

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061319\
 Data File : VL033923.D
 Acq On : 14 Jun 2019 8:04
 Operator : SY/AP
 Sample : K3295-01DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V1DL

Manual Integrations
 APPROVED

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 6/17/2019 12:37:40 AM

Quant Time: Jun 16 18:24:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	982507	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2514479	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2579822	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1895428	8.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	55844	1.290	ppbv	92
13) Ethanol	3.64	45	33332m	2.367	ppbv	
15) Acetone	3.89	43	1125845	7.857	ppbv	96
34) 2-Butanone	5.32	43	209348	1.476	ppbv	98
51) 2-Hexanone	10.27	43	38255	0.232	ppbv #	94
52) Tetrachloroethene	11.35	164	21590m	0.319	ppbv	
53) Toluene	9.93	91	43641	0.205	ppbv	100

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

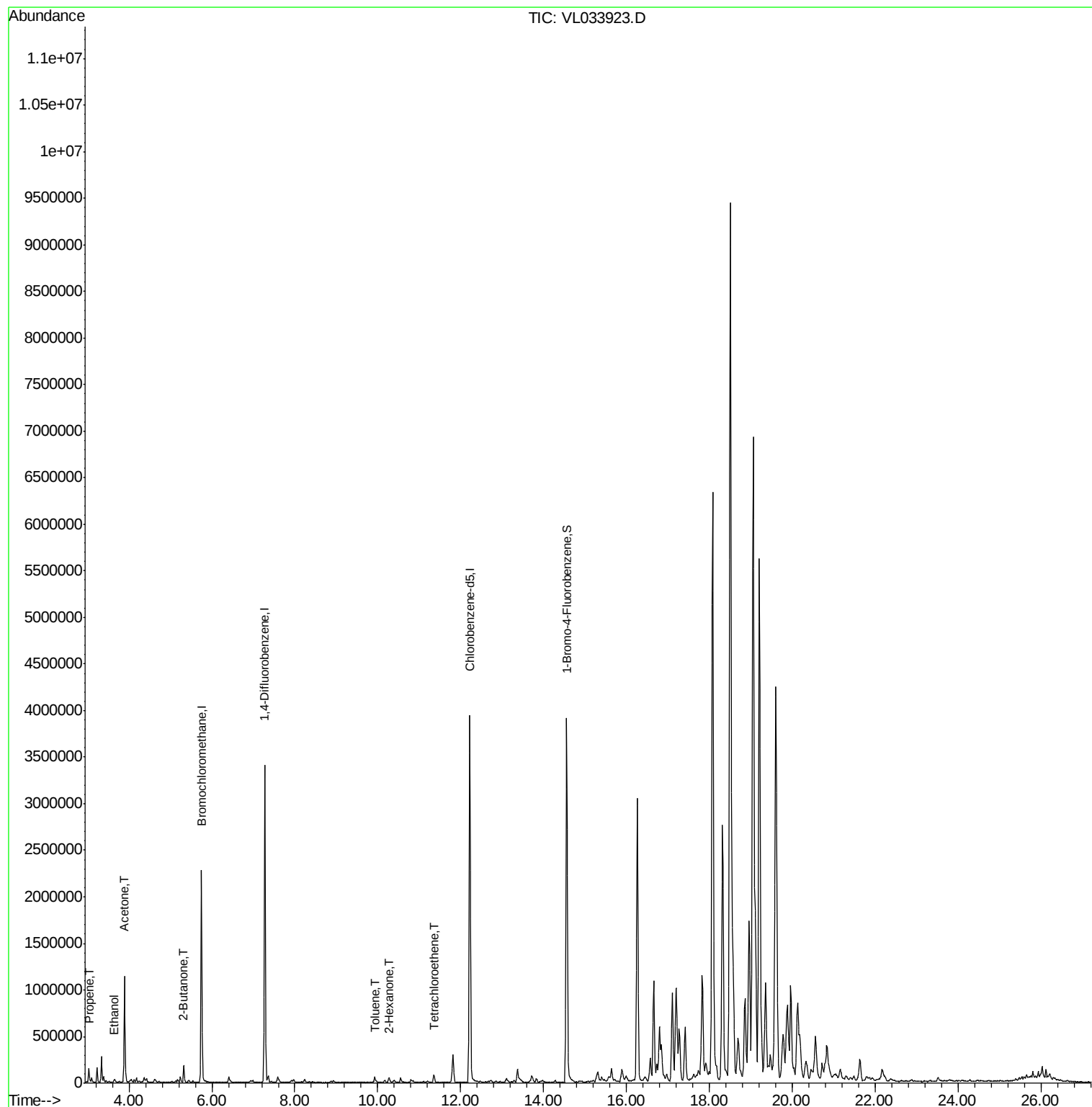
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061319\
Data File : VL033923.D
Acq On : 14 Jun 2019 8:04
Operator : SY/AP
Sample : K3295-01DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

