

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032321.D
 Acq On : 27 Jul 2018 16:19
 Operator : SY/AP
 Sample : J4131-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
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 7/30/2018 11:43:09 AM

Quant Time: Jul 28 00:29:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1965678	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3796406	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4637905	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3735145	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.06	51	815473m	4.15	ppbv	
9) Propene	3.09	41	33952m	0.38	ppbv	
13) Ethanol	3.71	45	51927	2.04	ppbv	99
15) Acetone	3.96	43	333823	1.80	ppbv #	86
20) Methylene Chloride	4.47	84	297600	4.00	ppbv	97
26) Hexane	5.85	57	254527	1.35	ppbv #	45
30) Cyclohexane	7.35	84	18647m	0.13	ppbv	
34) 2-Butanone	5.40	43	89280	0.36	ppbv	98
53) Toluene	10.03	91	69670	0.17	ppbv	98
59) m/p-Xylene	13.21	91	61768m	0.12	ppbv	

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

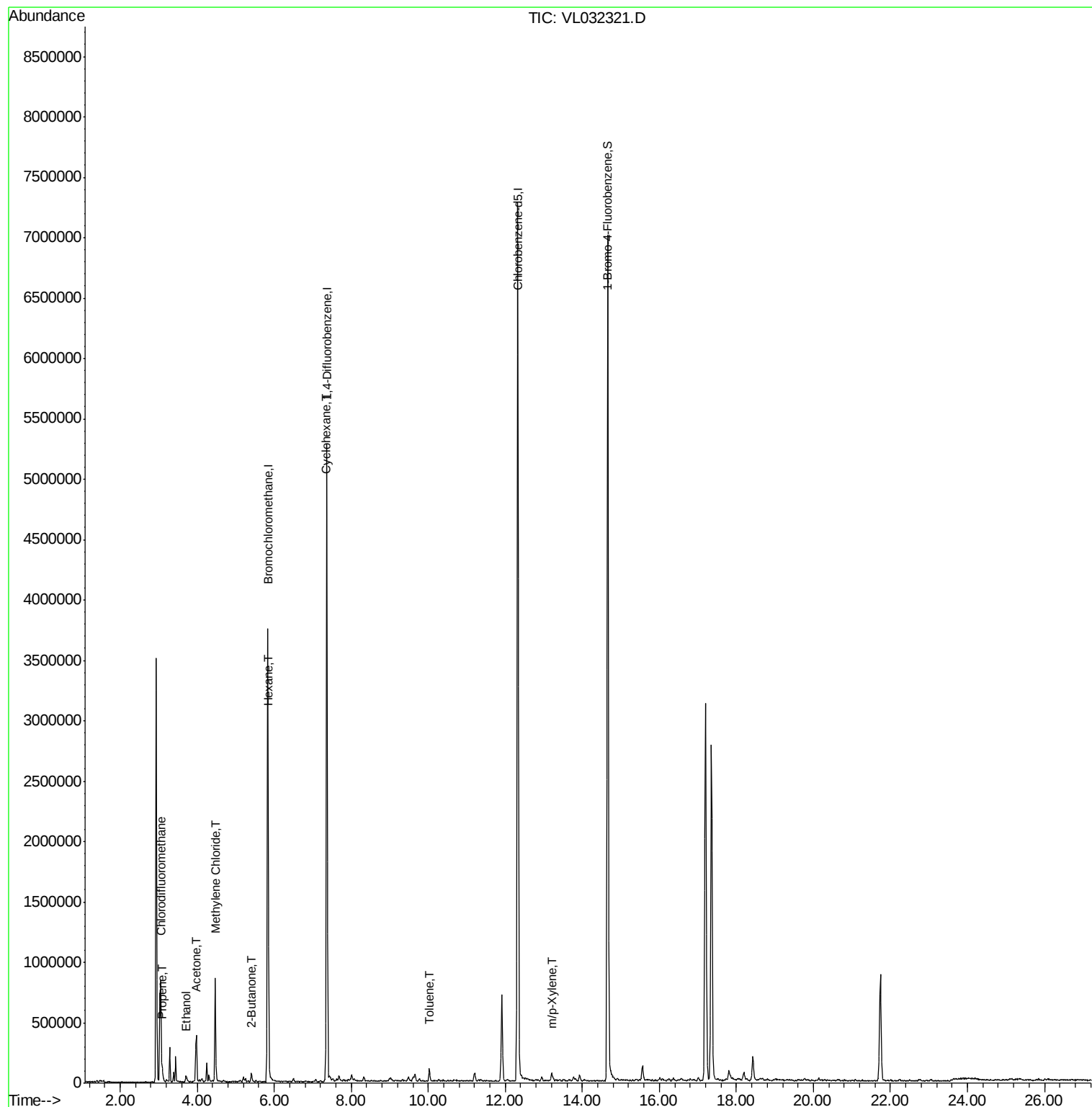
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072718\
Data File : VL032321.D
Acq On : 27 Jul 2018 16:19
Operator : SY/AP
Sample : J4131-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

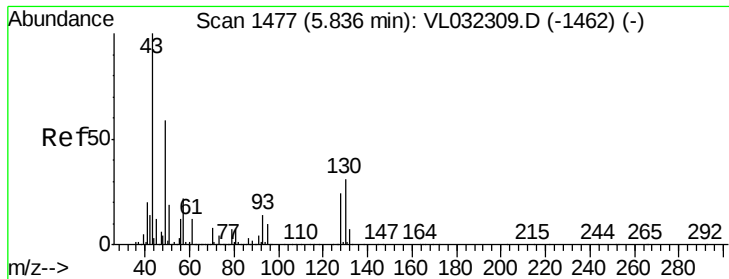
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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Quant Time: Jul 28 00:29:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

