

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033009.D
 Acq On : 17 Dec 2018 23:49
 Operator : SY/AP
 Sample : J6382-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-IA001-181212-01DL

Manual Integrations
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 12/19/2018 2:00:38 PM

Quant Time: Dec 19 15:34:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1217546	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3023470	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3239810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2411761	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds						Ovalue
13) Ethanol	3.65	45	266643	21.240	ppbv	95
22) trans-1,2-Dichloroethene	4.97	96	14023	0.221	ppbv #	89
26) Hexane	5.79	57	119957	1.052	ppbv #	44
36) Benzene	7.01	78	125204	0.563	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	268862	0.712	ppbv	94
53) Toluene	9.95	91	710632	3.013	ppbv	99
58) Ethyl Benzene	12.88	91	87666m	0.254	ppbv	
59) m/p-Xylene	13.13	91	380060m	1.213	ppbv	
60) o-Xylene	13.86	91	89535	0.283	ppbv	99

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

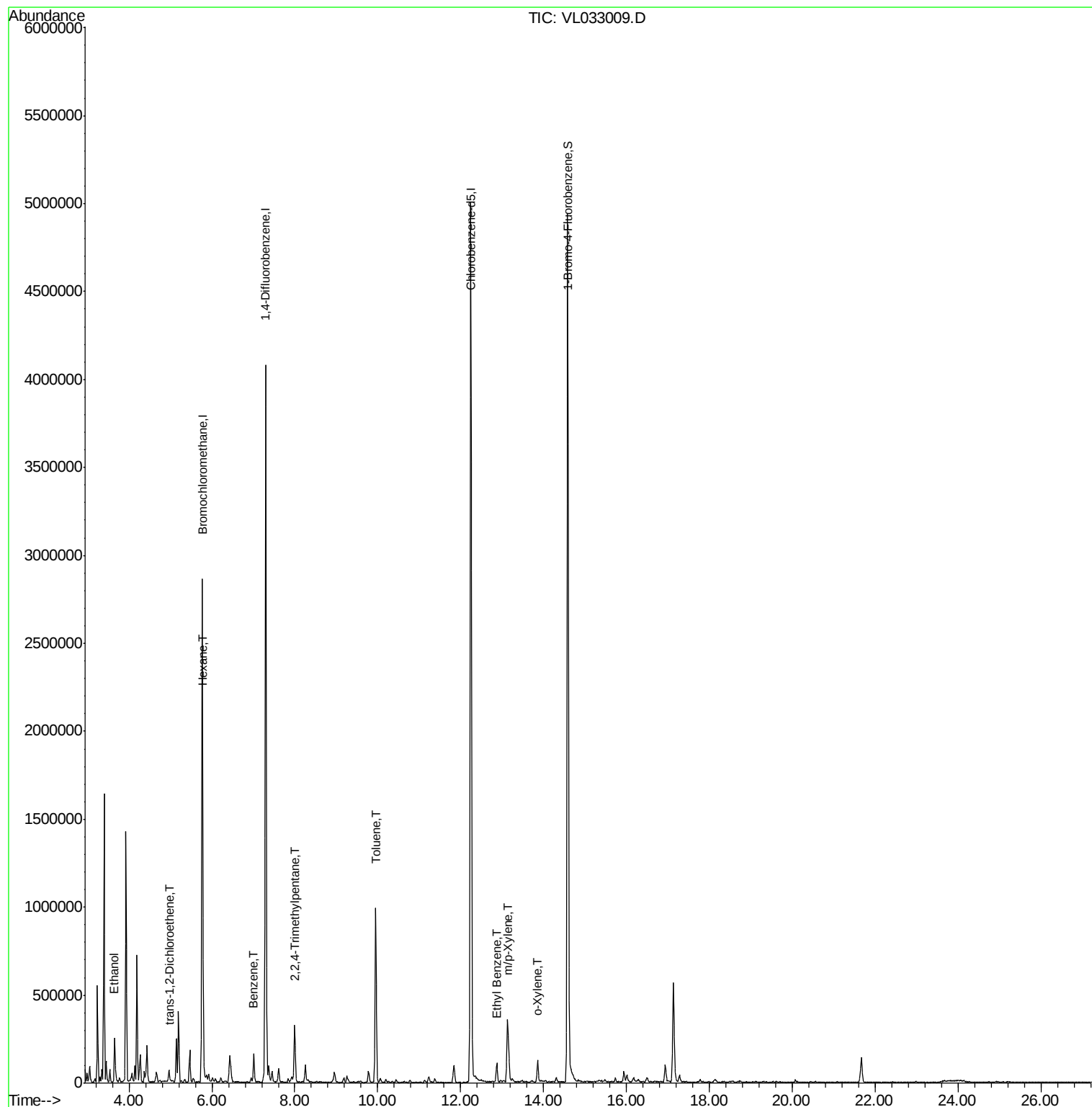
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Data File : VL033009.D
Acq On : 17 Dec 2018 23:49
Operator : SY/AP
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033009.D