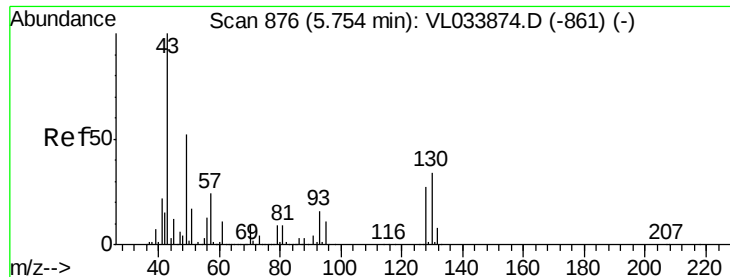
Instrument :
MSVOA_L
ClientSampleId :
V1DL

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6/17/2019 12:37:40 AM

Quant Time: Jun 16 18:24:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
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: VL033923.D

Acq: 14 Jun 2019 8:04

Instrument :

MSVOA_L

ClientSampled :

V1DL

Tgt Ion: 49 Resp: 982507
Ion Ratio Lower Upper

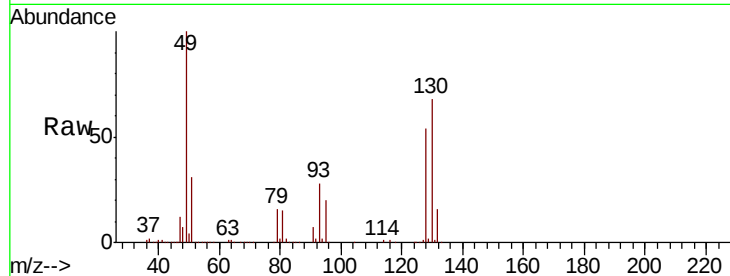
49 100

128 53.6 25.5 76.5

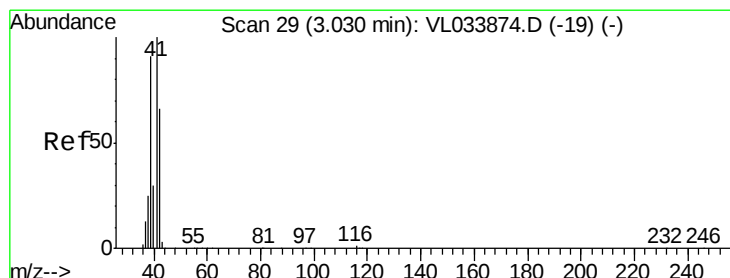
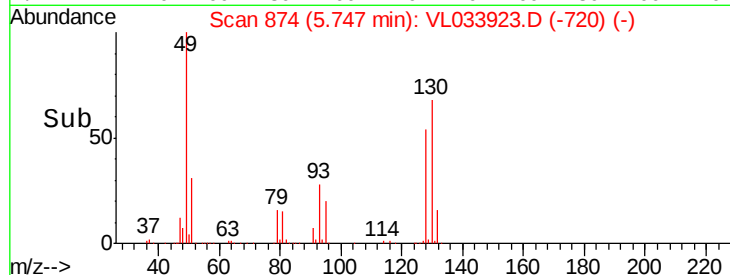
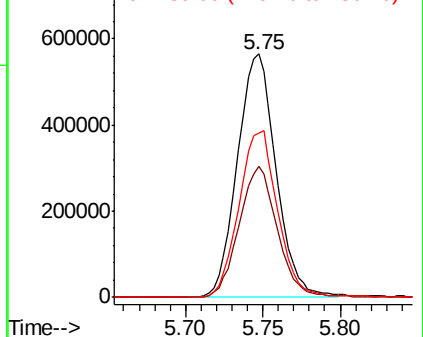
130 69.6 32.5 97.4

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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: 1.290 ppbv