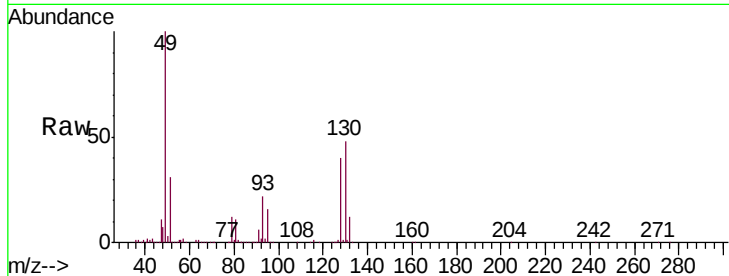
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

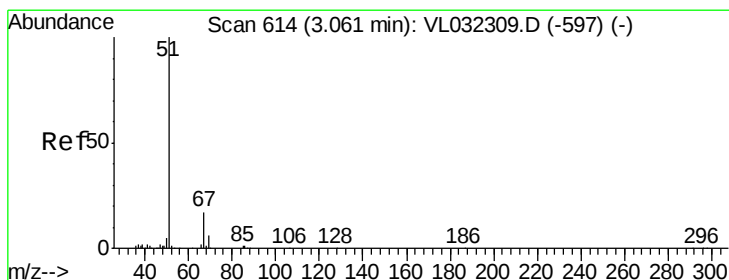
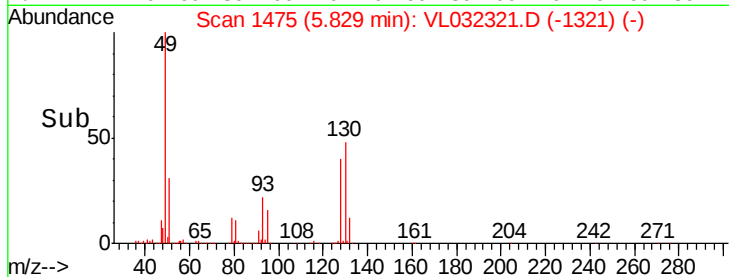
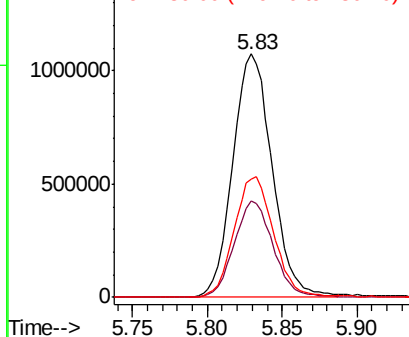
Tot Ion	Ratio	Lower	Upper
49	100		
128	39.6	20.2	60.6
130	50.2	25.8	77.3

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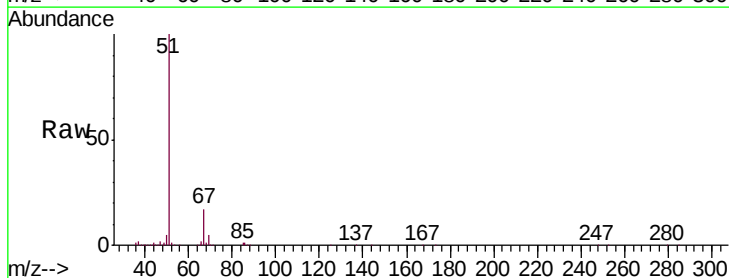
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



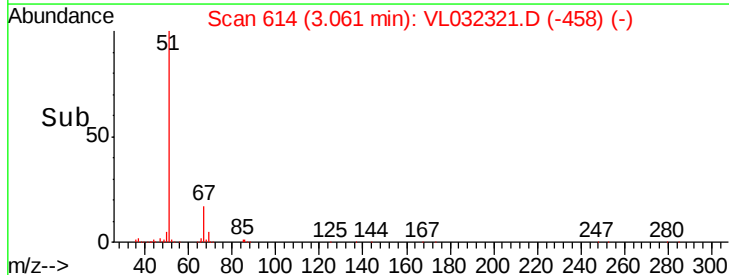
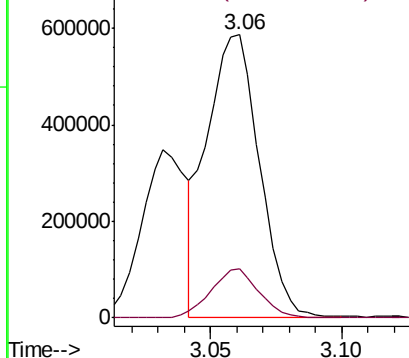
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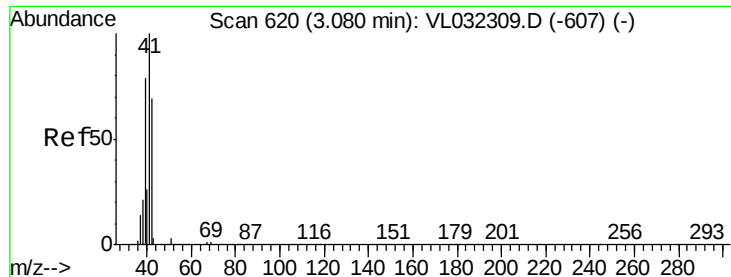
Chlorodifluoromethane
 Concen: 4.15 ppbv m
 RT: 3.06 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
51	100		
67	16.0	13.5	20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
 Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

