

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033916.D
 Acq On : 14 Jun 2019 3:29
 Operator : SY/AP
 Sample : K3367-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1-BSMNTDL

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:28 AM

Quant Time: Jun 14 09:04:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	879796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2001527	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	1892980	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1554926	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	14999m	0.387	ppbv	
13) Ethanol	3.64	45	171934	13.636	ppbv	97
15) Acetone	3.90	43	101711	0.793	ppbv	95
29) Chloroform	5.83	83	13307	0.087	ppbv #	82
52) Tetrachloroethene	11.36	164	79863	1.484	ppbv	93
53) Toluene	9.93	91	22405m	0.132	ppbv	

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

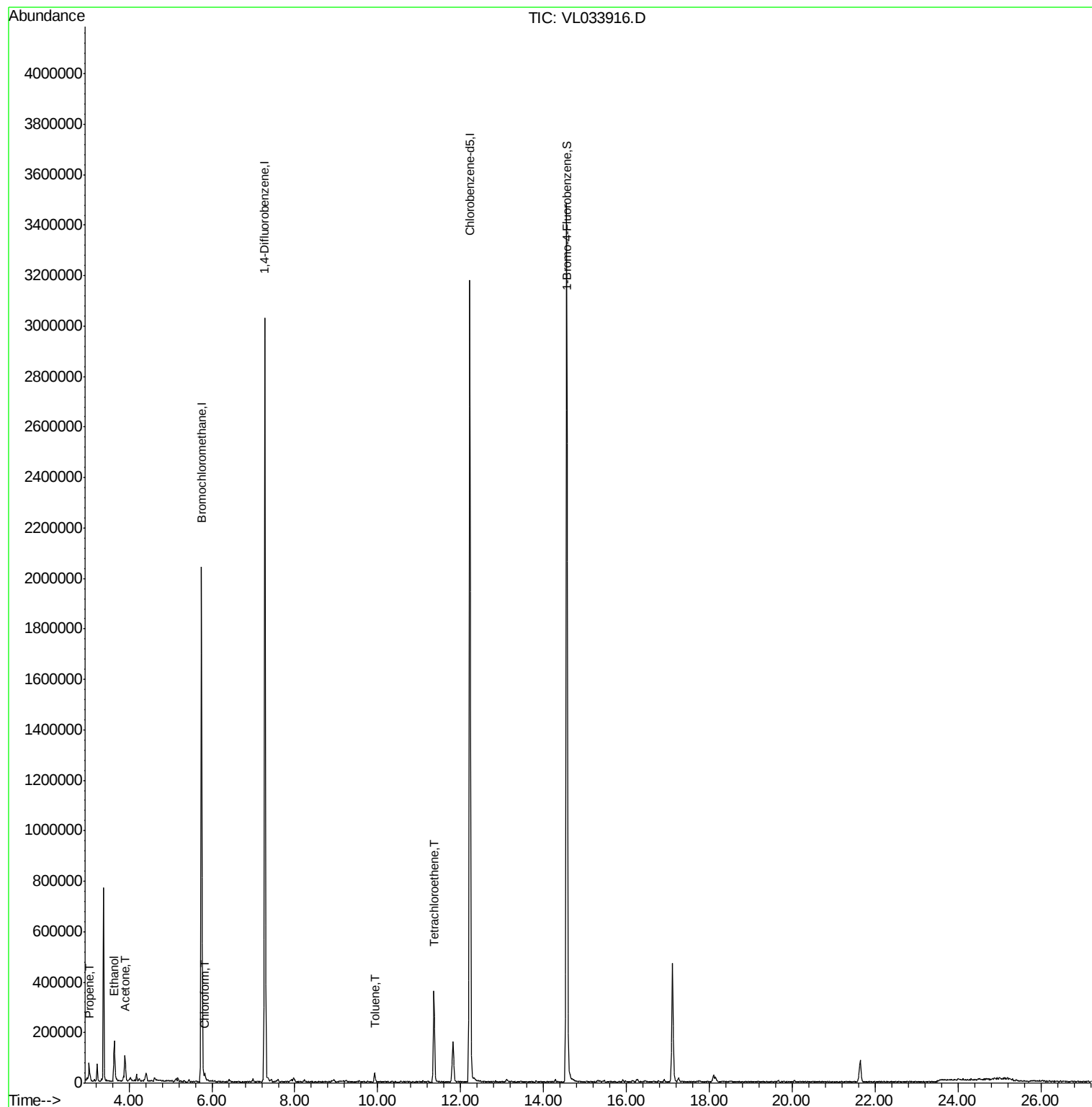
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
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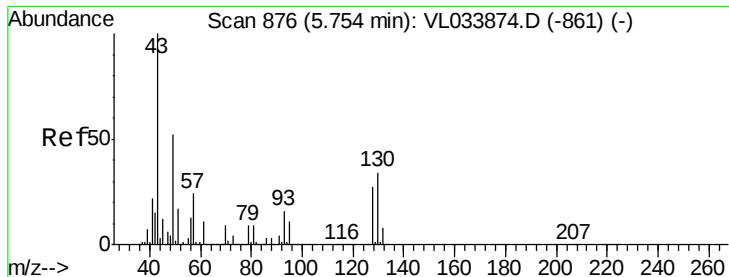
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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033916.D