Acq: 17 Dec 2018 23:49

Instrument :

MSVOA_L

ClientSampleId :

P0068-IA001-181212-01DL

Tot Ion: 49 Resp: 1217546

Ion Ratio Lower Upper

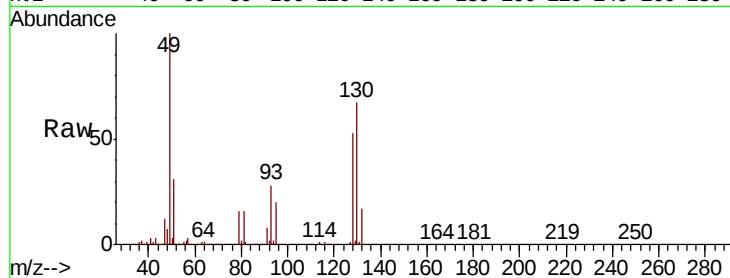
49 100

128 53.0 26.3 78.8

130 68.1 33.9 101.7

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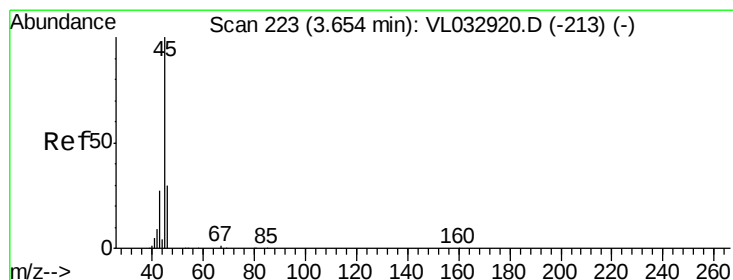
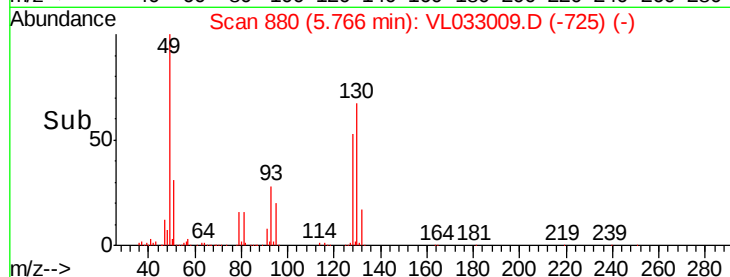
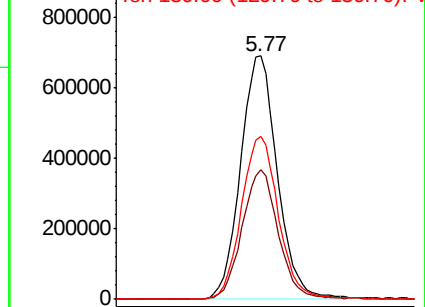
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 21.240 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033009.D

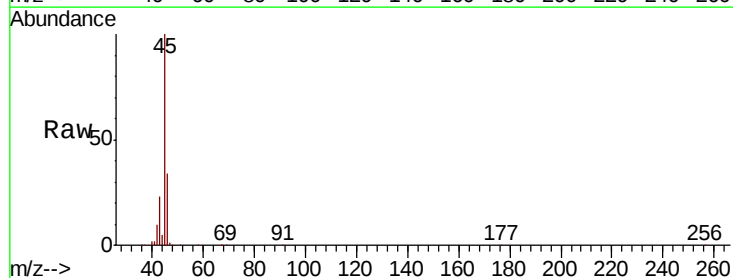
Acq: 17 Dec 2018 23:49

Tgt Ion: 45 Resp: 266643

Ion Ratio Lower Upper

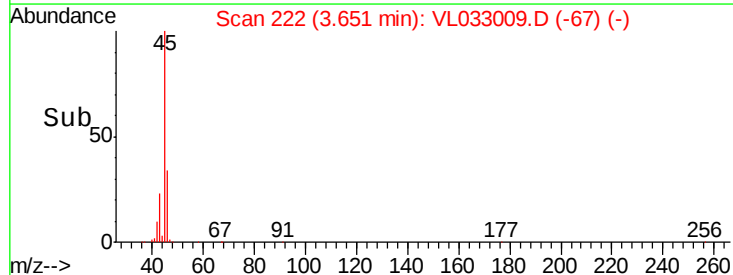
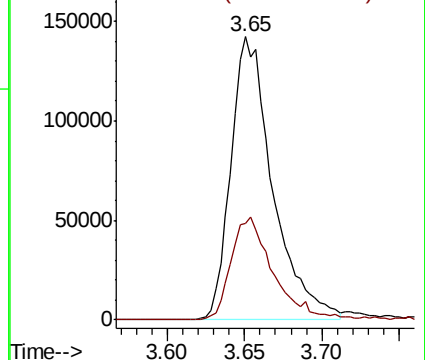
45 100

