

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032386.D
 Acq On : 16 Aug 2018 21:03
 Operator : SY/AP
 Sample : J4457-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS02-MIVIDL

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Quant Time: Aug 20 09:40:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1767422	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3435267	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3340801	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2606164	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.09	41	54026m	0.77	ppbv	
13) Ethanol	3.70	45	63138	3.51	ppbv	97
15) Acetone	3.94	43	1159490	6.90	ppbv	95
26) Hexane	5.83	57	63842	0.40	ppbv #	46
29) Chloroform	5.90	83	182021	0.77	ppbv	99
34) 2-Butanone	5.40	43	71939	0.31	ppbv	100
35) Carbon Tetrachloride	7.19	117	27972m	0.14	ppbv	
52) Tetrachloroethene	11.44	164	573418	6.68	ppbv	95
53) Toluene	10.01	91	200221	0.63	ppbv	100
74) 1,2,4-Trimethylbenzene	16.99	105	44068m	0.12	ppbv	

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

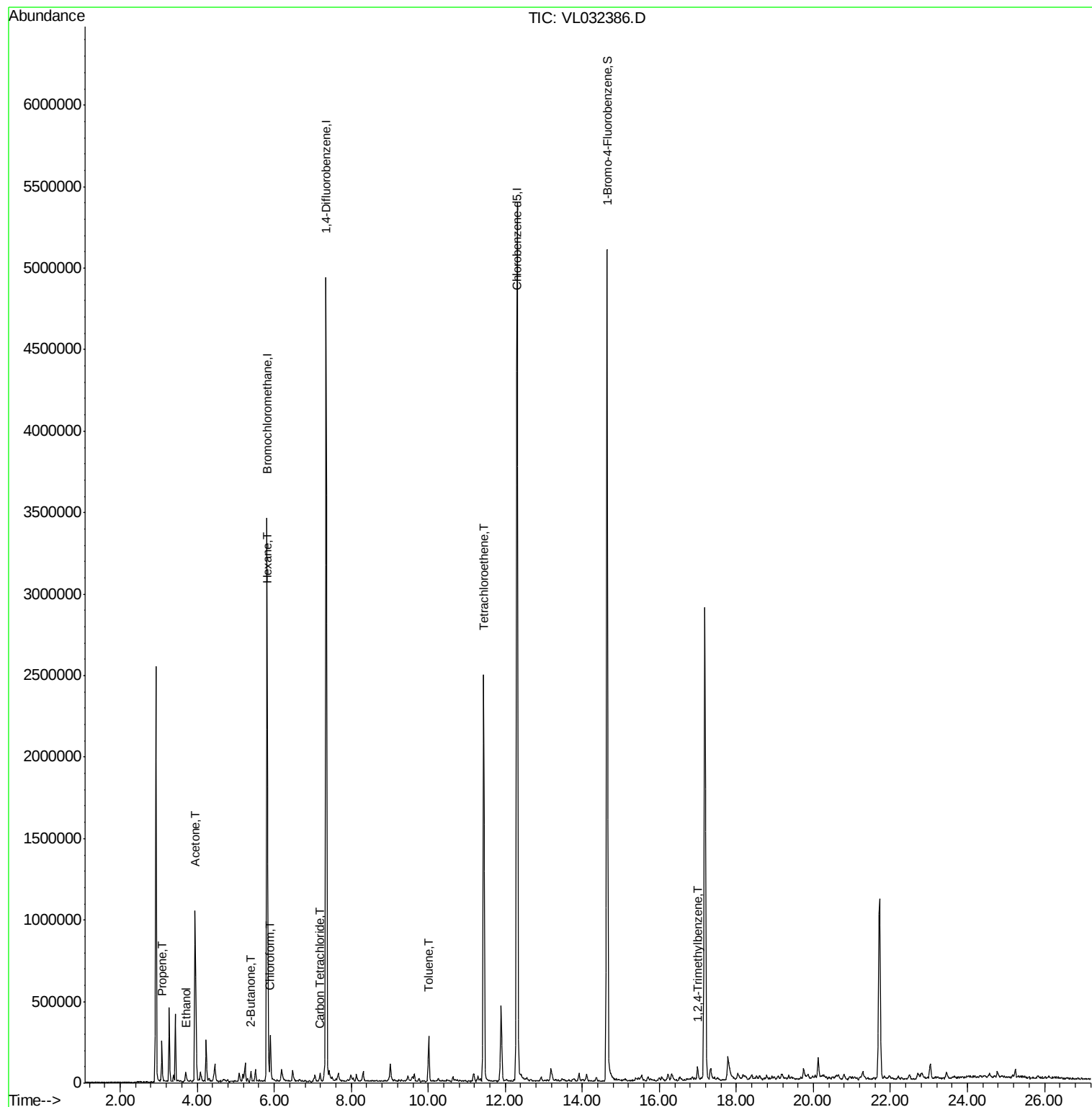
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081618\
Data File : VL032386.D
Acq On : 16 Aug 2018 21:03
Operator : SY/AP
Sample : J4457-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

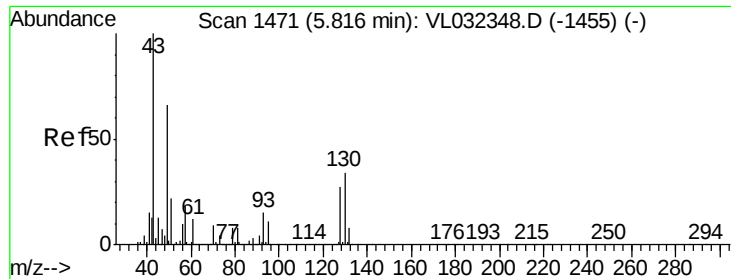
Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