Acq: 14 Jun 2019 3:29

Instrument :

MSVOA_L

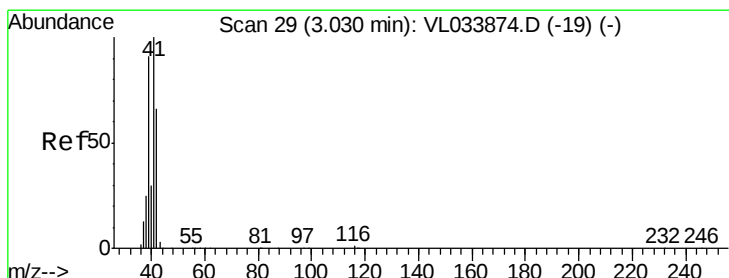
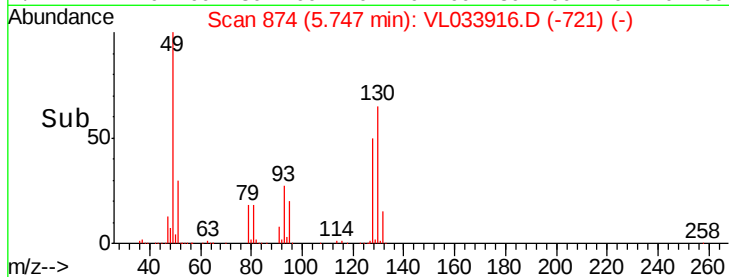
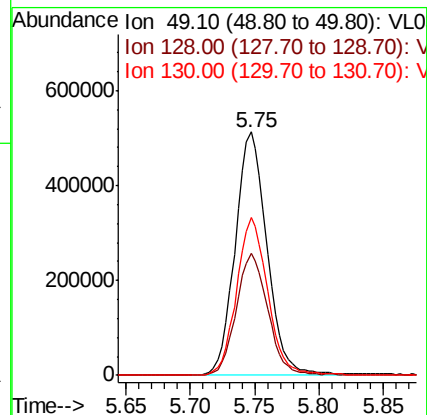
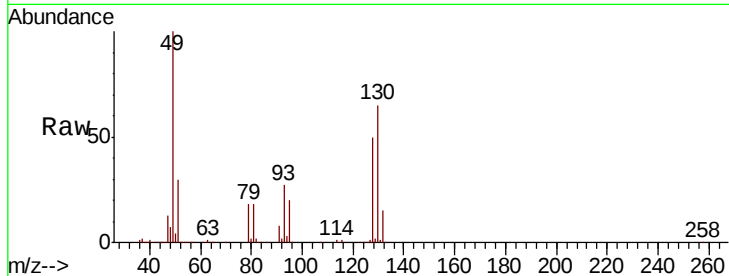
ClientSampleId :