RT: 3.03 min Scan# 29

Delta R.T. 0.00 min

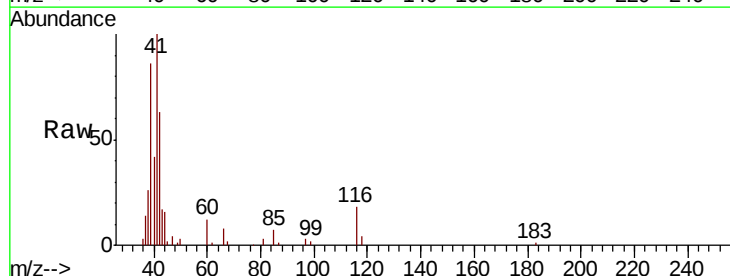
Lab File: VL033923.D

Acq: 14 Jun 2019 8:04

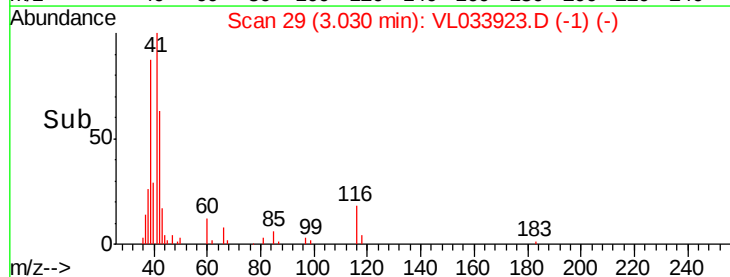
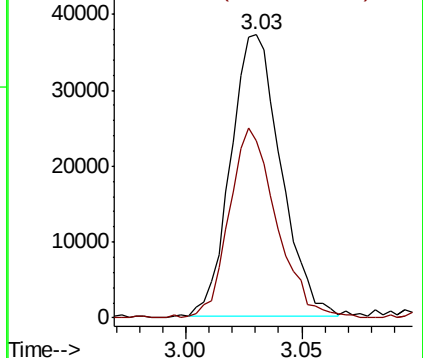
Tgt Ion: 41 Resp: 55844
Ion Ratio Lower Upper

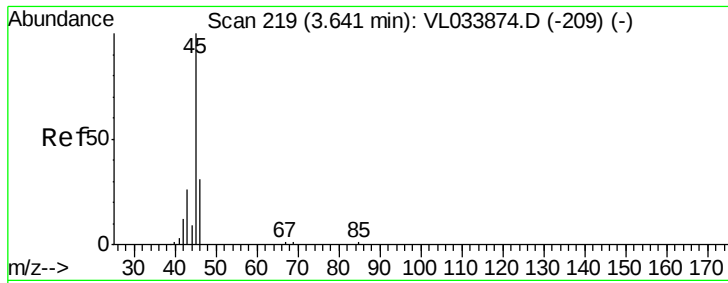
41 100

42 64.0 56.3 84.5



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





#13

Ethanol

Concen: 2.367 ppbv m

RT: 3.64 min Scan# 219

Delta R.T. 0.00 min

Lab File: VL033923.D

Acq: 14 Jun 2019 8:04

Instrument :

MSVOA_L

ClientSampleId :

V1DL

Tgt Ion: 45 Resp: 33332

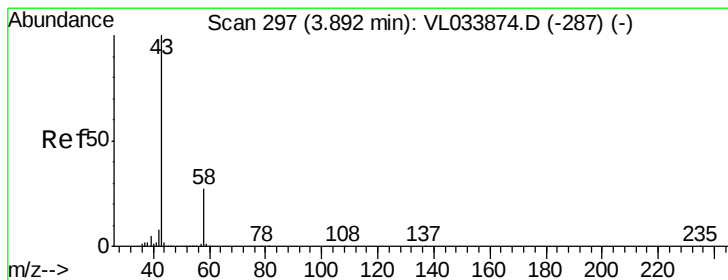
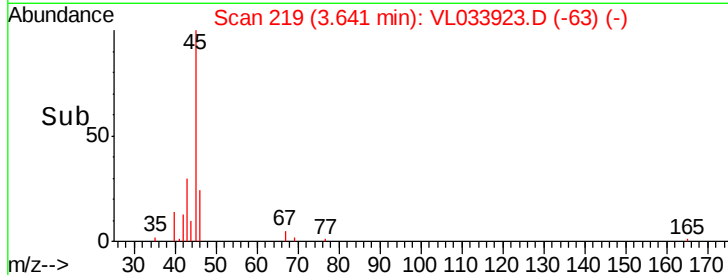
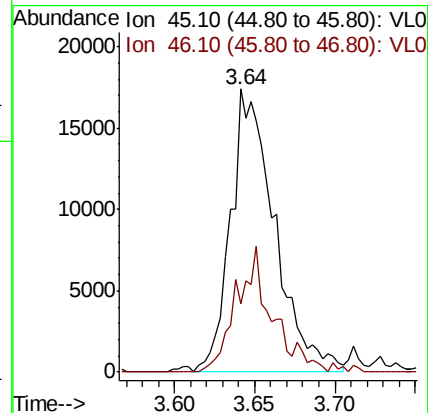
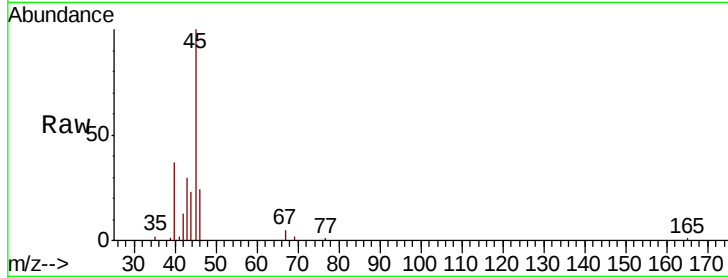
Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.1#