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Quant Time: Aug 20 09:40:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032386.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_L

ClientSampleId :

SS02-MIVIDL

Tot Ion: 49 Resp: 1767422

Ion Ratio Lower Upper

49 100

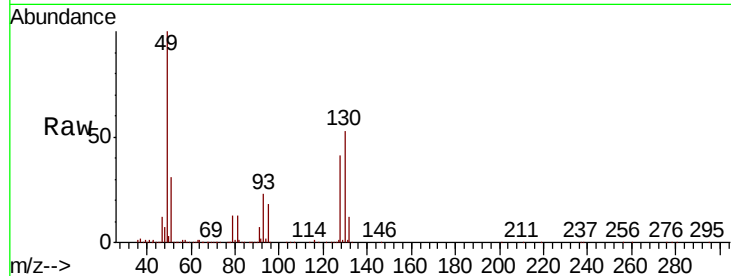
128 40.9 20.5 61.6

130 51.7 26.2 78.5

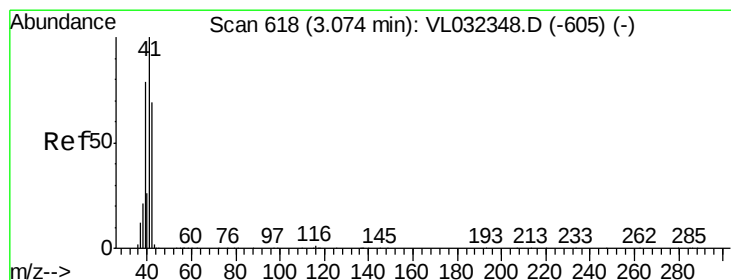
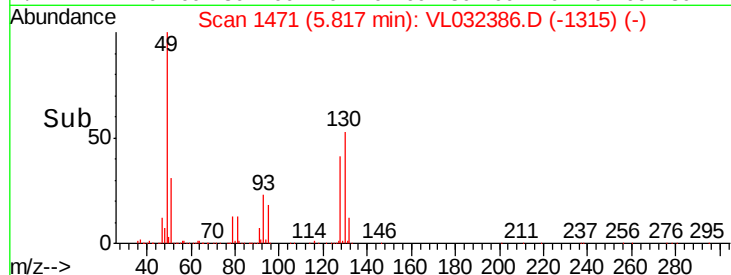
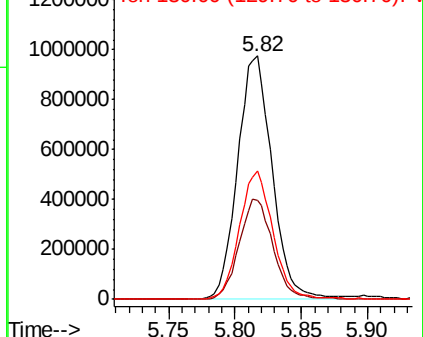
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.77 ppbv m

RT: 3.09 min Scan# 622

Delta R.T. 0.01 min

Lab File: VL032386.D

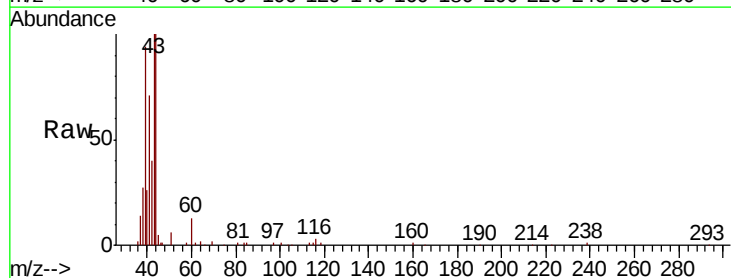
Acq: 16 Aug 2018 21:03

Tgt Ion: 41 Resp: 54026

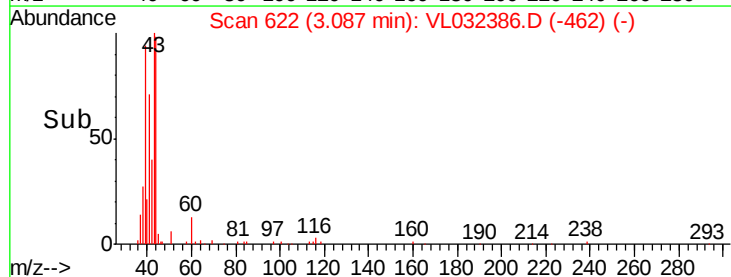
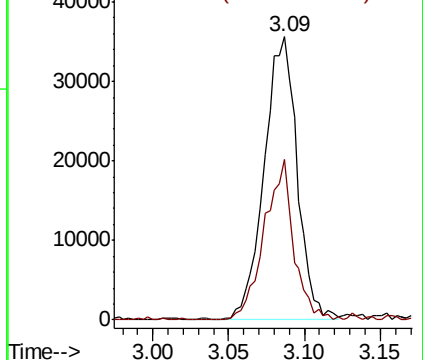
Ion Ratio Lower Upper

