#26
Hexane
Concen: 0.18 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032296.D
Acq: 19 Jul 2018 20:15

Tgt Ion	57	Resp	28337
Ion	Ratio	Lower	Upper
57	100		
41	105.0	67.9	101.9#
43	159.3	175.9	263.9#
56	63.4	41.9	62.9#





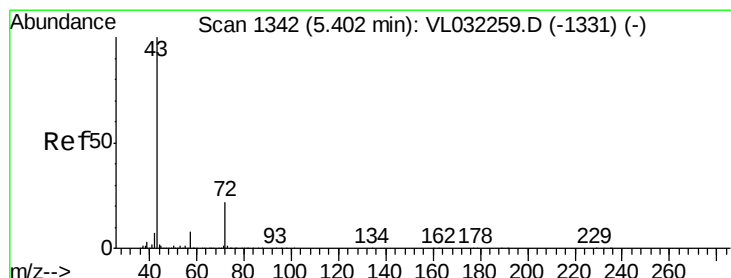
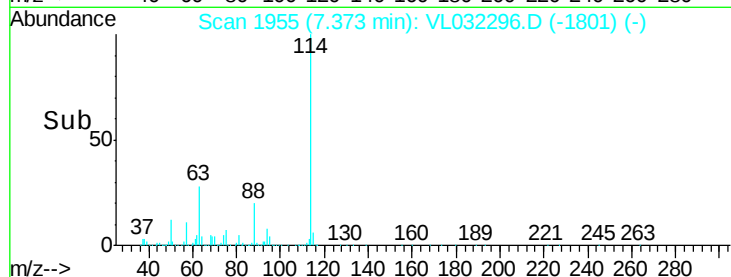
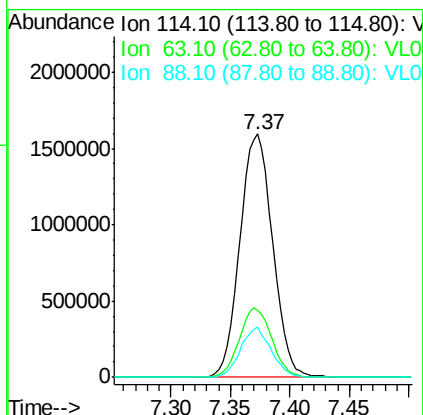
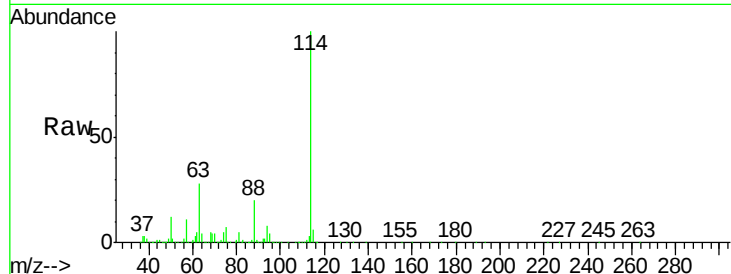
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: VL032296.D
 Acq: 19 Jul 2018 20:15

Instrument :
 MSVOA_L
 ClientSampleId :
 BACK-STORAGE-RM-01-0717-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.6	33.8
88	19.3	15.2	22.8