IA1-BSMNTDL

Tot Ion:	49	Resp:	879796
Ion	Ratio	Lower	Upper
49	100		
128	50.1	25.5	76.5
130	63.9	32.5	97.4

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#9

Propene

Concen: 0.387 ppbv m

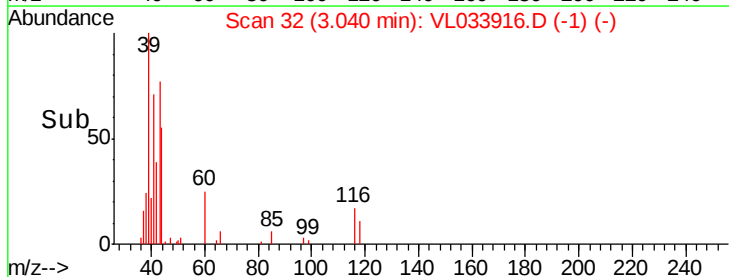
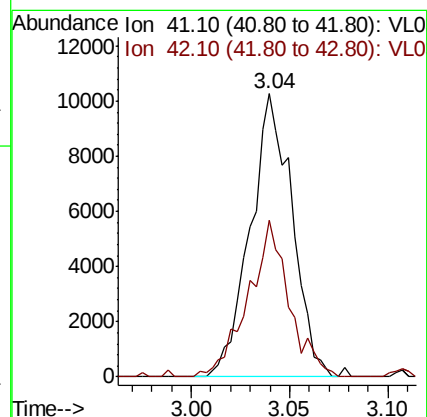
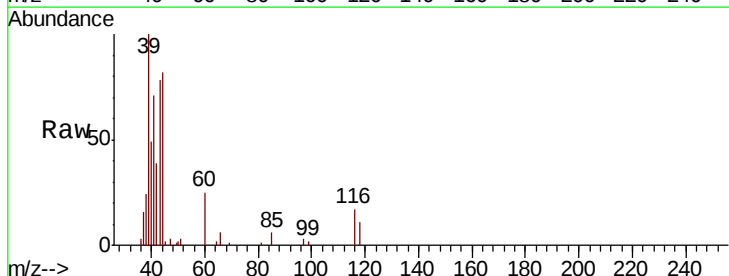
RT: 3.04 min Scan# 32