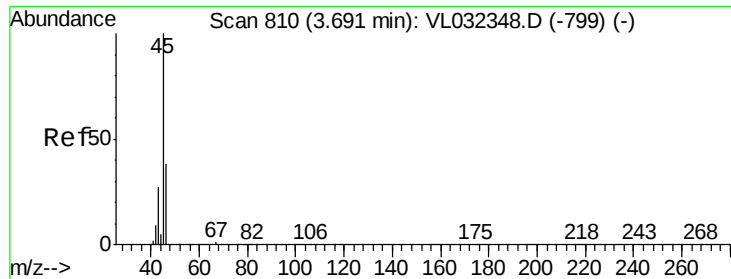
41 100

42 141.7 55.9 83.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





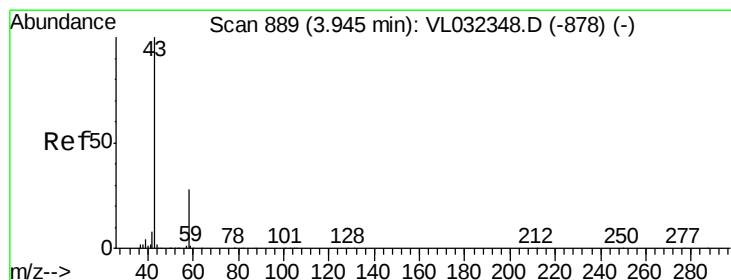
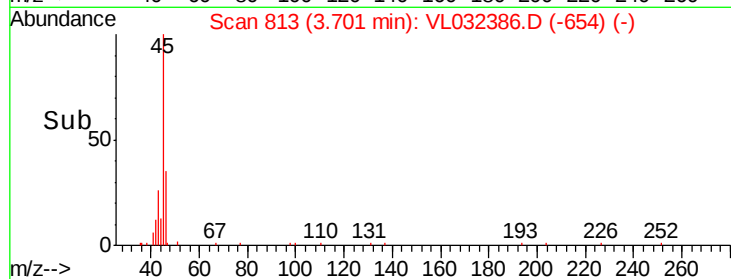
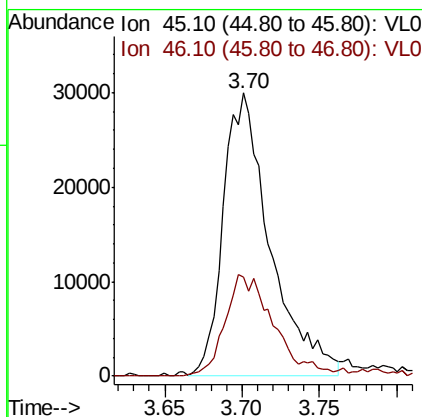
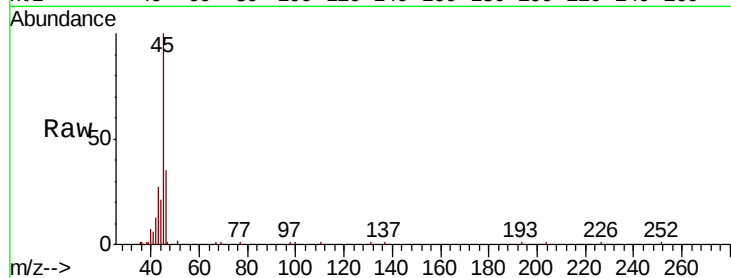
#13
Ethanol
Concen: 3.51 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.01 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tot Ion	45.10	Resp	63138
Ion Ratio	Lower	Upper	
45	100		
46	37.4	15.6	62.4

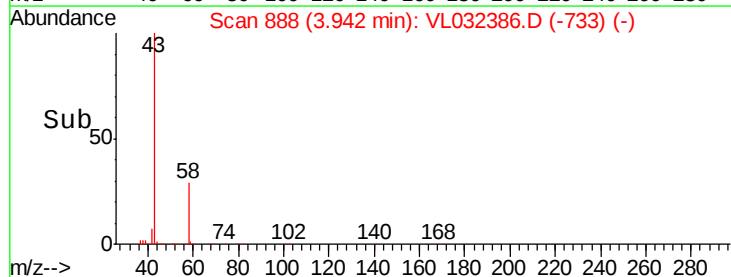
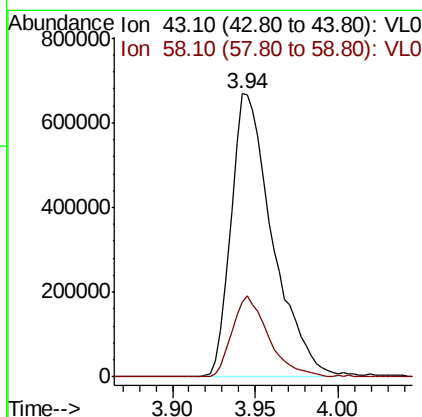
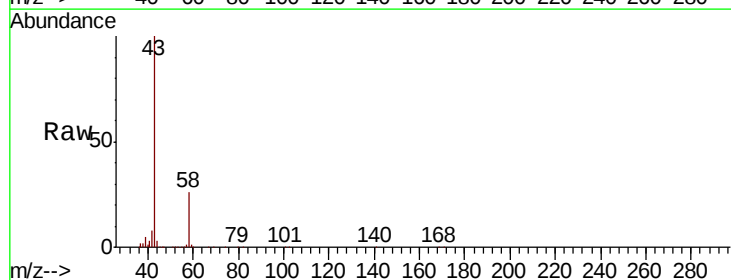
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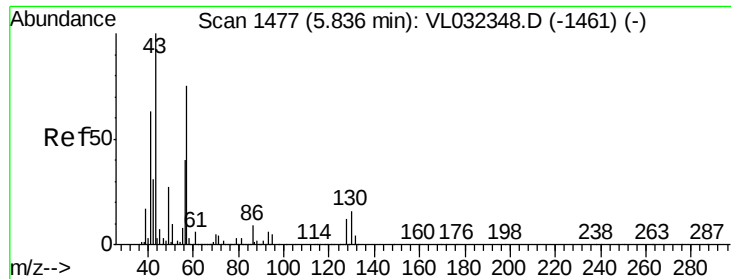
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#15
Acetone
Concen: 6.90 ppbv
RT: 3.94 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion	43.10	Resp	1159490
Ion Ratio	Lower	Upper	
43	100		
58	25.6	22.4	33.6