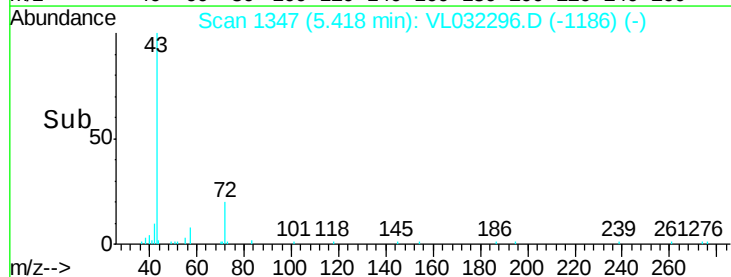
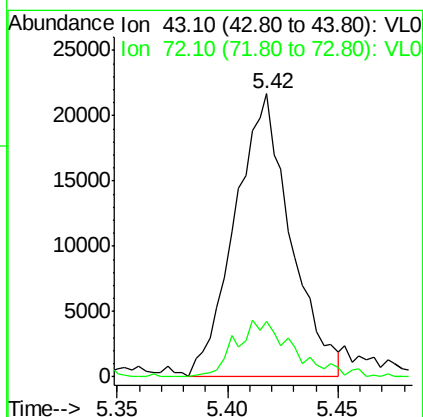
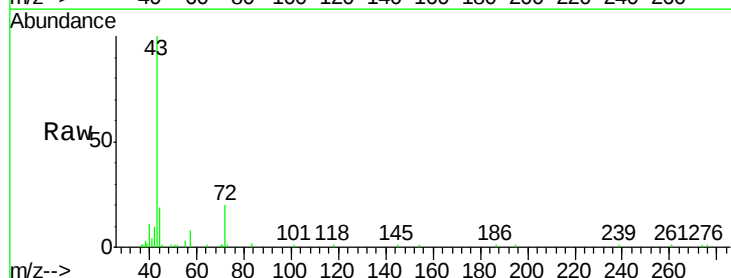
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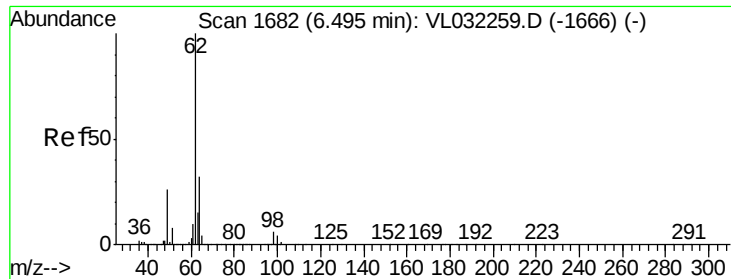
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#34
 2-Butanone
 Concen: 0.18 ppbv
 RT: 5.42 min Scan# 1347
 Delta R.T. 0.02 min
 Lab File: VL032296.D
 Acq: 19 Jul 2018 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.7	26.5





#37

1,2-Dichloroethane

Concen: 0.17 ppbv

RT: 6.49 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VL032296.D

Acq: 19 Jul 2018 20:15

Instrument :

MSVOA_L

ClientSampleId :

BACK-STORAGE-RM-01-0717-01DL

Tot Ion: 62 Resp: 29314

Ion Ratio Lower Upper

62 100

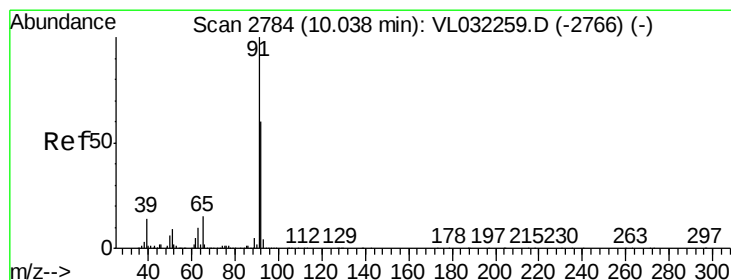
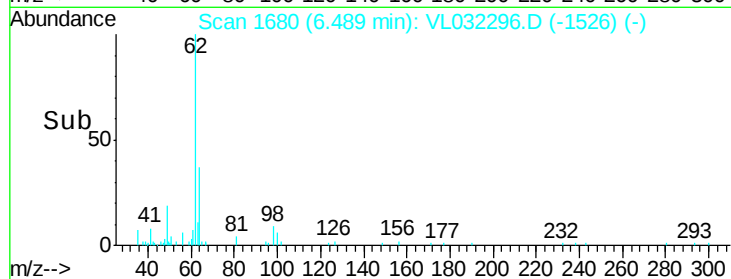
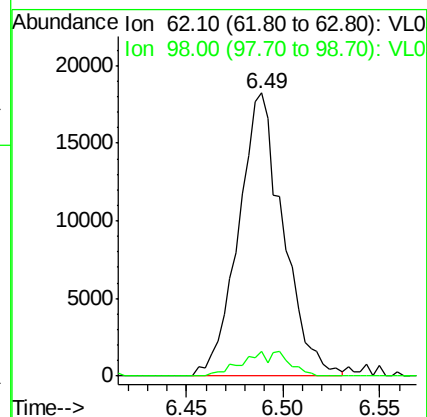
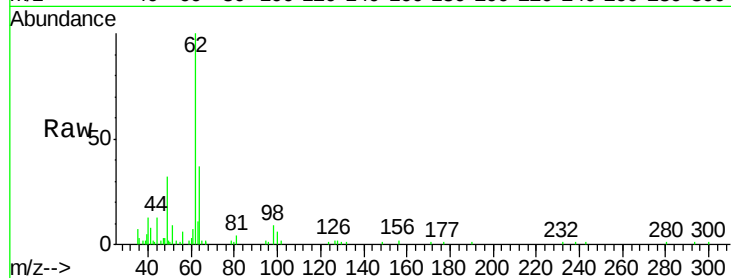
98 9.1 4.9 7.3#