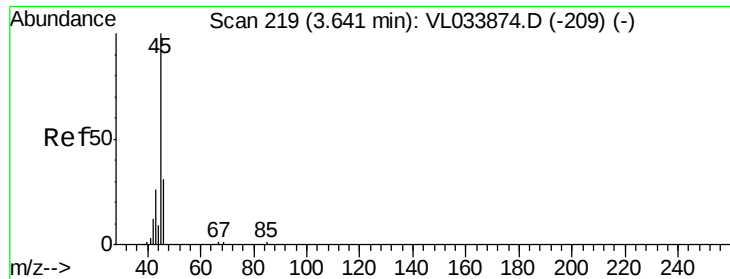
Delta R.T. 0.01 min

Lab File: VL033916.D

Acq: 14 Jun 2019 3:29

Tgt Ion:	41	Resp:	14999
Ion	Ratio	Lower	Upper
41	100		
42	75.4	56.3	84.5





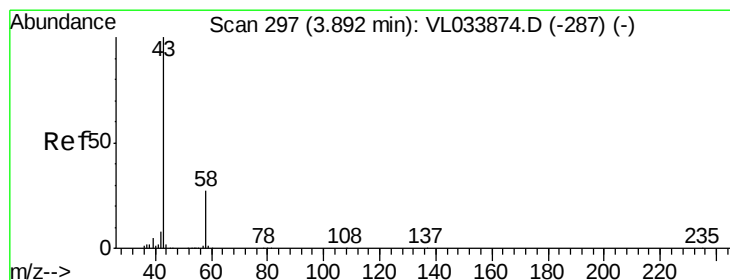
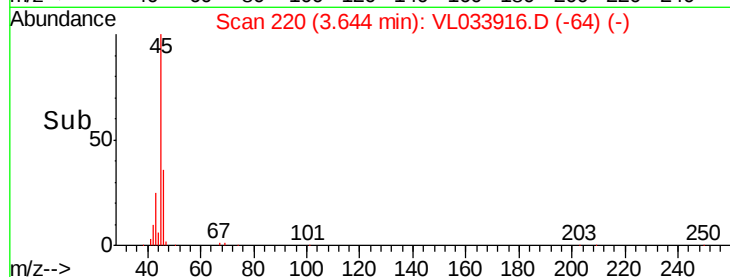
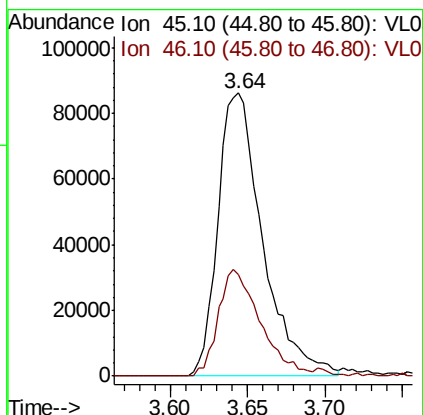
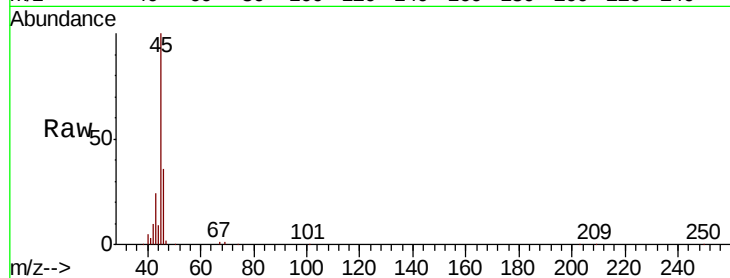
#13
Ethanol
Concen: 13.636 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Instrument :
MSVOA_L
ClientSampleId :
IA1-BSMNTDL

Tot Ion: 45 Resp: 171934
Ion Ratio Lower Upper
45 100
46 36.7 15.3 61.1

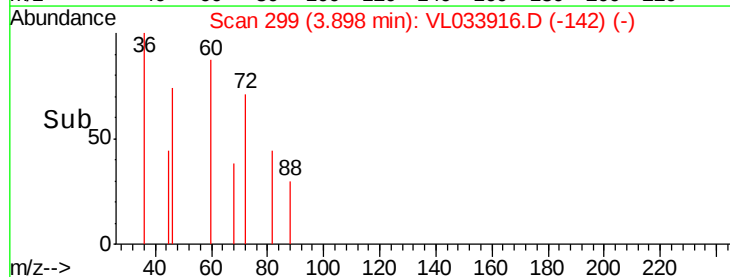
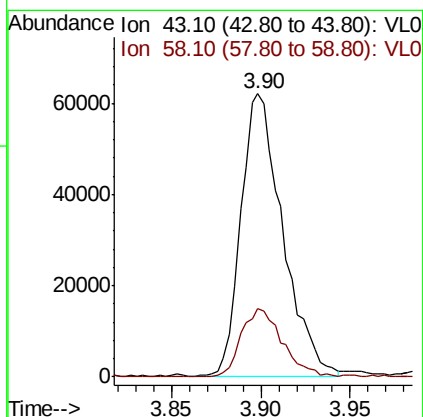
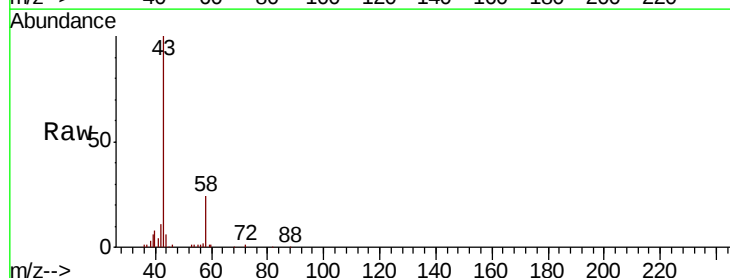
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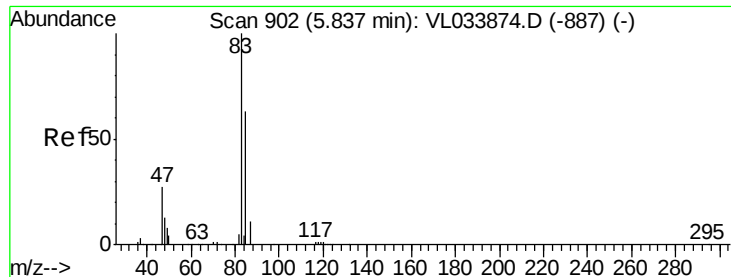
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#15
Acetone
Concen: 0.793 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Tgt Ion: 43 Resp: 101711
Ion Ratio Lower Upper
43 100
58 24.0 21.3 31.9