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#15

Acetone

Concen: 7.857 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033923.D

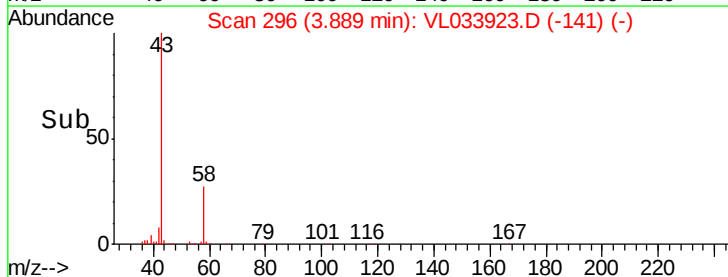
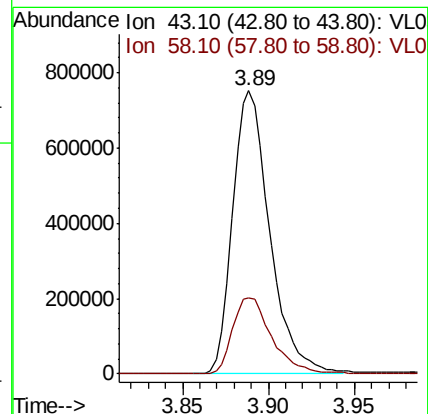
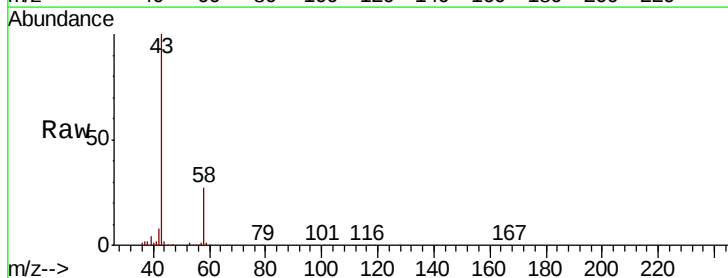
Acq: 14 Jun 2019 8:04

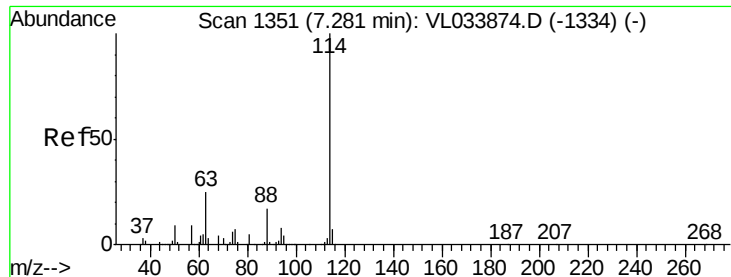
Tgt Ion: 43 Resp: 1125845

Ion Ratio Lower Upper

43 100

58 28.8 21.3 31.9





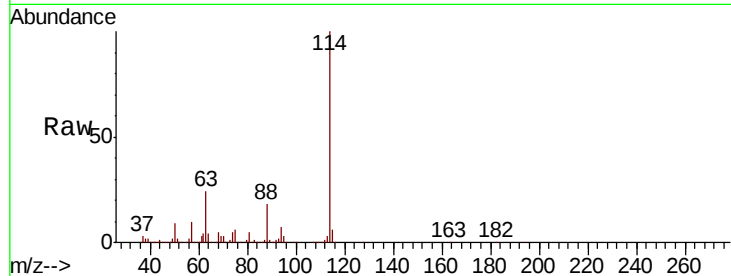
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033923.D
 Acq: 14 Jun 2019 8:04