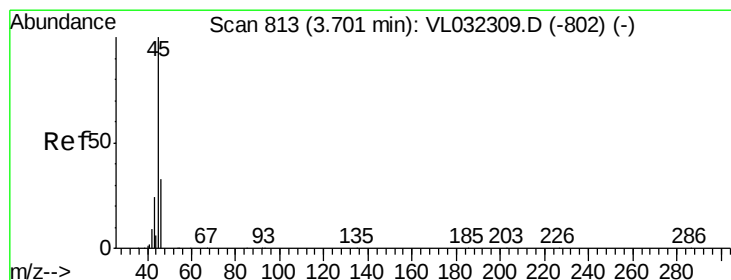
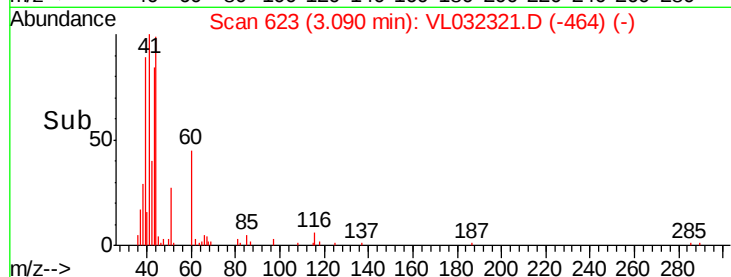
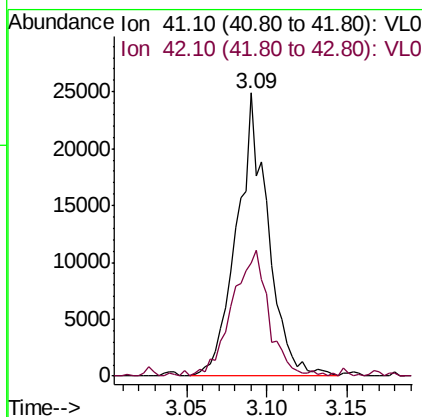
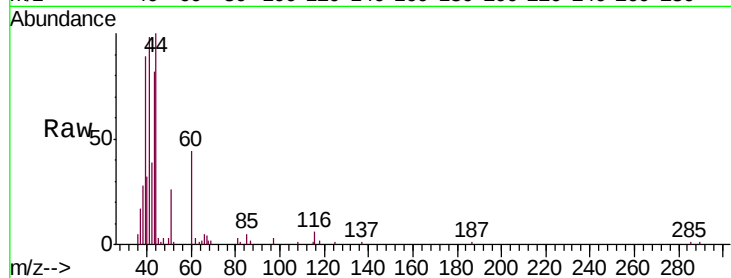
Concen: 0.38 ppbv m
 RT: 3.09 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-2DL

Tot Ion: 41 Resp: 33952
 Ion Ratio Lower Upper
 41 100
 42 155.5 56.8 85.2#

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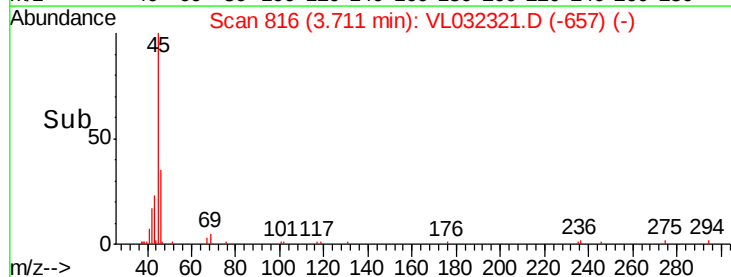
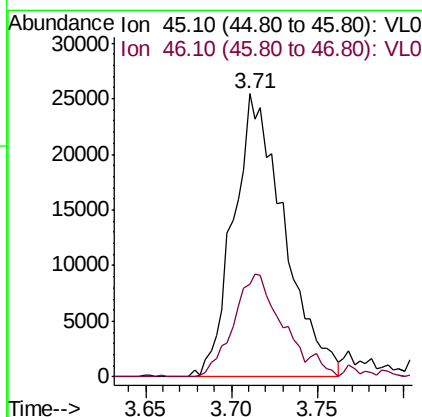
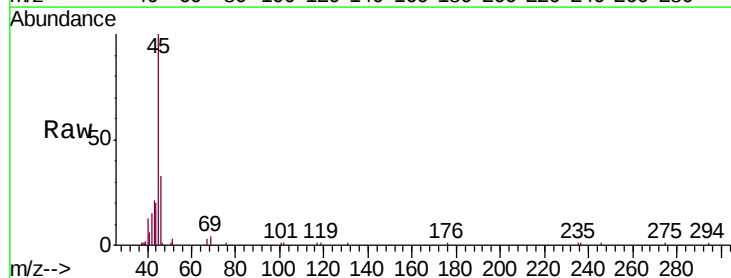


