

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032959.D
 Acq On : 11 Dec 2018 18:01
 Operator : SY/AP
 Sample : J6338-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:40 AM

Quant Time: Dec 12 01:09:54 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	5.76	49	1377304	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3317767	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3061479	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2243680	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
13) Ethanol	3.65	45	231905	16.330	ppbv 97
15) Acetone	3.92	43	78918	0.668	ppbv 95
20) Methylene Chloride	4.42	84	241779	4.185	ppbv 97
26) Hexane	5.78	57	27411	0.213	ppbv # 54
34) 2-Butanone	5.35	43	52803m	0.365	ppbv
52) Tetrachloroethene	11.38	164	106605m	1.201	ppbv
53) Toluene	9.95	91	35027m	0.135	ppbv

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

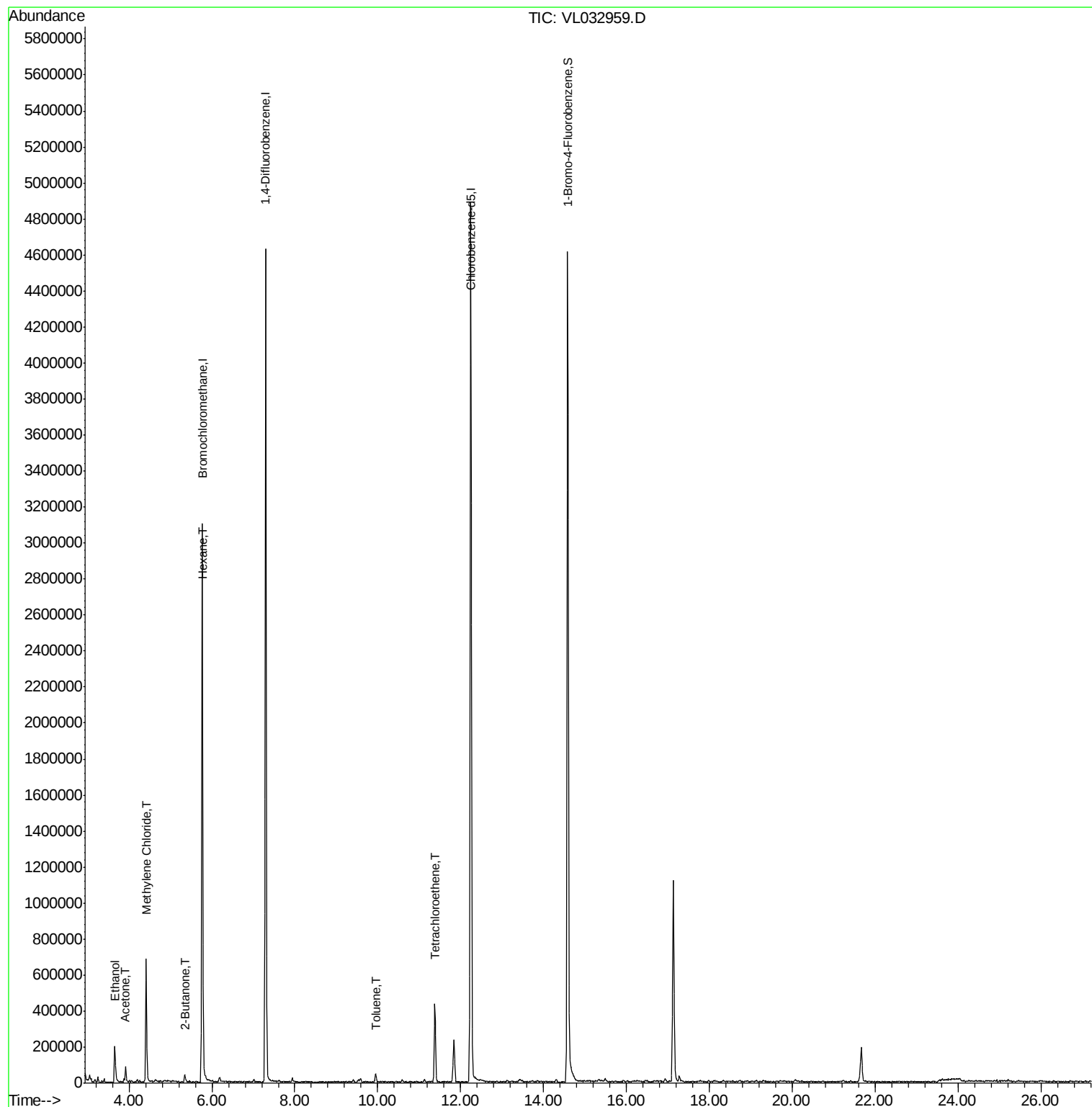
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032959.D
Acq On : 11 Dec 2018 18:01
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