Instrument :
 MSVOA_L
 ClientSampled :
 V1DL

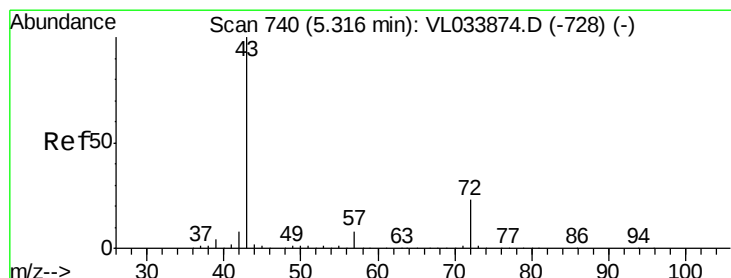
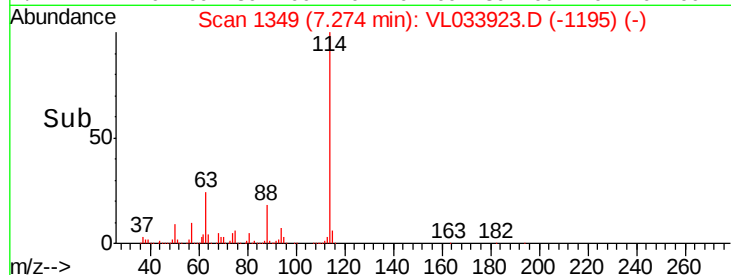
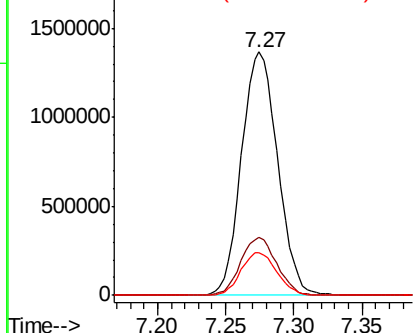
Tgt Ion: 114 Resp: 2514479
 Ion Ratio Lower Upper
 114 100
 63 23.9 21.1 31.7
 88 17.4 14.2 21.4

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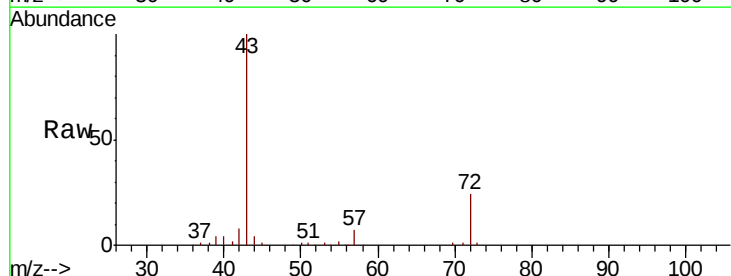


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

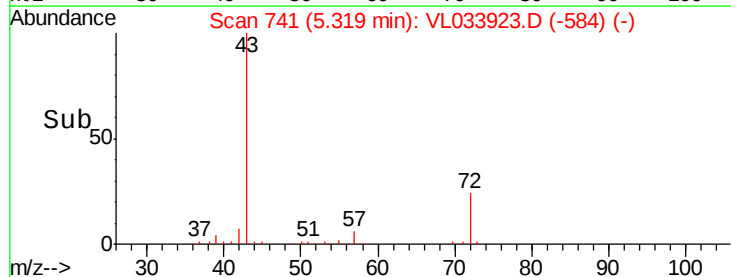
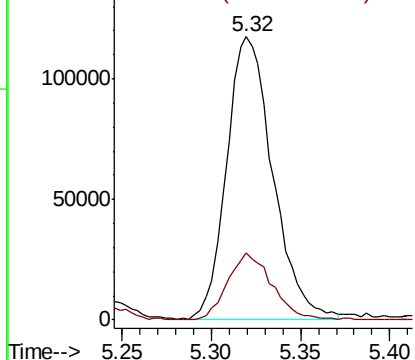