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#53

Toluene

Concen: 0.23 ppbv m

RT: 10.03 min Scan# 2782

Delta R.T. -0.01 min

Lab File: VL032296.D

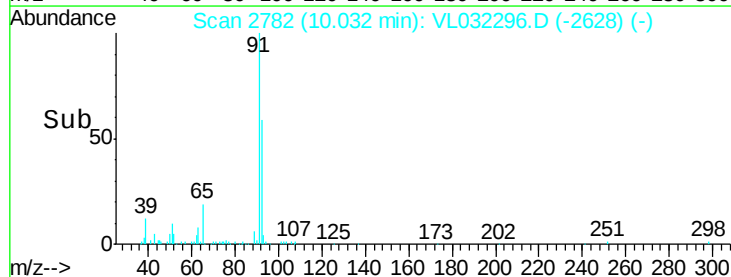
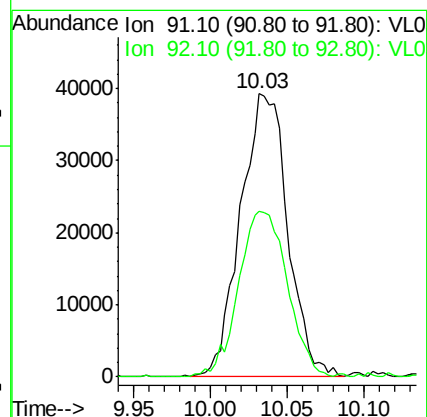
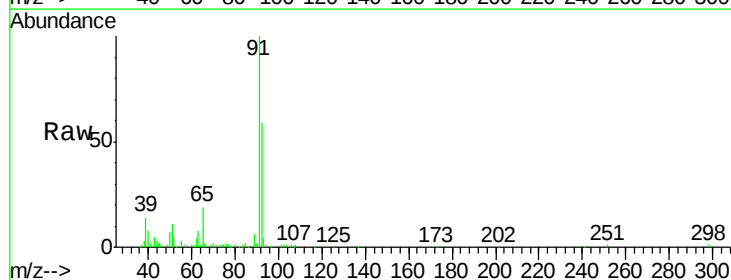
Acq: 19 Jul 2018 20:15

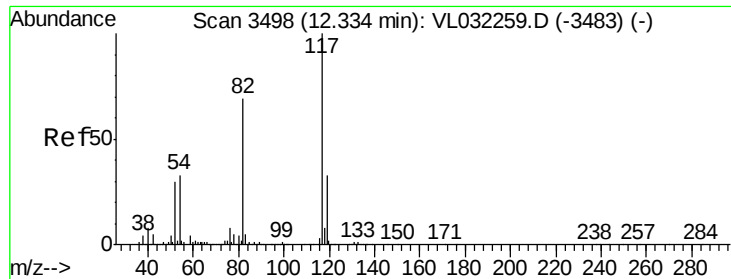
Tgt Ion: 91 Resp: 83654

Ion Ratio Lower Upper

91 100

92 60.9 48.6 72.8





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.33 min Scan# 3496

Delta R.T. -0.01 min

Lab File: VL032296.D

Acq: 19 Jul 2018 20:15

Instrument :

MSVOA_L

ClientSampleId :