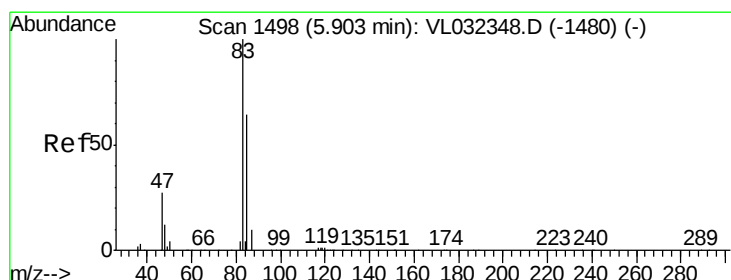
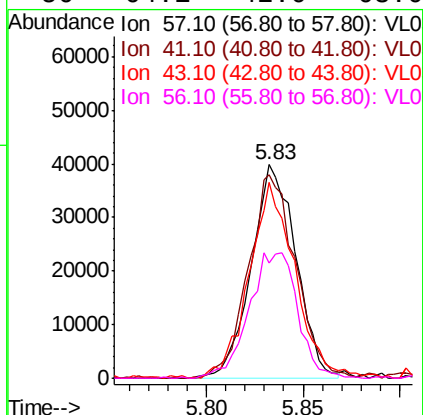
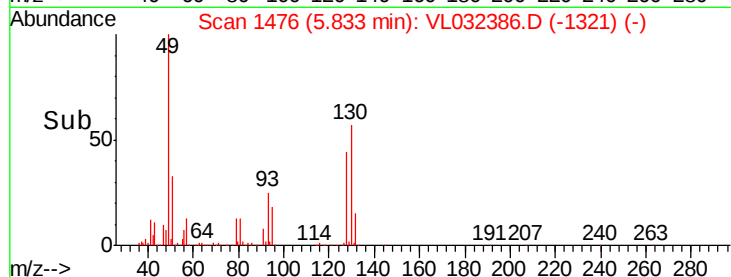
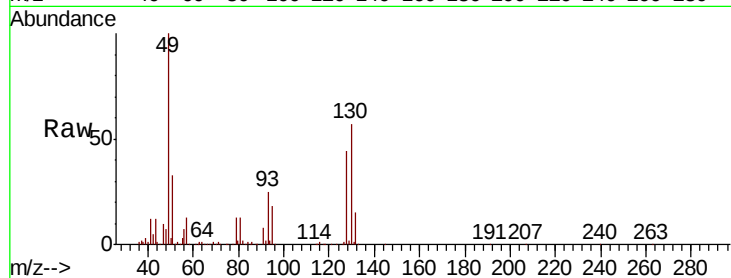
#26
Hexane
Concen: 0.40 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Instrument :
MSVOA_L
ClientSampleId :
SS02-MIVIDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	101.0	68.0	102.0
43	95.4	175.3	262.9#
56	64.1	42.0	63.0#

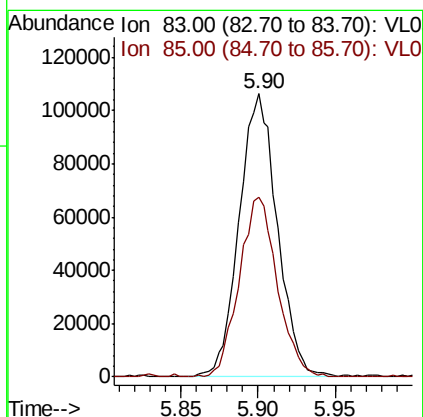
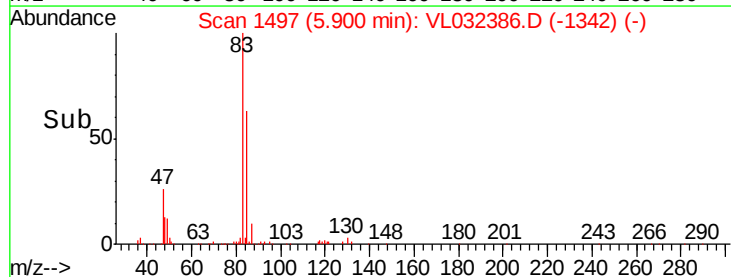
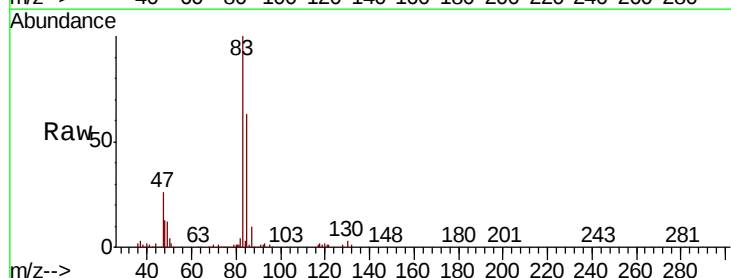
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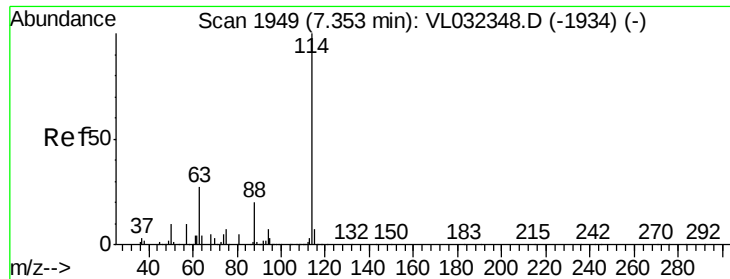
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#29
Chloroform
Concen: 0.77 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL032386.D
Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4