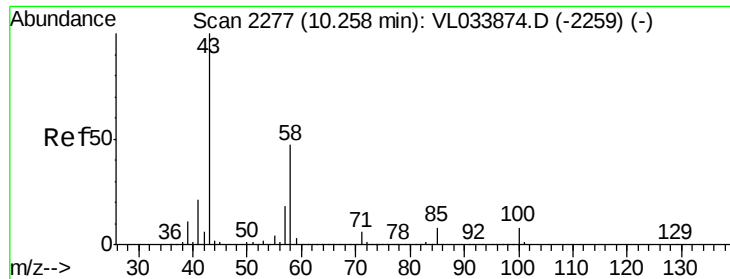
#34
 2-Butanone
 Concen: 1.476 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033923.D
 Acq: 14 Jun 2019 8:04

Tgt Ion: 43 Resp: 209348
 Ion Ratio Lower Upper
 43 100
 72 23.2 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





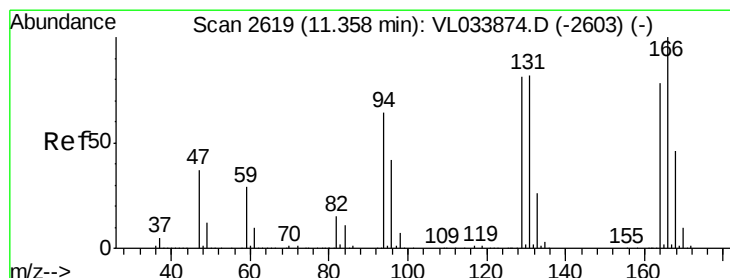
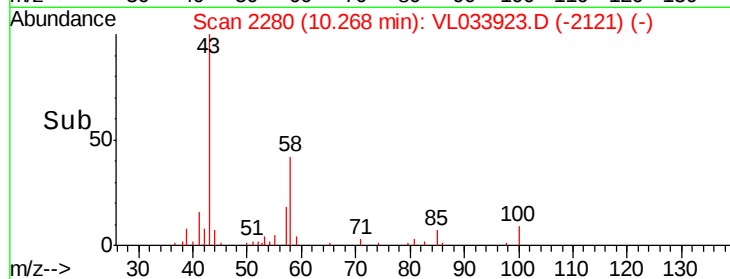
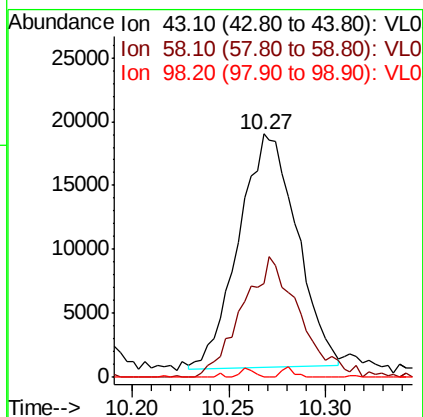
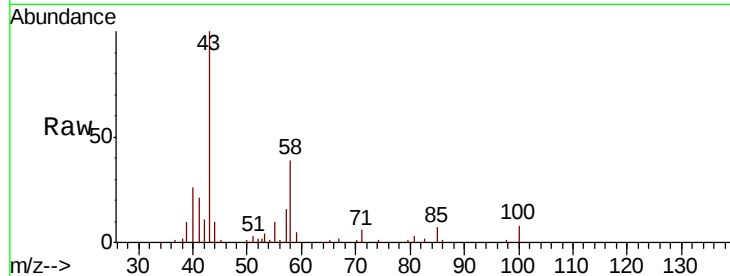
#51
2-Hexanone
Concen: 0.232 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL033923.D
Acq: 14 Jun 2019 8:04

Instrument :
MSVOA_L
ClientSampled :
V1DL

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.1	38.2	57.4
98	1.9	0.2	0.2#