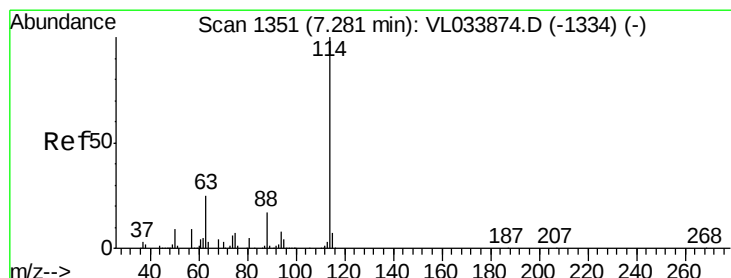
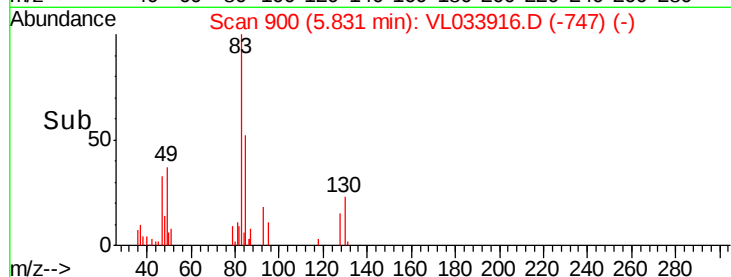
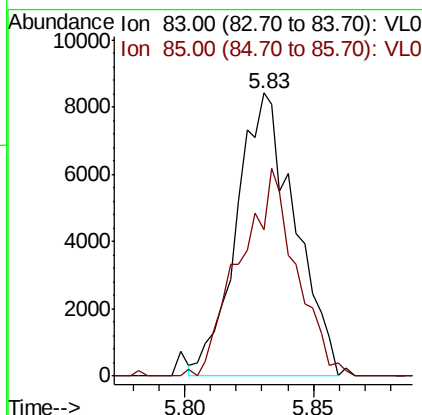
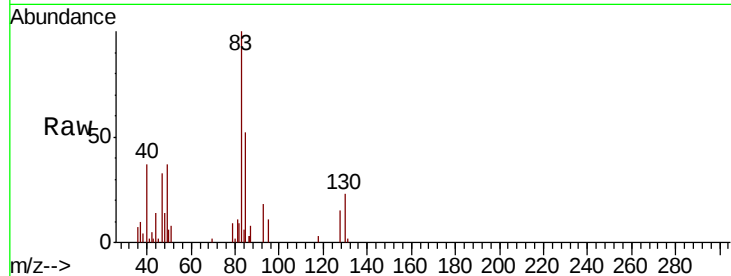
#29
Chloroform
Concen: 0.087 ppbv
RT: 5.83 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Instrument :
MSVOA_L
ClientSampleId :
IA1-BSMNTDL