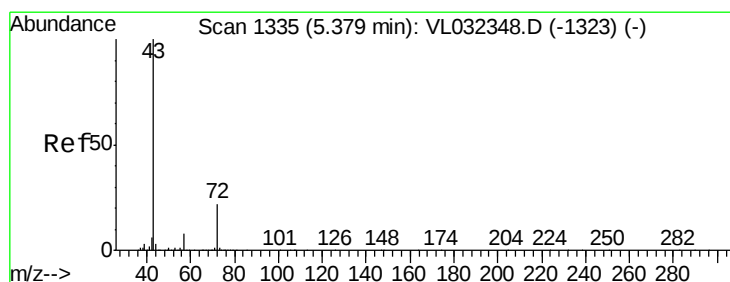
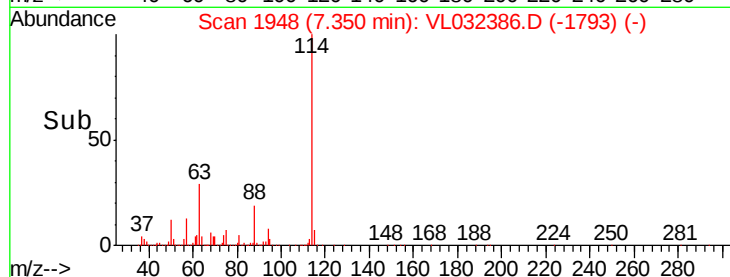
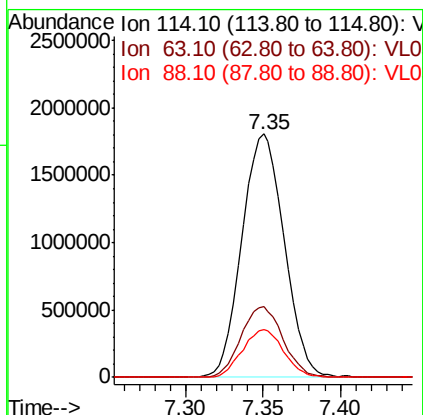
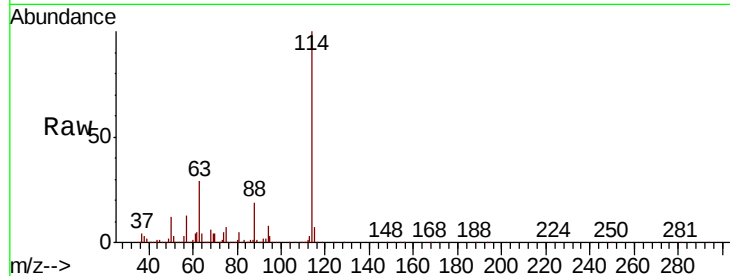
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VL032386.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SS02-MIVIDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.0	33.0
88	19.2	15.3	22.9

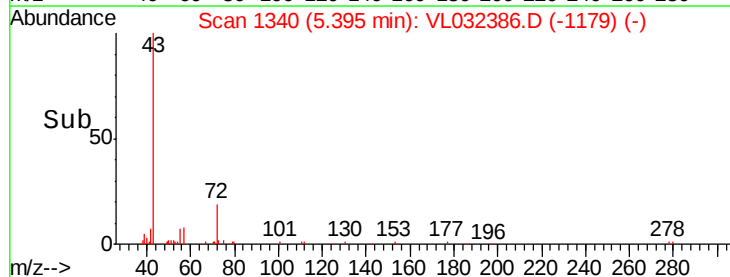
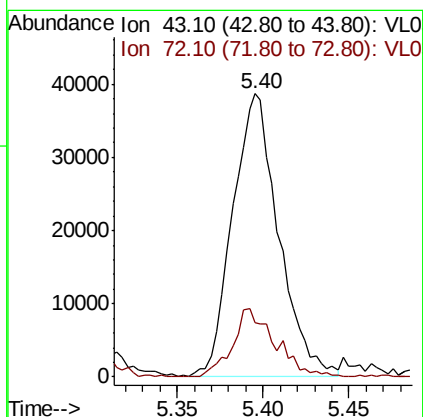
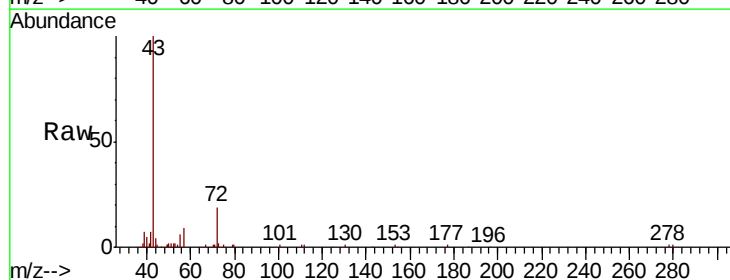
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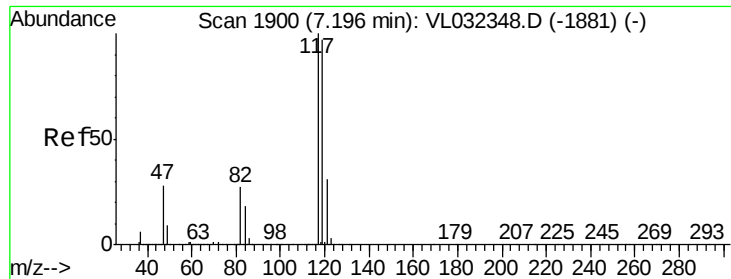
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#34
 2-Butanone
 Concen: 0.31 ppbv
 RT: 5.40 min Scan# 1340
 Delta R.T. 0.02 min
 Lab File: VL032386.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.9	26.9