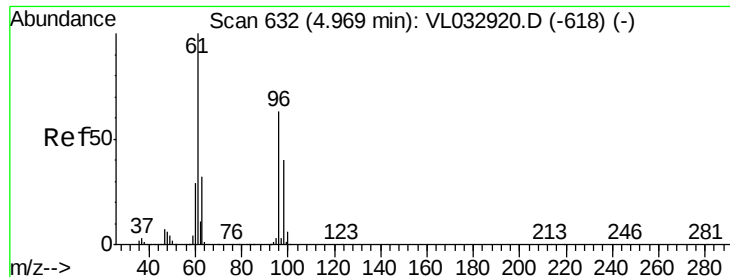
46 37.5 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.221 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL033009.D

Acq: 17 Dec 2018 23:49

Instrument :

MSVOA_L

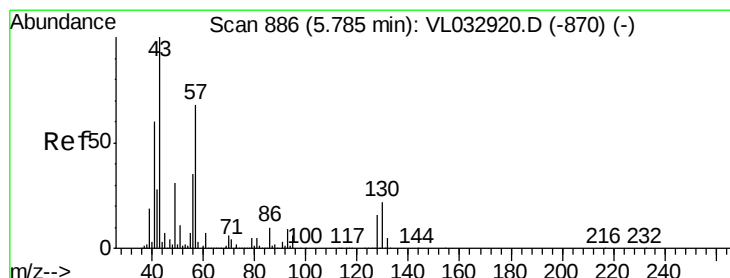
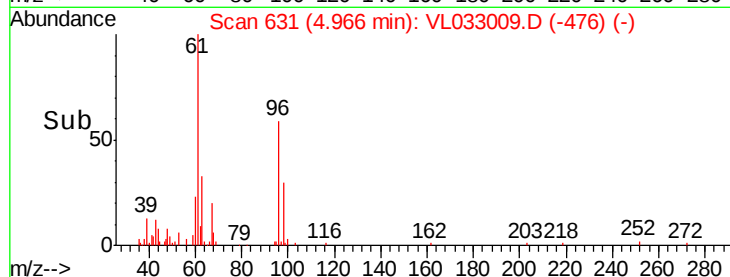
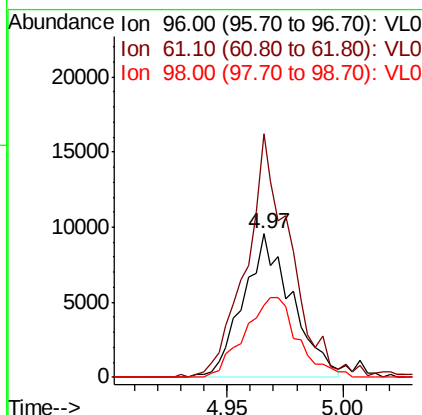
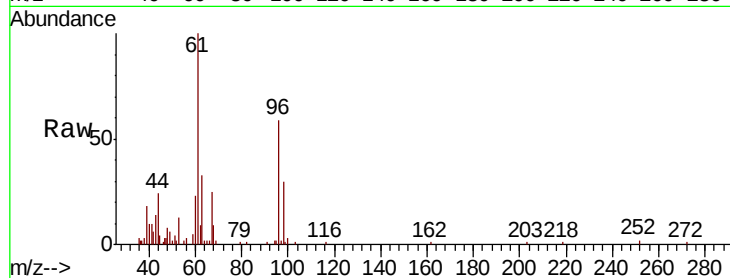
ClientSampleId :

P0068-IA001-181212-01DL

Tot Ion:	96	Resp:	14023
Ion	Ratio	Lower	Upper
96	100		
61	169.7	127.1	190.7
98	50.5	51.3	76.9#