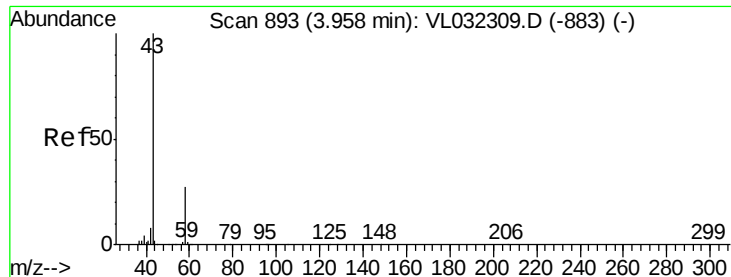
#13

Ethanol

Concen: 2.04 ppbv
 RT: 3.71 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Tgt Ion: 45 Resp: 51927
 Ion Ratio Lower Upper
 45 100
 46 37.4 15.2 60.6





#15

Acetone

Concen: 1.80 ppbv

RT: 3.96 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL032321.D

Acq: 27 Jul 2018 16:19

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 43 Resp: 333823

Ion Ratio Lower Upper

43 100

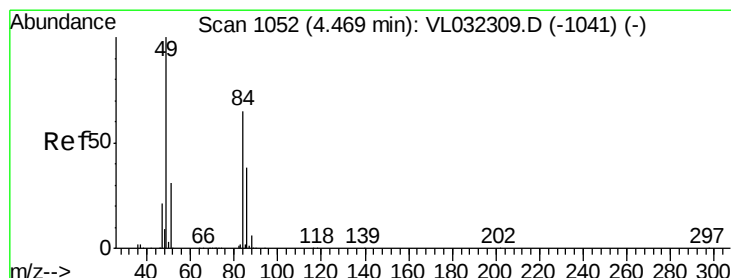
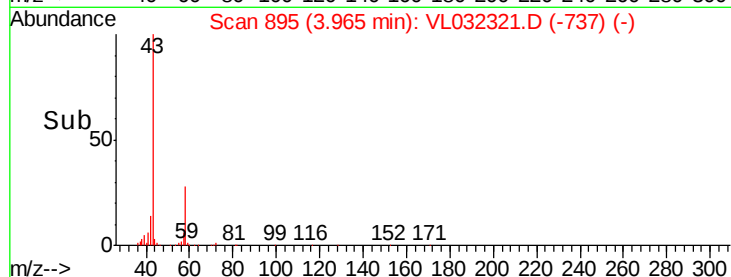
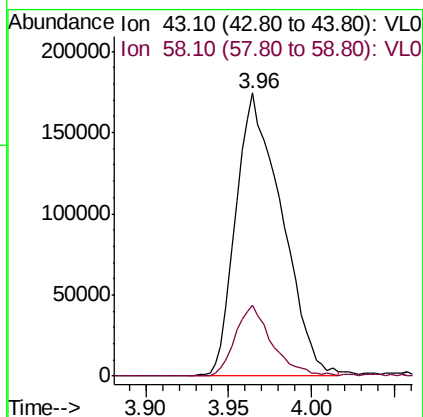
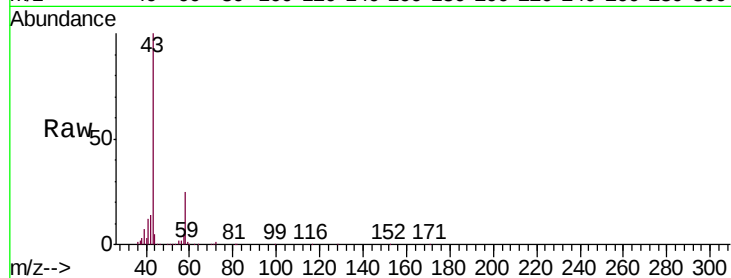
58 20.8 22.5 33.7#

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#20

Methylene Chloride

Concen: 4.00 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL032321.D

Acq: 27 Jul 2018 16:19

Tgt Ion: 84 Resp: 297600

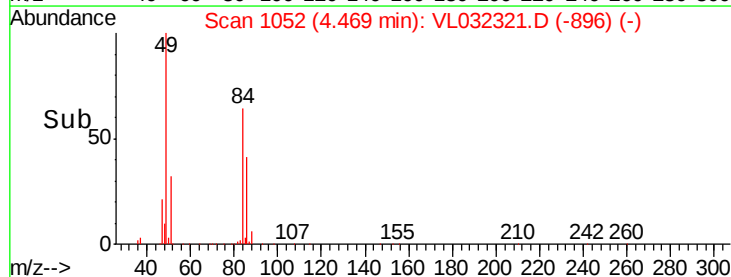
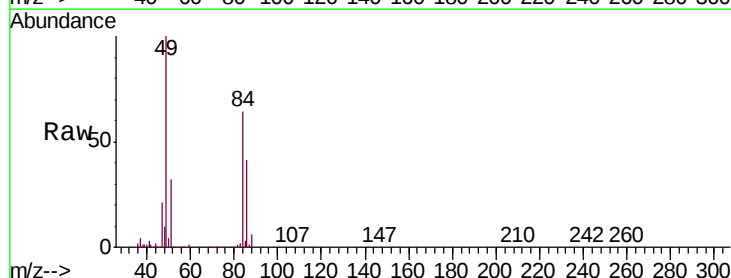
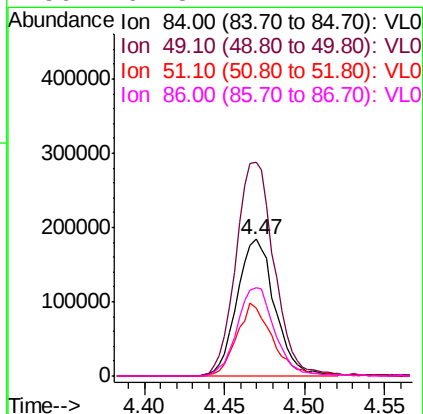
Ion Ratio Lower Upper