#35

Carbon Tetrachloride

Concen: 0.14 ppbv m

RT: 7.19 min Scan# 1898

Delta R.T. -0.01 min

Lab File: VL032386.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_L

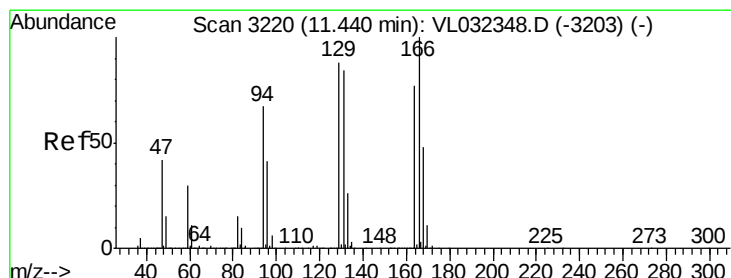
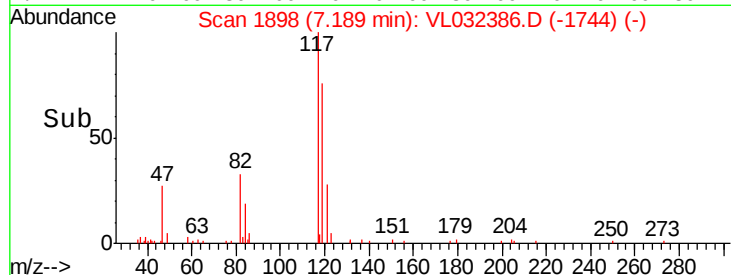
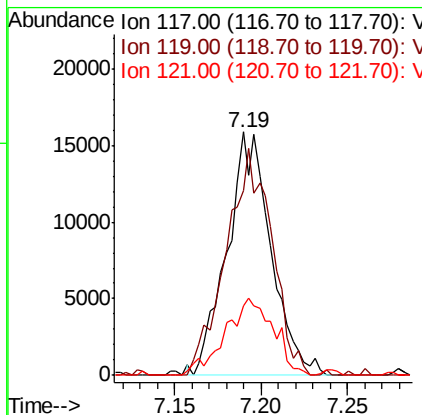
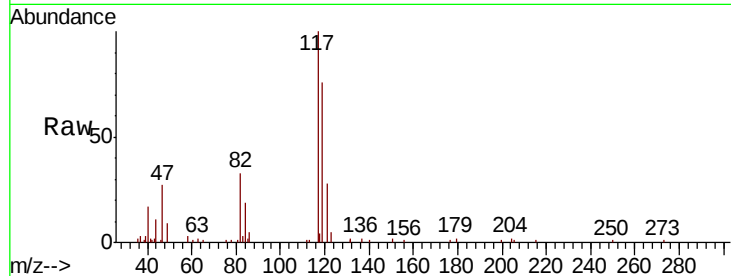
ClientSampleId :

SS02-MIVIDL

Tot Ion:	117	Resp:	27972
Ion Ratio	Lower	Upper	
117	100		
119	75.8	77.2	115.8#
121	28.4	25.1	37.7