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#26

Hexane

Concen: 1.052 ppbv

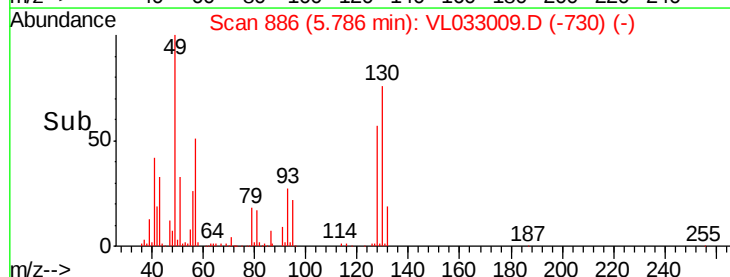
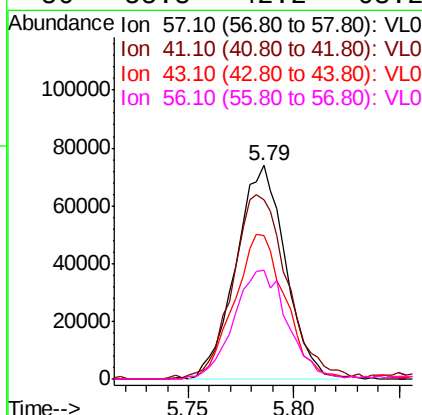
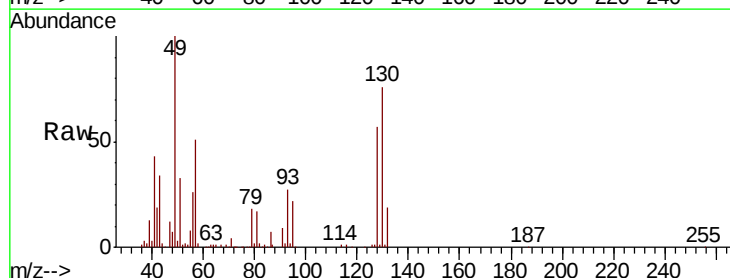
RT: 5.79 min Scan# 886

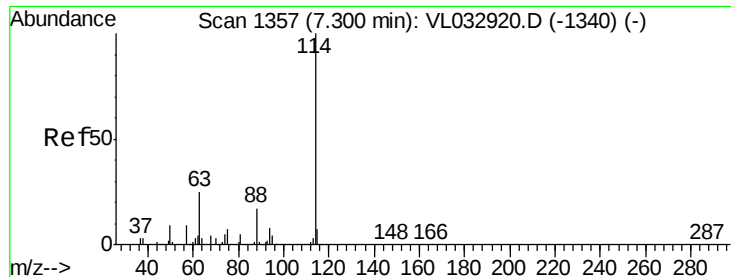
Delta R.T. 0.00 min

Lab File: VL033009.D

Acq: 17 Dec 2018 23:49

Tgt Ion:	57	Resp:	119957
Ion	Ratio	Lower	Upper
57	100		
41	95.7	72.2	108.2
43	71.9	171.9	257.9#
56	55.8	42.2	63.2





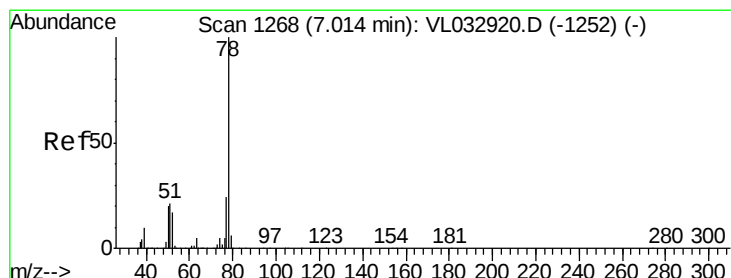
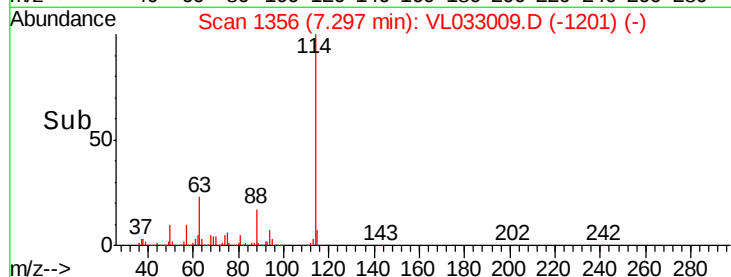
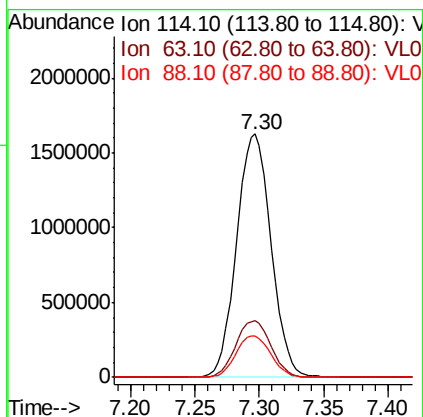
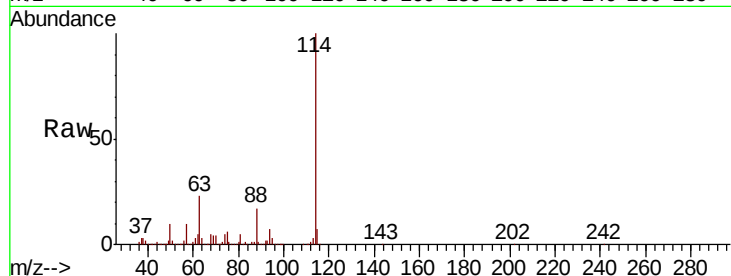
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033009.D
 Acq: 17 Dec 2018 23:49

Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-IA001-181212-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	20.1	30.1
88	17.4	14.2	21.4

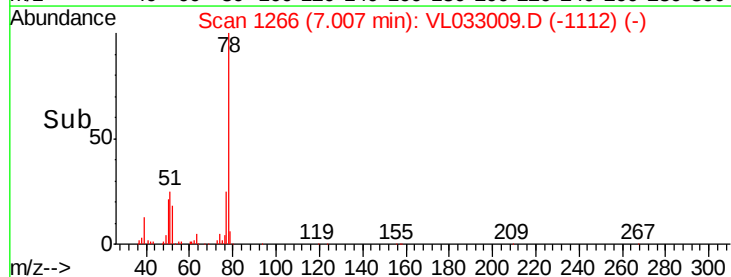
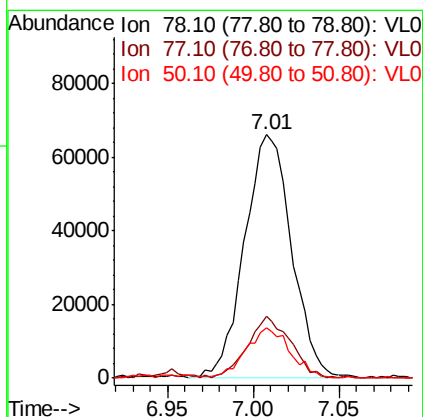
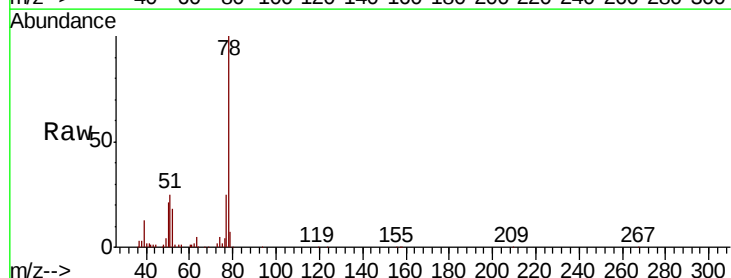
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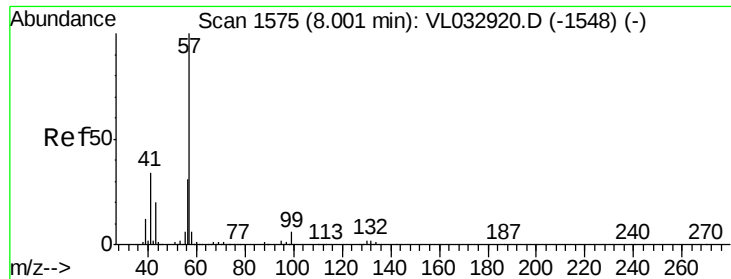
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#36
 Benzene
 Concen: 0.563 ppbv
 RT: 7.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VL033009.D
 Acq: 17 Dec 2018 23:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.9	28.3
50	20.5	16.1	24.1





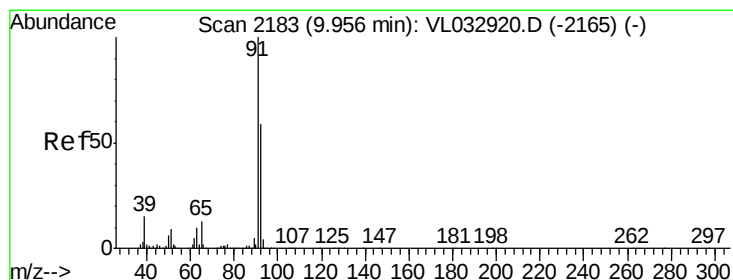
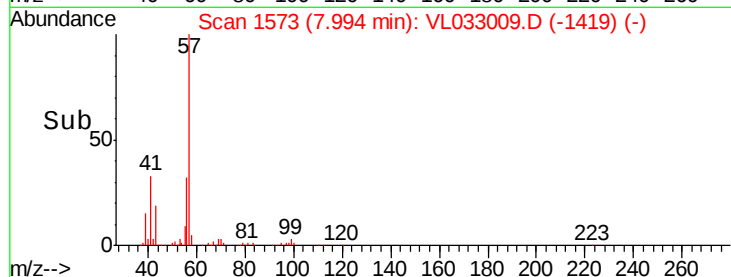
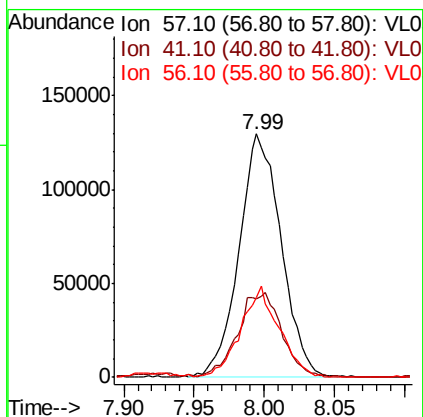
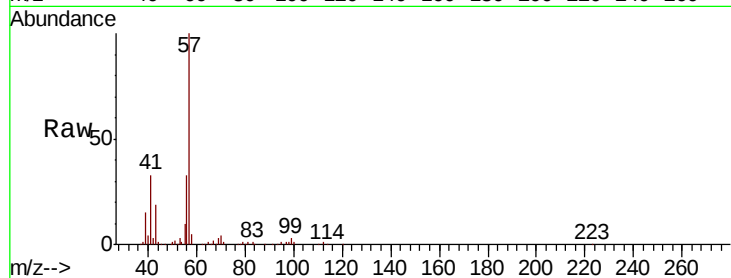
#44
 2,2,4-Trimethylpentane
 Concen: 0.712 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL033009.D
 Acq: 17 Dec 2018 23:49

Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-IA001-181212-01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	37.2	27.0	40.4
56	34.6	24.6	37.0

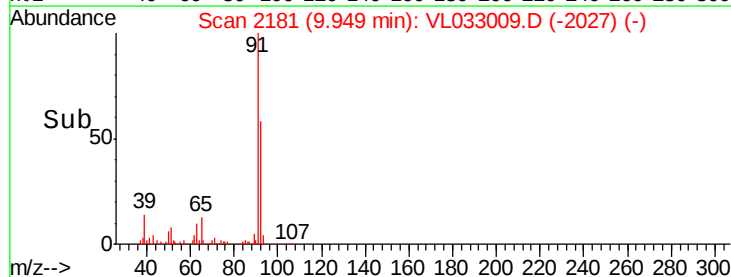
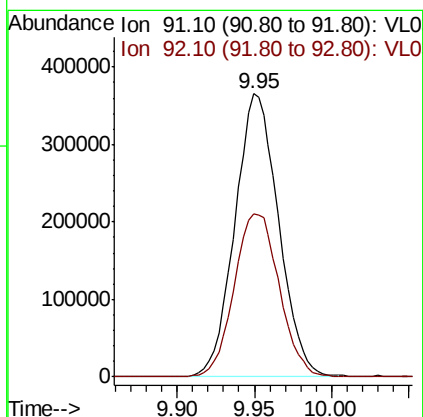
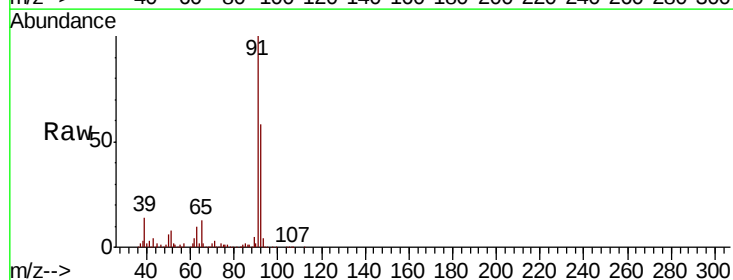
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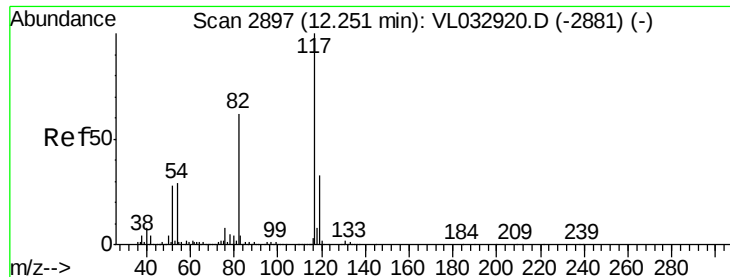
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#53
 Toluene
 Concen: 3.013 ppbv
 RT: 9.95 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: VL033009.D
 Acq: 17 Dec 2018 23:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.4	71.0