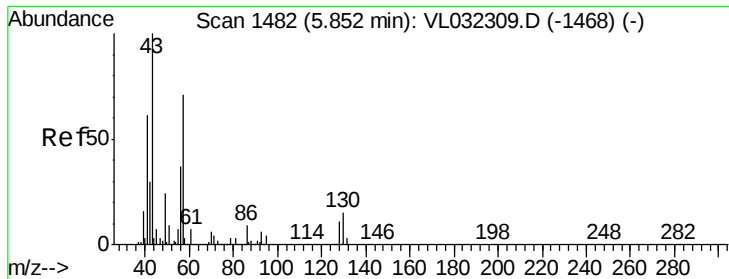
84 100

49 156.4 123.4 185.0

51 50.0 38.2 57.2

86 64.8 47.4 71.2





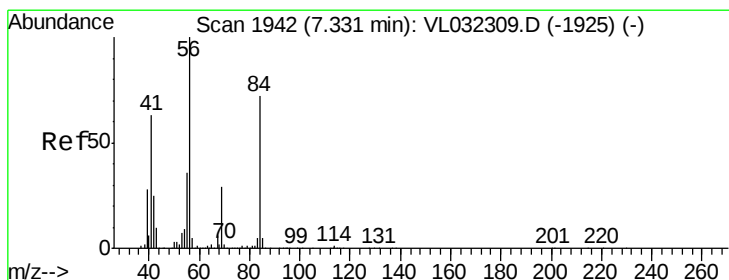
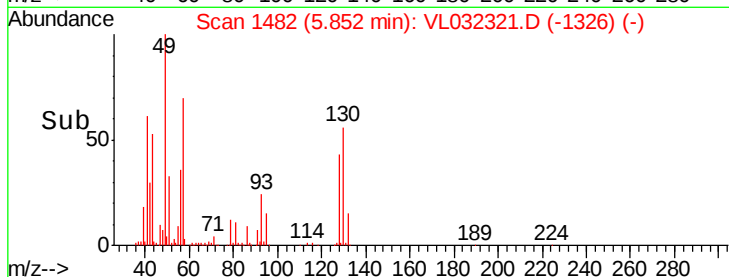
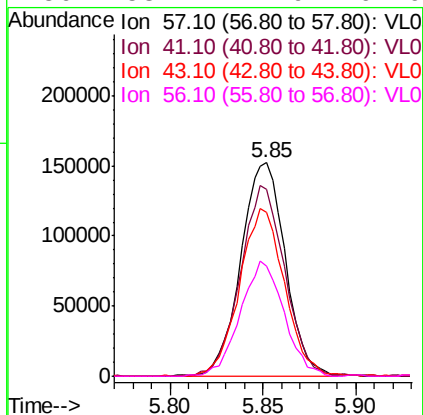
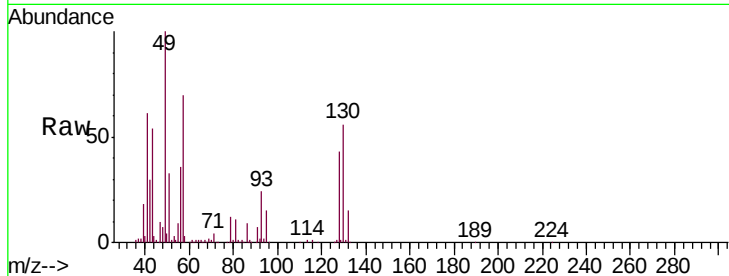
#26
Hexane
Concen: 1.35 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032321.D
Acq: 27 Jul 2018 16:19

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.2	68.1	102.1
43	80.0	177.4	266.2#
56	53.4	41.9	62.9