Tot Ion	83	Resp	13307
Ion Ratio	100	Lower	Upper
83	100		
85	49.2	50.5	75.7#

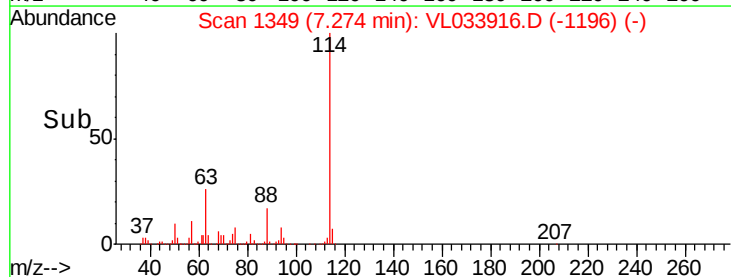
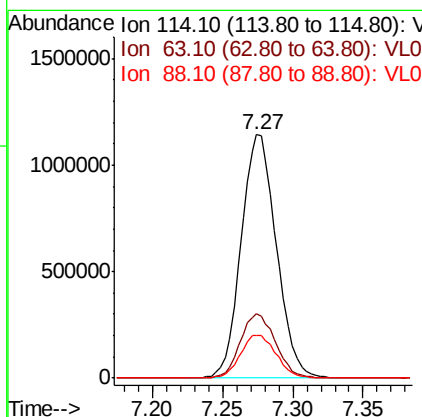
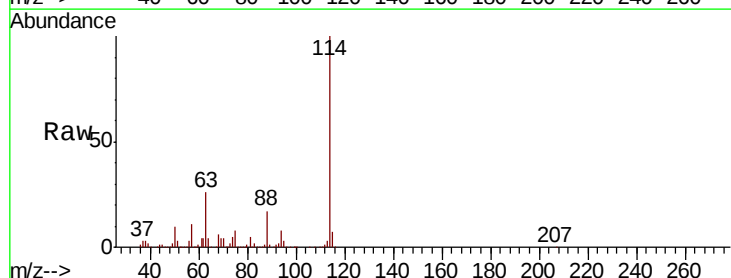
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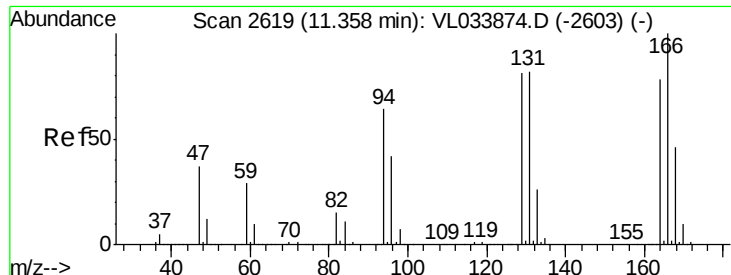
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Tgt Ion	114	Resp	2001527
Ion Ratio	100	Lower	Upper
114	100		
63	26.5	21.1	31.7
88	18.0	14.2	21.4





#52

Tetrachloroethene

Concen: 1.484 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL033916.D

Acq: 14 Jun 2019 3:29

Instrument :

MSVOA_L

ClientSampleId :