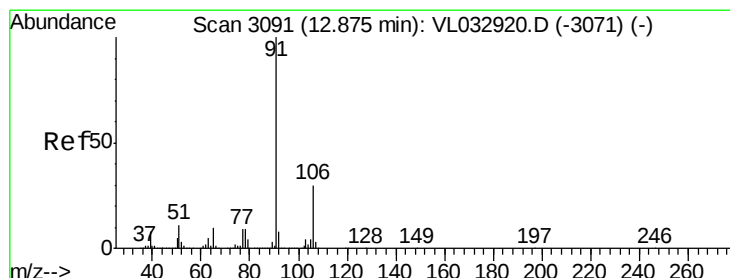
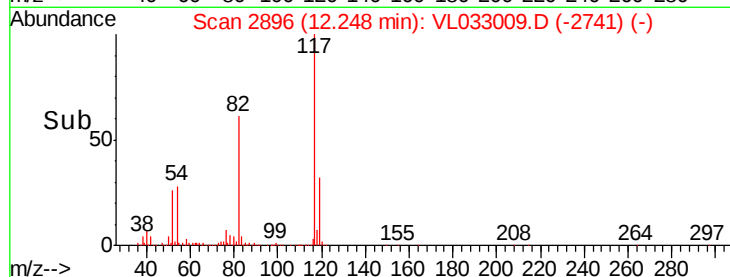
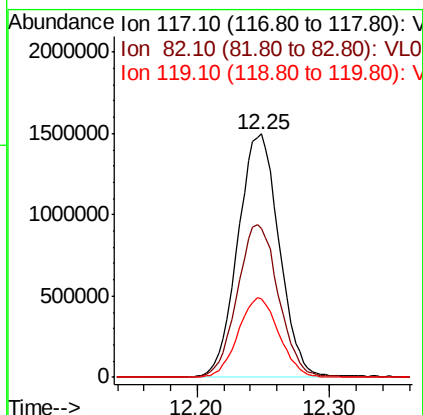
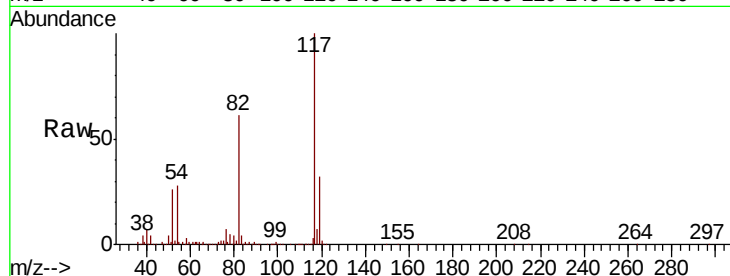
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033009.D
Acq: 17 Dec 2018 23:49

Instrument :
MSVOA_L
ClientSampleId :
P0068-IA001-181212-01DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	47.8	71.8
119	32.8	43.1	64.7#

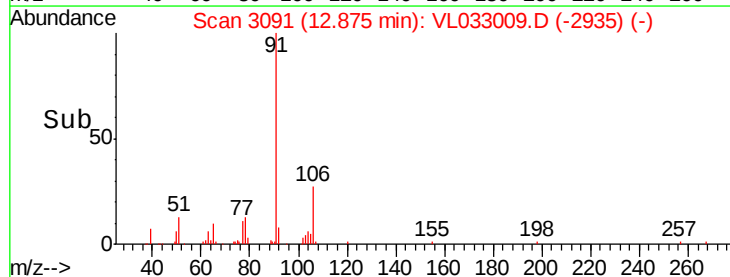
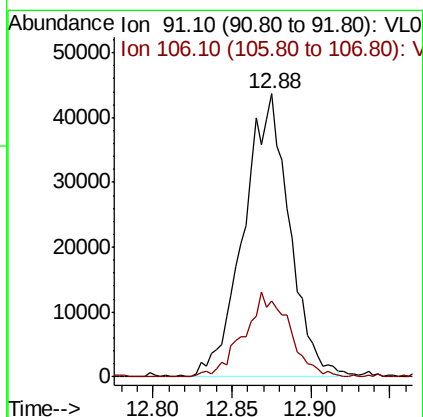
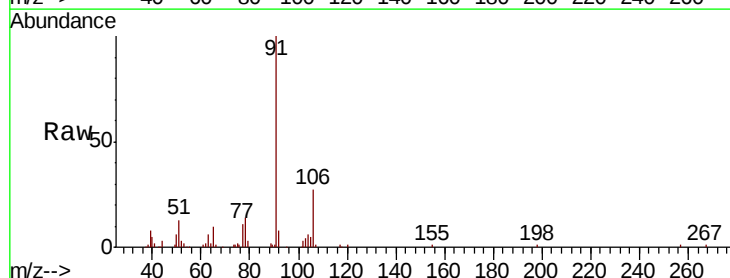
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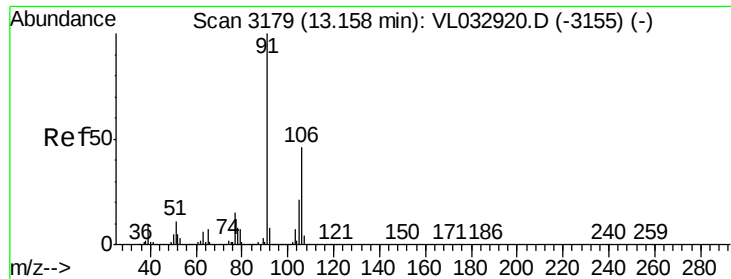
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#58
Ethyl Benzene
Concen: 0.254 ppbv m
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033009.D
Acq: 17 Dec 2018 23:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.8	23.9	35.9





#59

m/p-Xylene

Concen: 1.213 ppbv m

RT: 13.13 min Scan# 3170

Delta R.T. -0.03 min

Lab File: VL033009.D

Acq: 17 Dec 2018 23:49

Instrument :