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#52

Tetrachloroethene

Concen: 6.68 ppbv

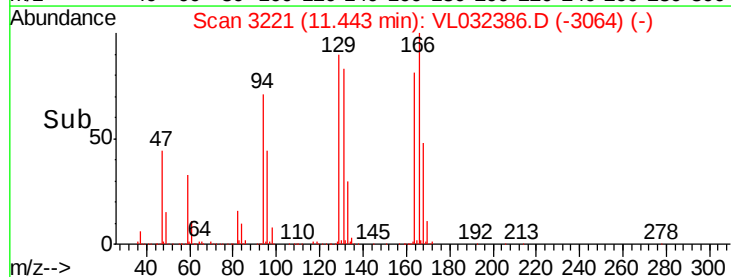
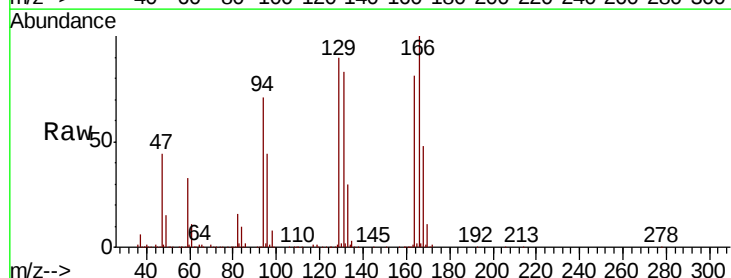
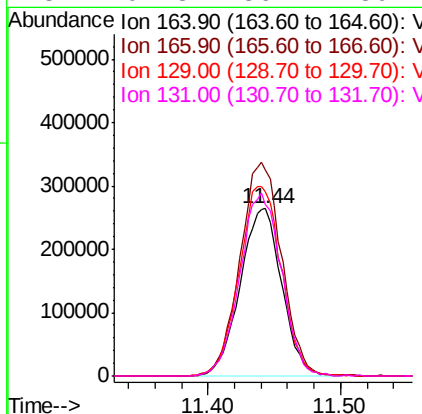
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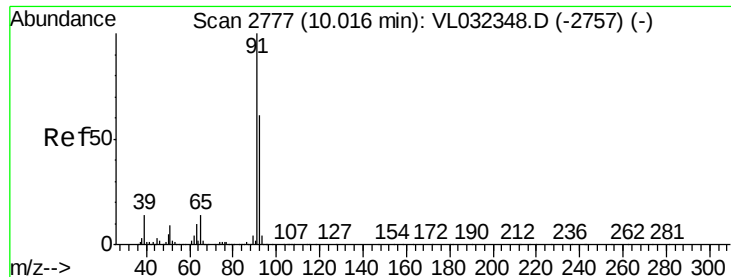
Delta R.T. 0.00 min

Lab File: VL032386.D

Acq: 16 Aug 2018 21:03

Tgt Ion:	164	Resp:	573418
Ion Ratio	Lower	Upper	
164	100		
166	122.8	103.5	155.3
129	110.3	90.9	136.3
131	102.3	86.7	130.1





#53

Toluene

Concen: 0.63 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032386.D

Acq: 16 Aug 2018 21:03

Instrument :

MSVOA_L

ClientSampleId :

SS02-MIVIDL

Tot Ion: 91 Resp: 200221

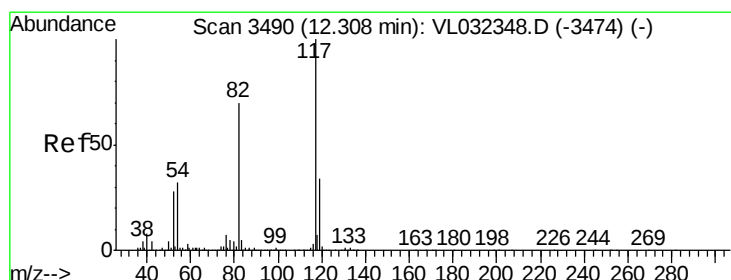
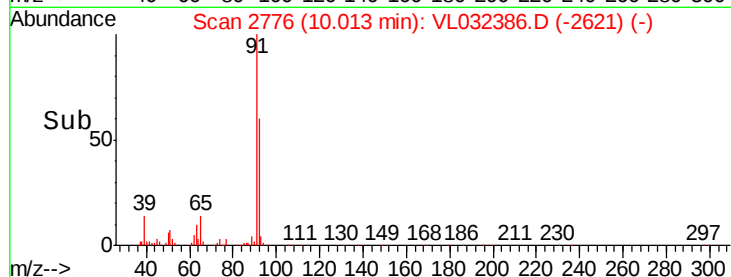
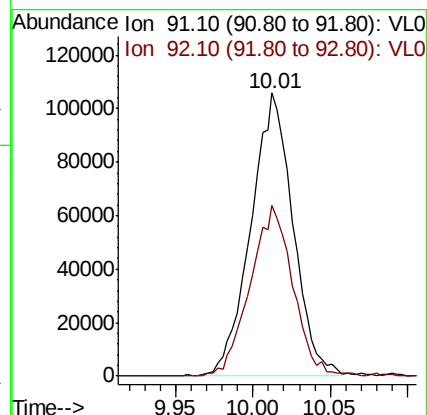
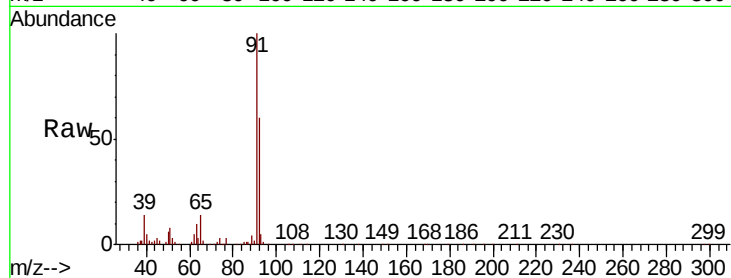
Ion Ratio Lower Upper

91 100

92 61.0 48.7 73.1

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.31 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032386.D