IA1-BSMNTDL

Tot Ion:164 Resp: 79863

Ion Ratio Lower Upper

164 100

166 129.9 103.1 154.7

129 118.7 83.9 125.9

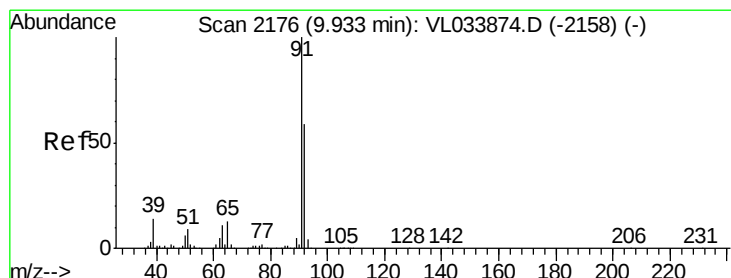
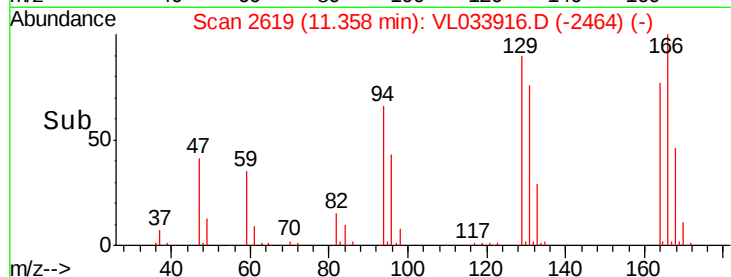
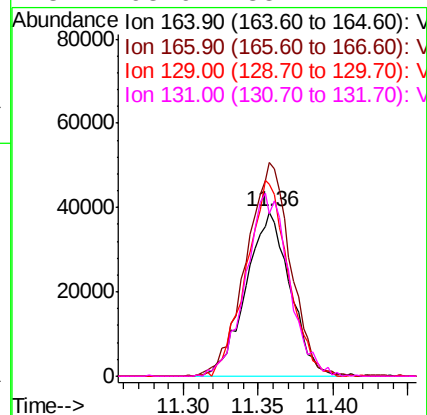
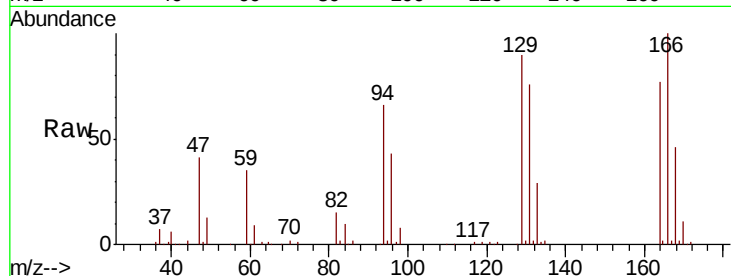
131 98.9 85.1 127.7

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#53

Toluene

Concen: 0.132 ppbv m

RT: 9.93 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL033916.D

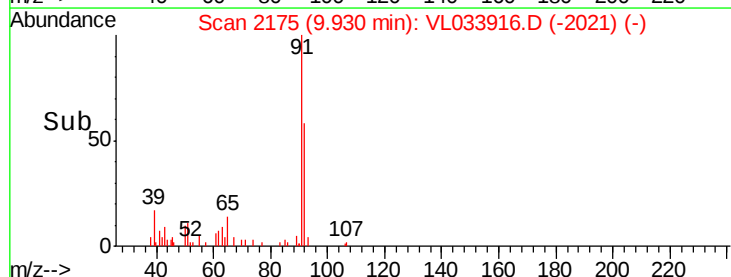
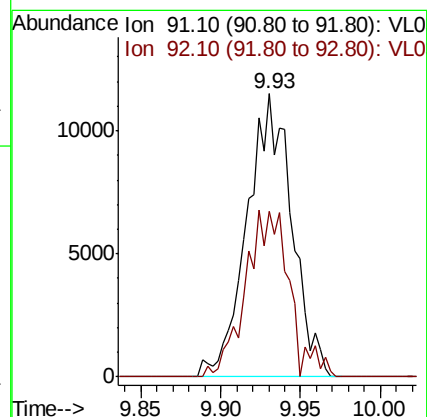
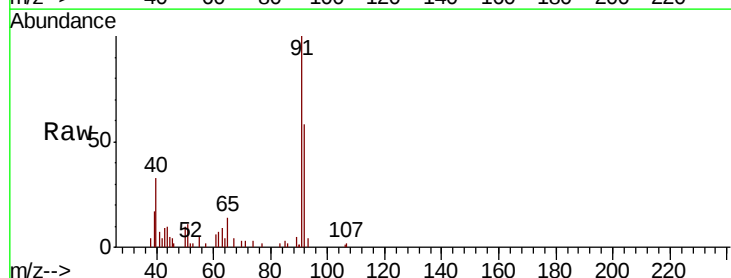
Acq: 14 Jun 2019 3:29