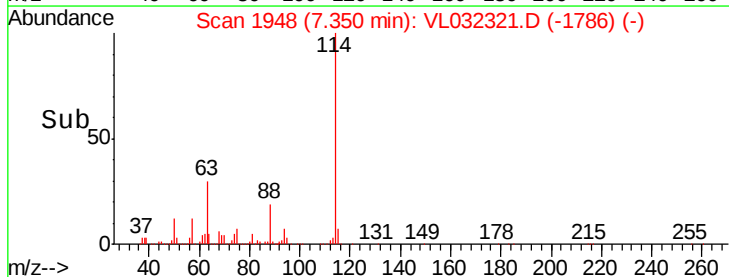
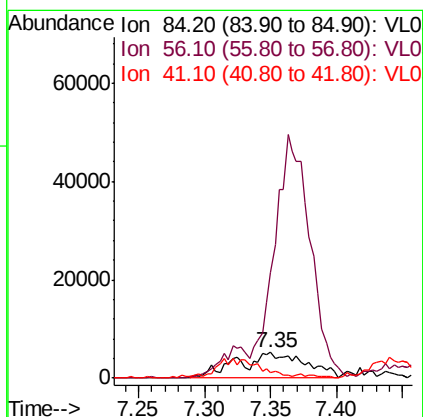
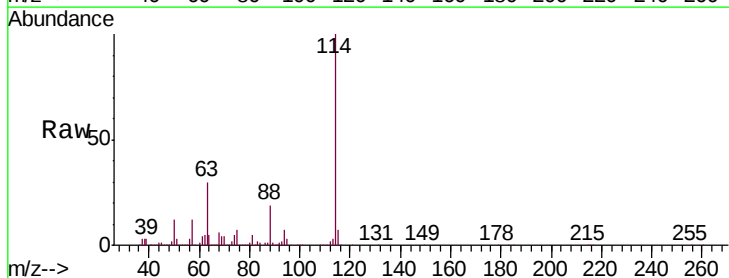
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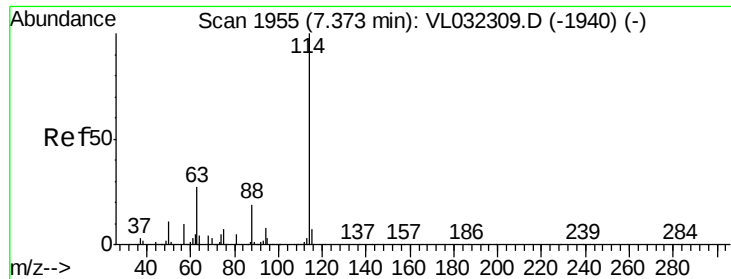
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#30
Cyclohexane
Concen: 0.13 ppbv m
RT: 7.35 min Scan# 1948
Delta R.T. 0.02 min
Lab File: VL032321.D
Acq: 27 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.8	175.2#
41	0.0	70.0	105.0#





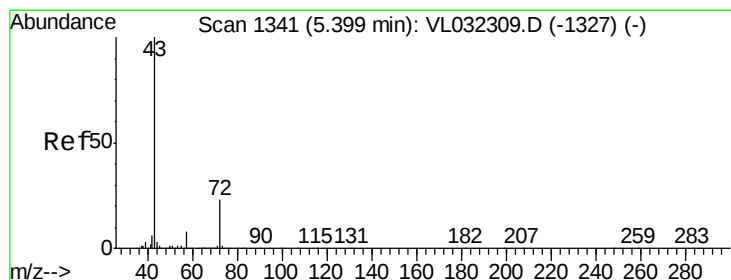
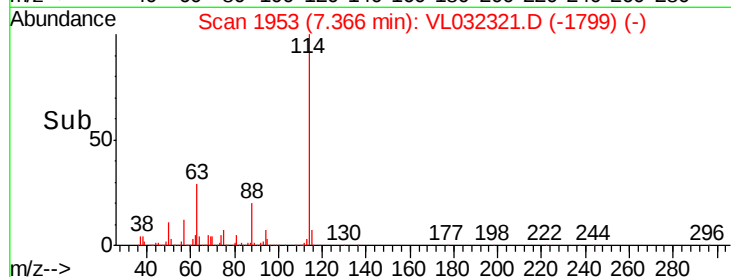
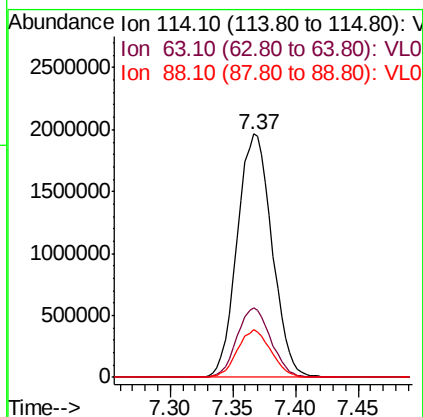
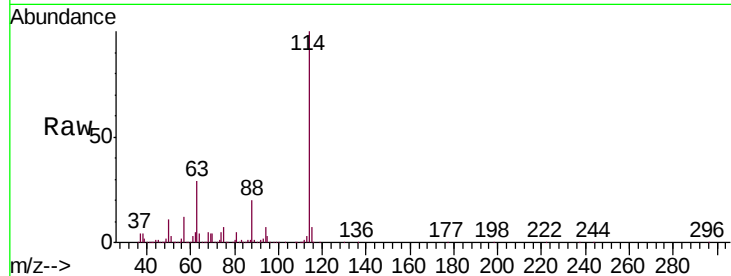
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	18.9	15.3	22.9