Acq: 16 Aug 2018 21:03

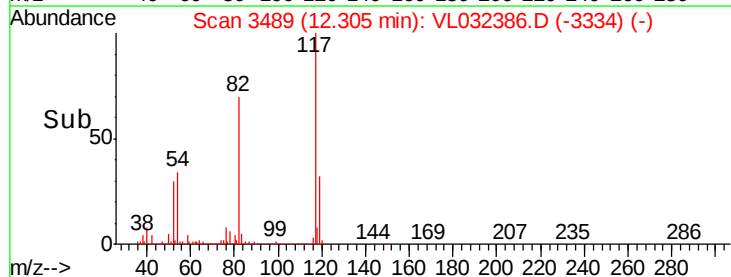
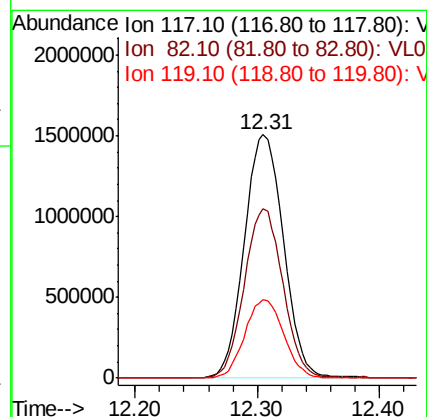
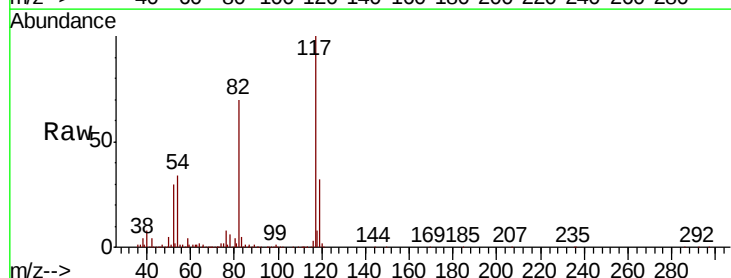
Tgt Ion: 117 Resp: 3340801

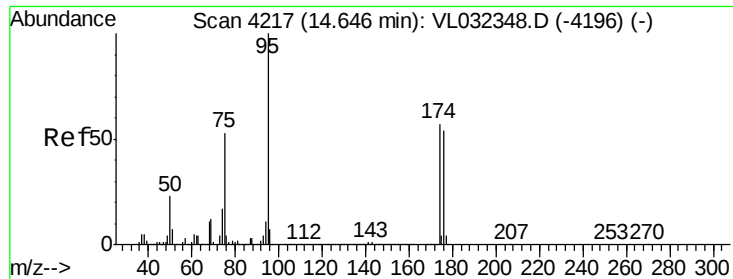
Ion Ratio Lower Upper

117 100

82 69.2 55.1 82.7

119 32.1 46.0 69.0#





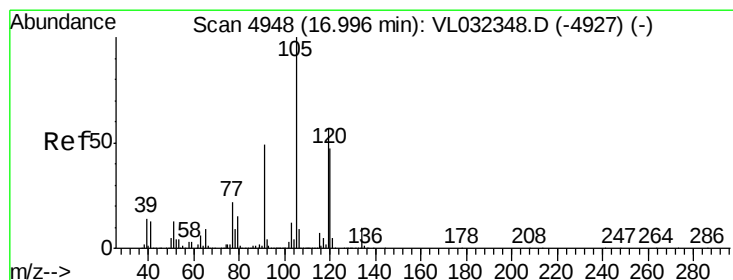
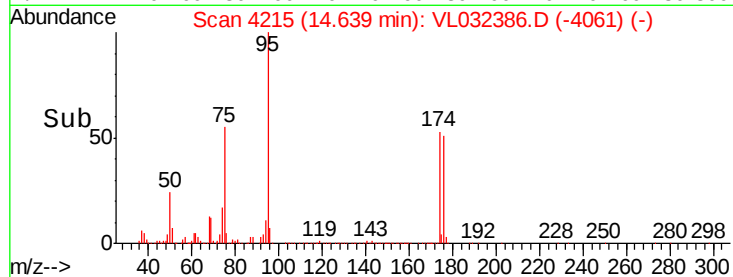
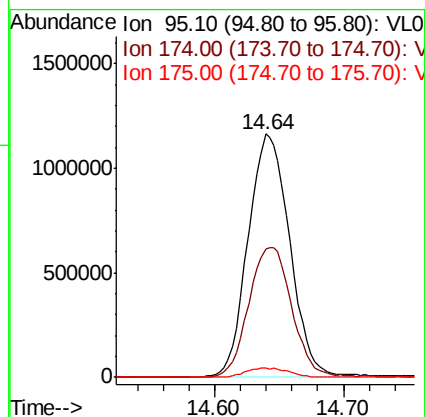
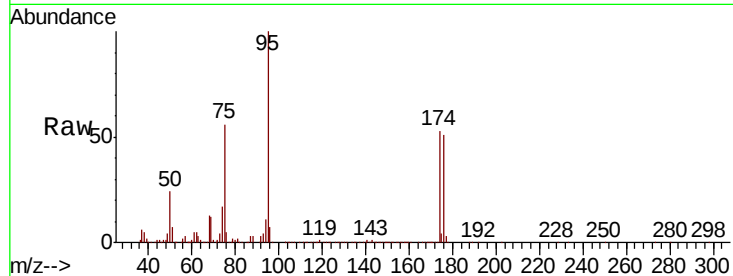
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.23 ppbv
 RT: 14.64 min Scan# 4215
 Delta R.T. -0.01 min
 Lab File: VL032386.D
 Acq: 16 Aug 2018 21:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SS02-MIVIDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	56.0	46.2	69.4
175	4.1	3.4	5.0

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#74
 1,2,4-Trimethylbenzene
 Concen: 0.12 ppbv m
 RT: 16.99 min Scan# 4946
 Delta R.T. -0.01 min
 Lab File: VL032386.D
 Acq: 16 Aug 2018 21:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.2	37.6	56.4
91	21.3	39.9	59.9#
77	18.3	17.8	26.8