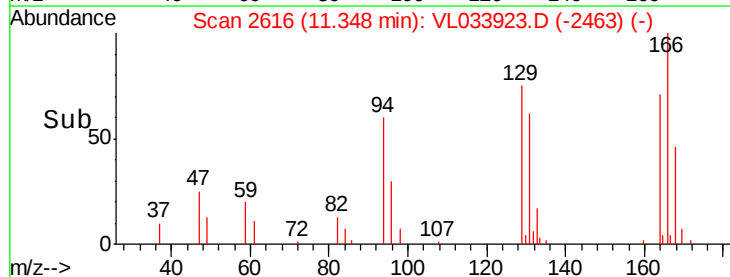
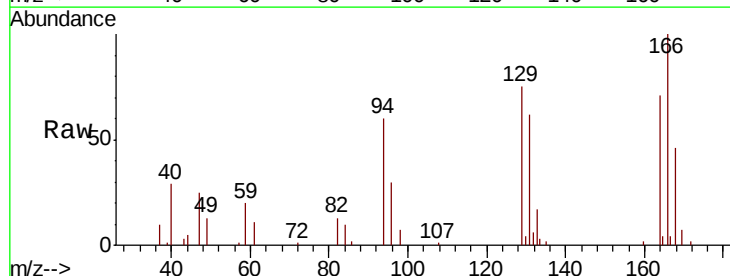
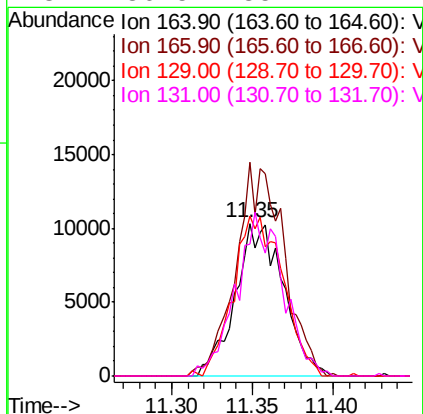
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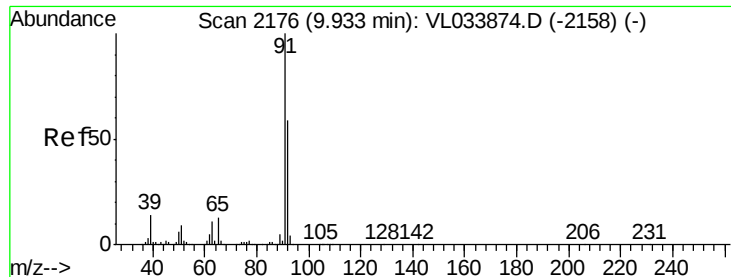
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#52
Tetrachloroethene
Concen: 0.319 ppbv m
RT: 11.35 min Scan# 2616
Delta R.T. -0.01 min
Lab File: VL033923.D
Acq: 14 Jun 2019 8:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.9	103.1	154.7
129	105.1	83.9	125.9
131	86.5	85.1	127.7





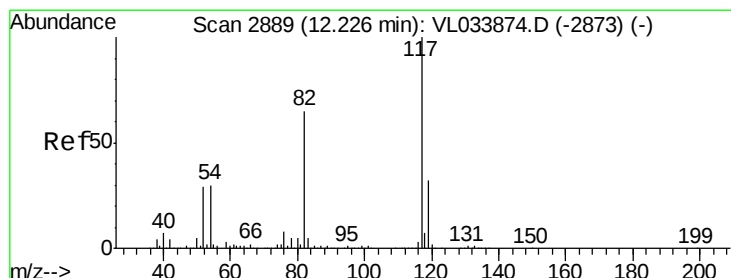
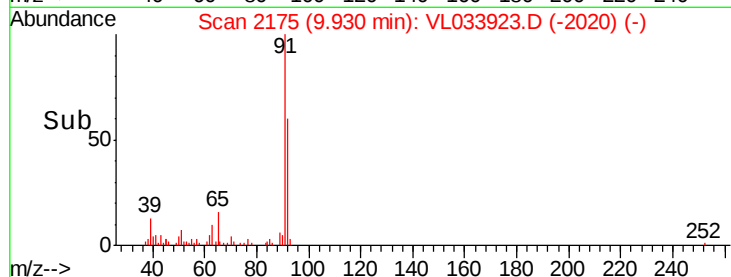
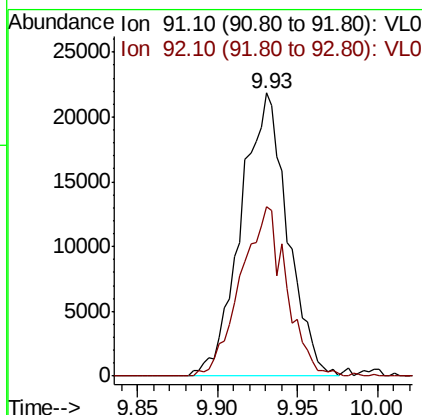
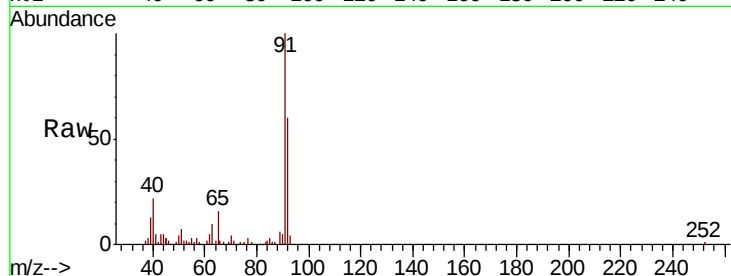
#53
Toluene
Concen: 0.205 ppbv
RT: 9.93 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL033923.D
Acq: 14 Jun 2019 8:04