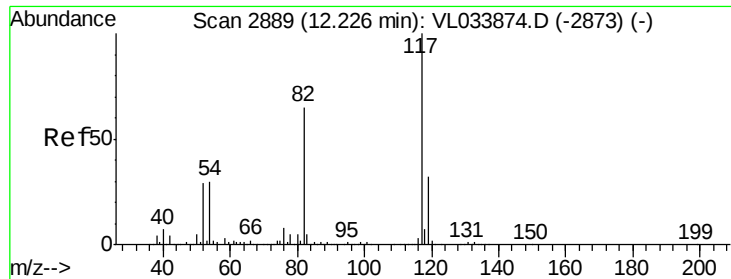
Tgt Ion: 91 Resp: 22405

Ion Ratio Lower Upper

91 100

92 57.7 47.0 70.6





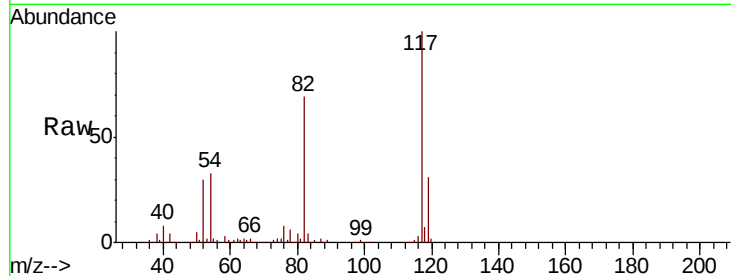
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Instrument :
MSVOA_L
ClientSampleId :
IA1-BSMNTDL

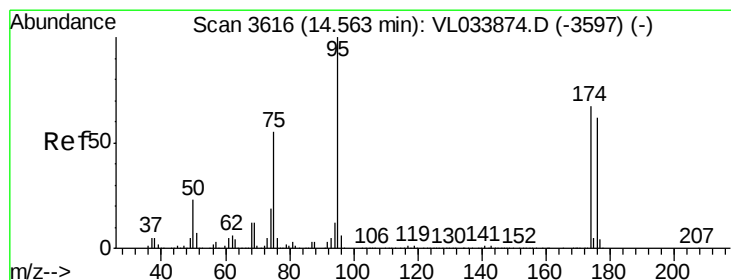
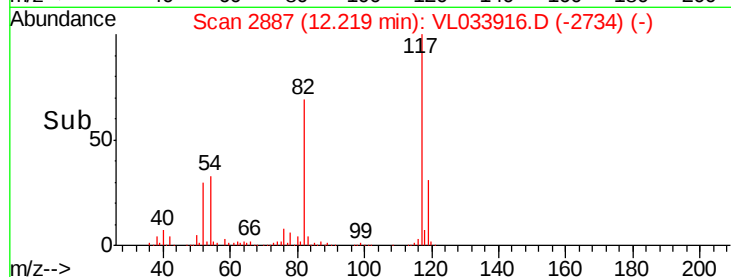
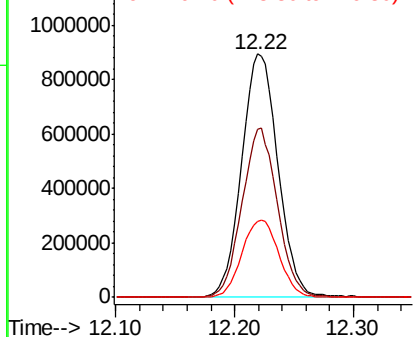
Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	50.2	75.2
119	32.4	24.8	37.2

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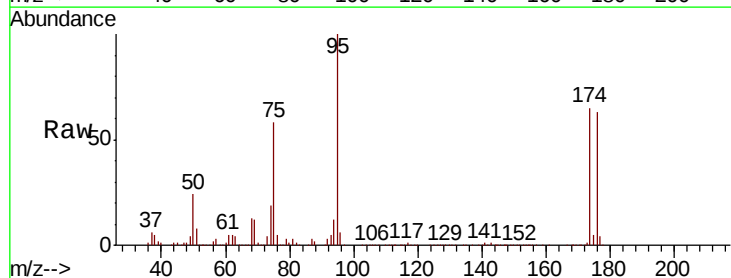


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.000 ppbv
RT: 14.56 min Scan# 3615
Delta R.T. -0.00 min
Lab File: VL033916.D
Acq: 14 Jun 2019 3:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.1	54.0	81.0
175	4.7	3.8	5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