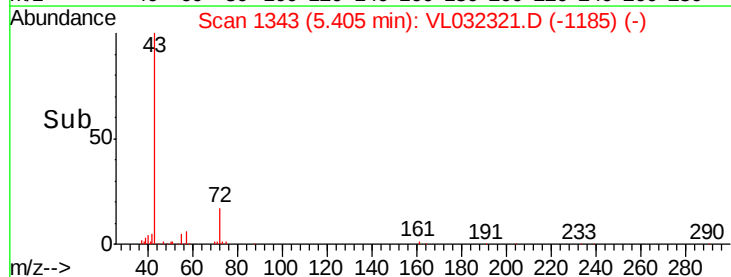
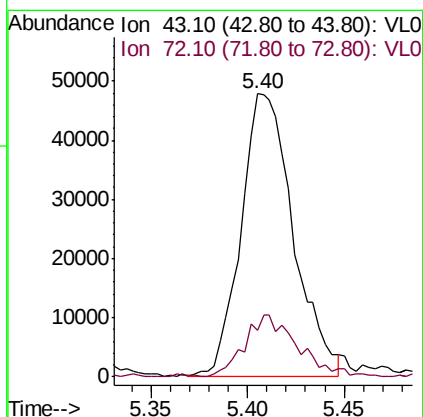
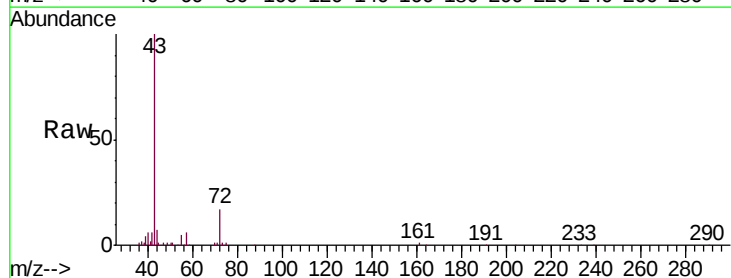
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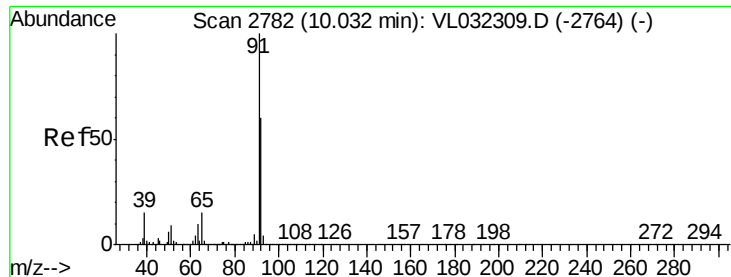
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#34
 2-Butanone
 Concen: 0.36 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: VL032321.D
 Acq: 27 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.2





#53

Toluene

Concen: 0.17 ppbv

RT: 10.03 min Scan# 2780

Delta R.T. -0.01 min

Lab File: VL032321.D

Acq: 27 Jul 2018 16:19

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 91 Resp: 69670

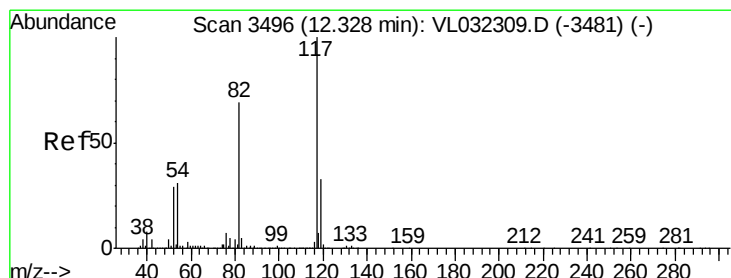
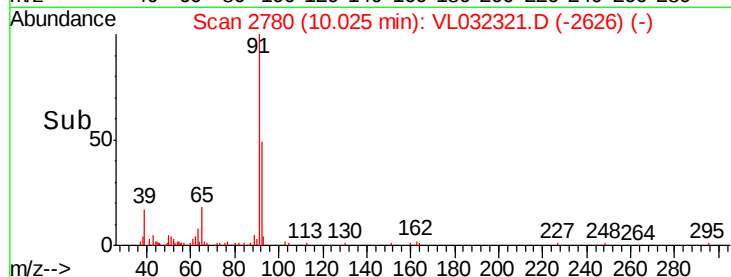
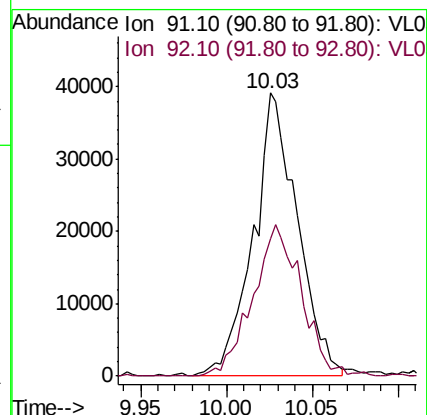
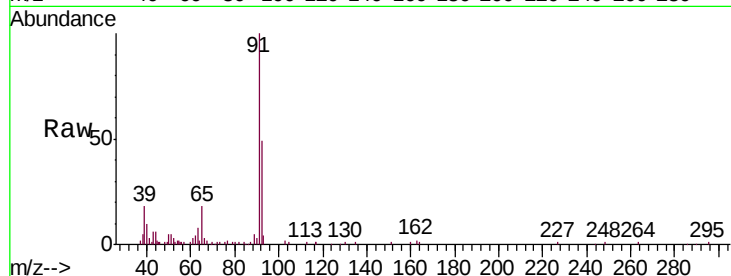
Ion Ratio Lower Upper