Instrument :
MSVOA_L
ClientSampled :
V1DL

Tgt Ion: 91 Resp: 43641
Ion Ratio Lower Upper
91 100
92 59.0 47.0 70.6

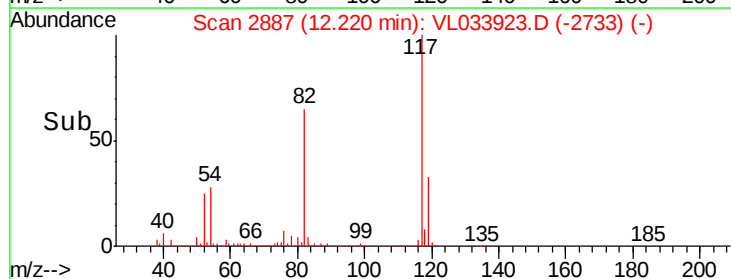
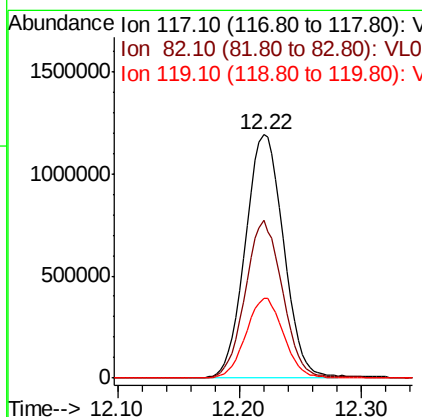
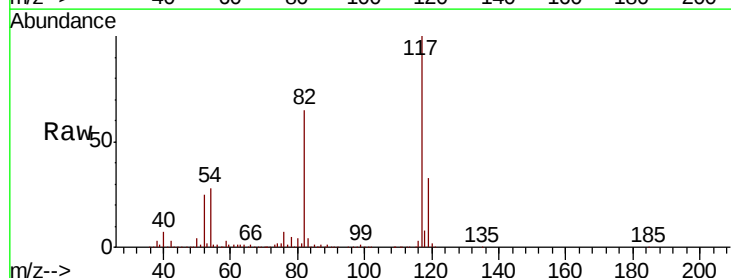
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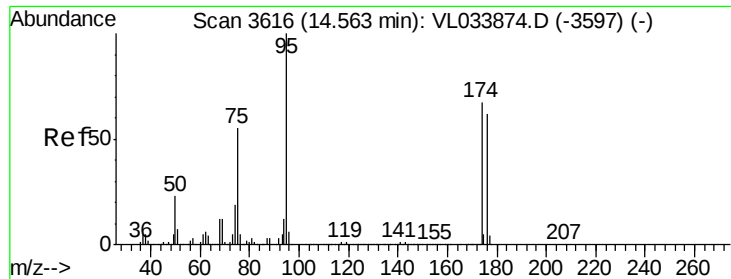
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033923.D
Acq: 14 Jun 2019 8:04

Tgt Ion: 117 Resp: 2579822
Ion Ratio Lower Upper
117 100
82 63.5 50.2 75.2
119 32.5 24.8 37.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.945 ppbv
 RT: 14.56 min Scan# 3614
 Delta R.T. -0.01 min
 Lab File: VL033923.D
 Acq: 14 Jun 2019 8:04

Instrument :
 MSVOA_L
 ClientSampleId :
 V1DL

Tgt Ion: 95 Resp: 1895428
 Ion Ratio Lower Upper
 95 100
 174 70.6 54.0 81.0
 175 5.2 3.8 5.8

Manual Integrations
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