MSVOA_L

ClientSampleId :

P0068-IA001-181212-01DL

Tot Ion: 91 Resp: 380060

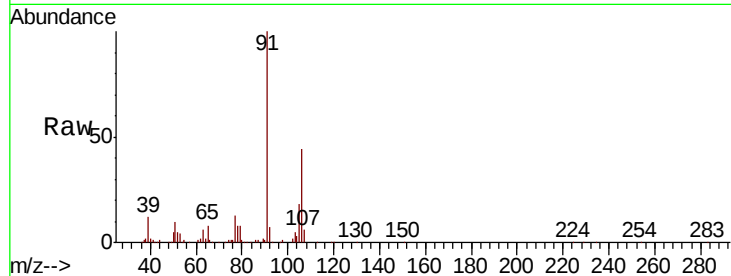
Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.13

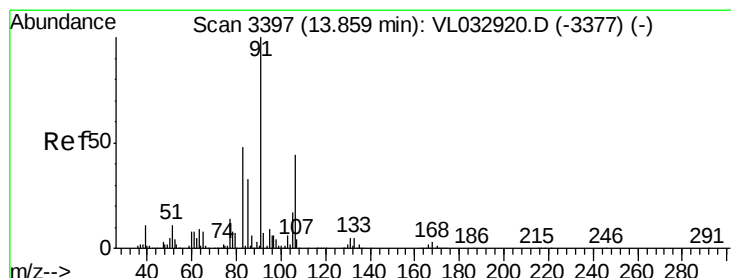
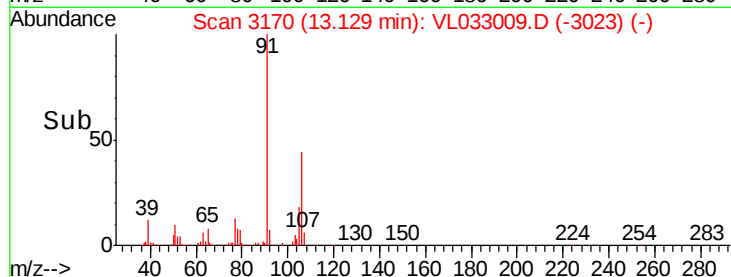
100000

50000

0

13.10 13.20

Time-->



#60

o-Xylene

Concen: 0.283 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL033009.D

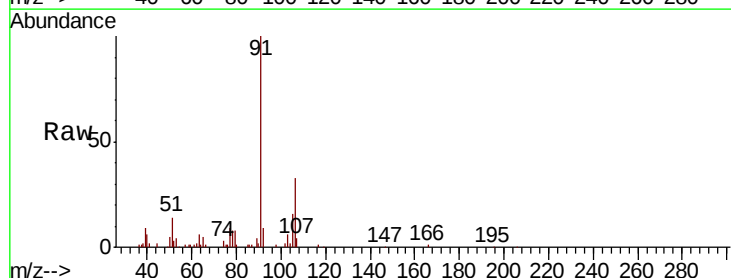
Acq: 17 Dec 2018 23:49

Tgt Ion: 91 Resp: 89535

Ion Ratio Lower Upper

91 100

106 43.6 21.9 65.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.86

50000

40000

30000

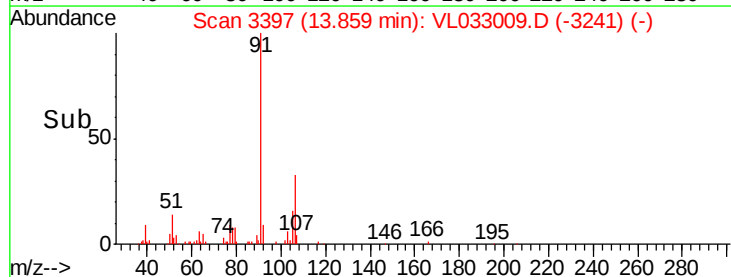
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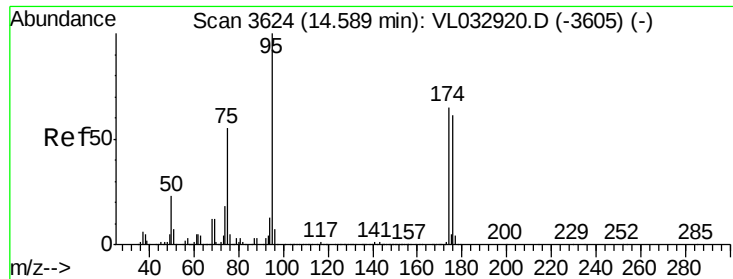
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0

13.80 13.85 13.90

Time-->





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.076 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL033009.D
 Acq: 17 Dec 2018 23:49

Instrument :
 MSVOA_L
 ClientSampleId :
 P0068-IA001-181212-01DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.1	51.4	77.0
175	4.9	3.8	5.6

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