91 100

92 59.1 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.32 min Scan# 3495

Delta R.T. -0.00 min

Lab File: VL032321.D

Acq: 27 Jul 2018 16:19

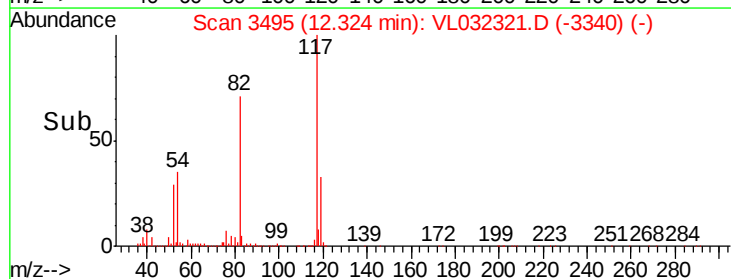
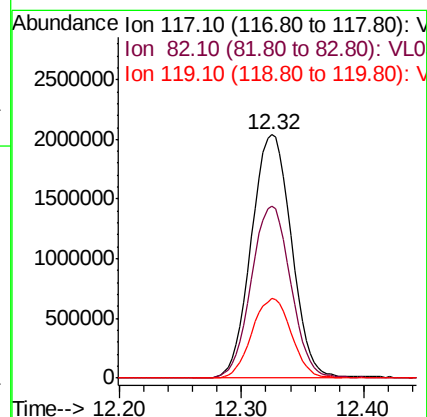
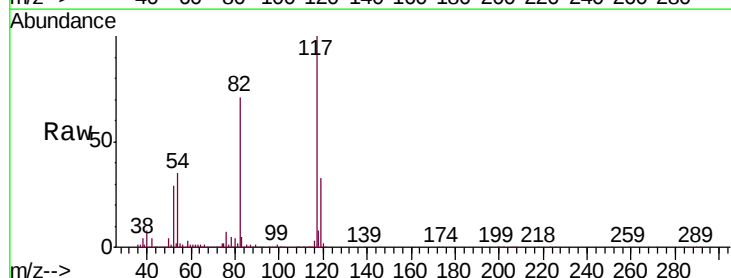
Tgt Ion: 117 Resp: 4637905

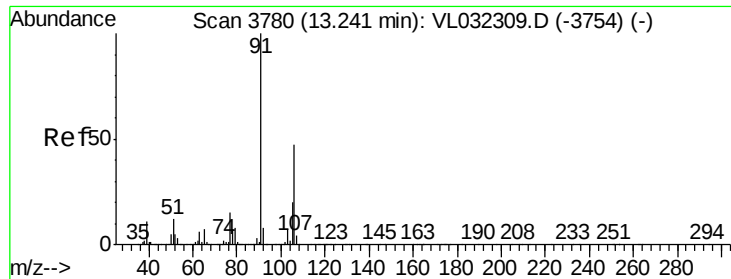
Ion Ratio Lower Upper

117 100

82 70.1 52.6 78.8

119 32.6 25.7 38.5





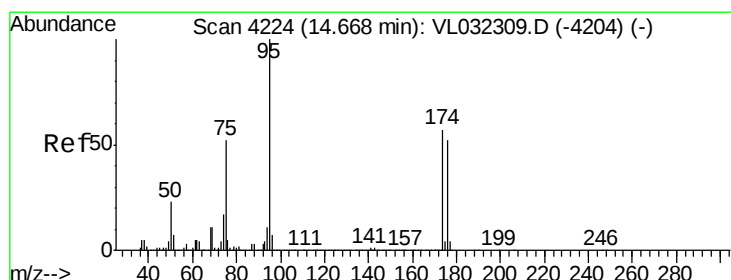
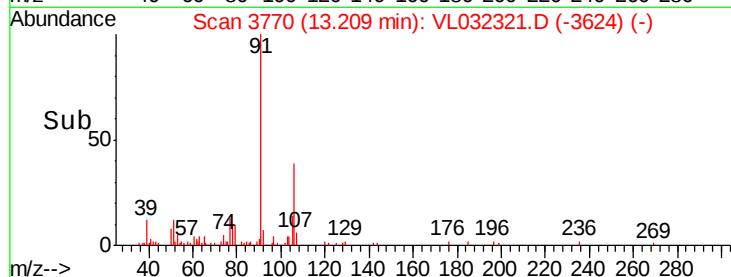
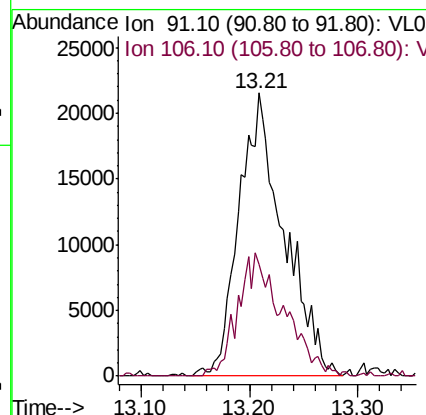
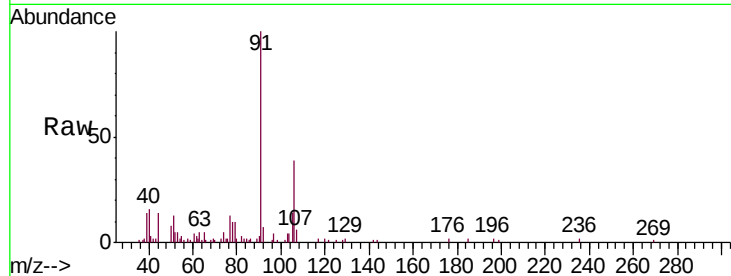
#59
m/p-Xylene
Concen: 0.12 ppbv m
RT: 13.21 min Scan# 3770
Delta R.T. -0.03 min
Lab File: VL032321.D
Acq: 27 Jul 2018 16:19

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion: 91 Resp: 61768
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.38 ppbv
RT: 14.66 min Scan# 4221
Delta R.T. -0.01 min
Lab File: VL032321.D
Acq: 27 Jul 2018 16:19

Tgt Ion: 95 Resp: 3735145
Ion Ratio Lower Upper
95 100
174 55.5 45.5 68.3
175 4.1 3.3 4.9