BACK-STORAGE-RM-01-0717-01DL

Tot Ion:117 Resp: 3658380

Ion Ratio Lower Upper

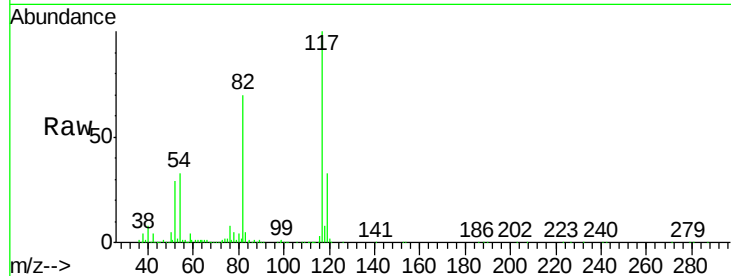
117 100

82 70.1 53.9 80.9

119 32.9 25.5 38.3

Manual Integrations
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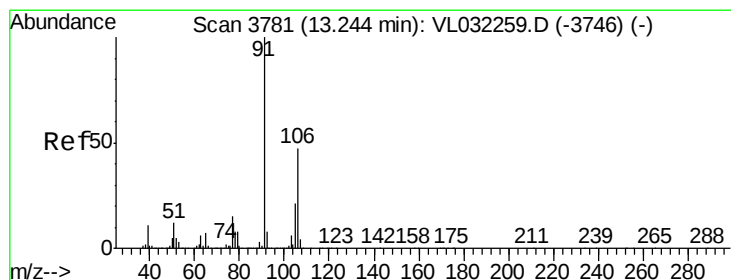
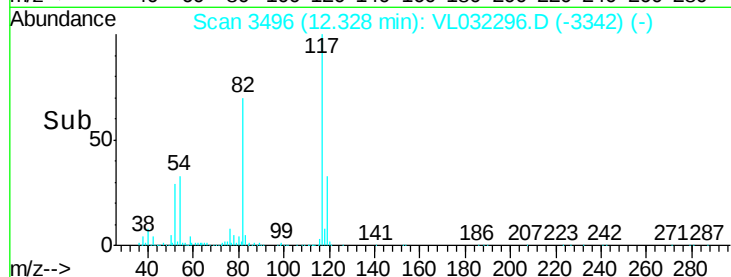
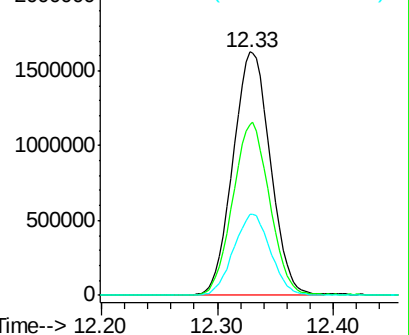
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#59

m/p-Xylene

Concen: 0.13 ppbv m

RT: 13.22 min Scan# 3773

Delta R.T. -0.03 min

Lab File: VL032296.D

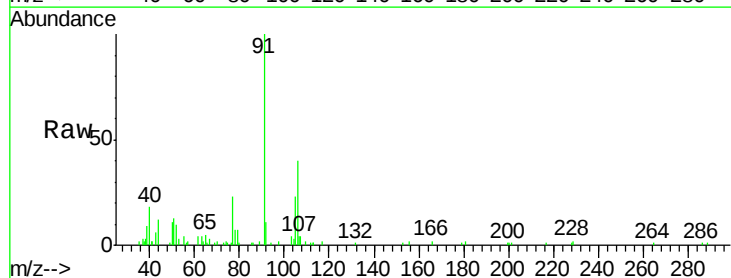
Acq: 19 Jul 2018 20:15

Tgt Ion: 91 Resp: 57551

Ion Ratio Lower Upper

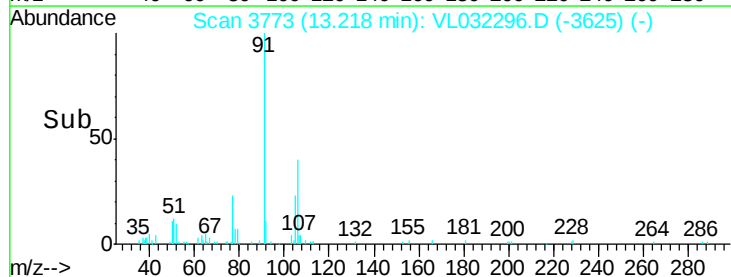
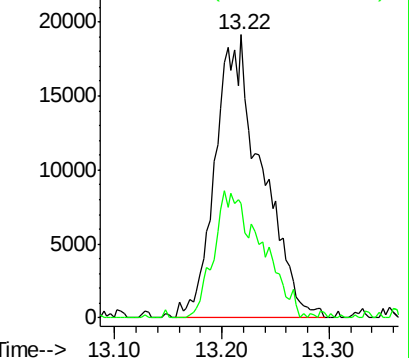
91 100

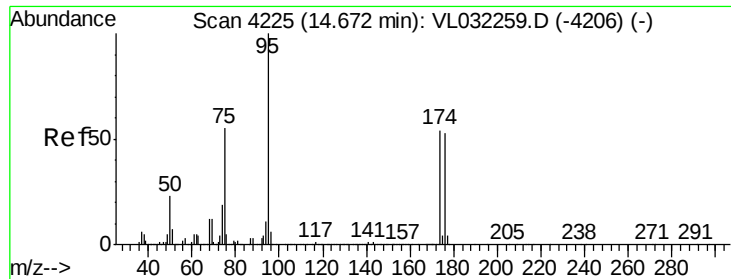
106 0.0 36.2 54.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.78 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: VL032296.D
 Acq: 19 Jul 2018 20:15

Instrument :
 MSVOA_L
 ClientSampleId :
 BACK-STORAGE-RM-01-0717-01DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	56.1	44.3	66.5
175	4.0	3.3	4.9

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:18 PM