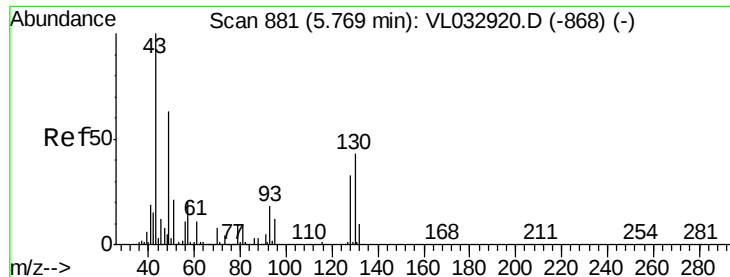
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 49 Resp: 1377304

Ion Ratio Lower Upper

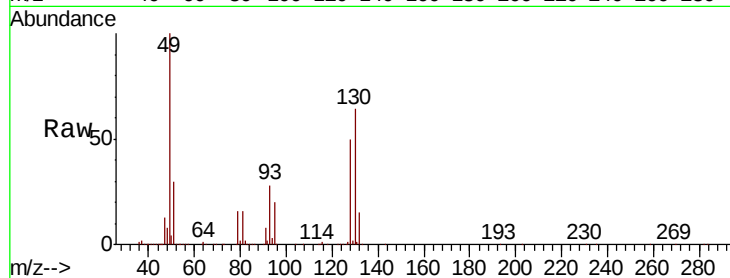
49 100

128 51.6 26.3 78.8

130 65.0 33.9 101.7

Manual Integrations
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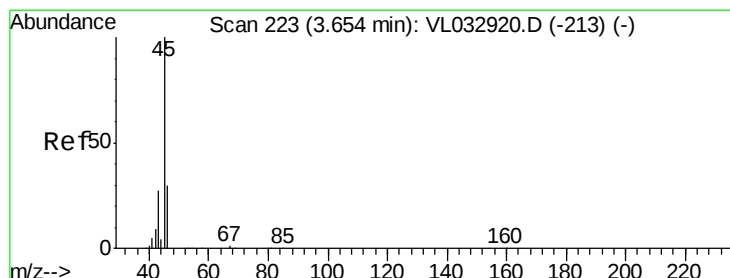
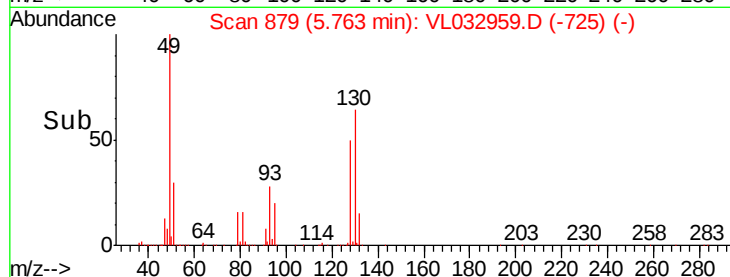
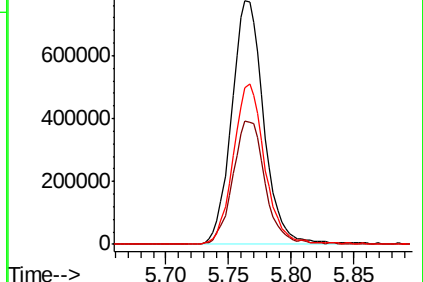
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 16.330 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL032959.D

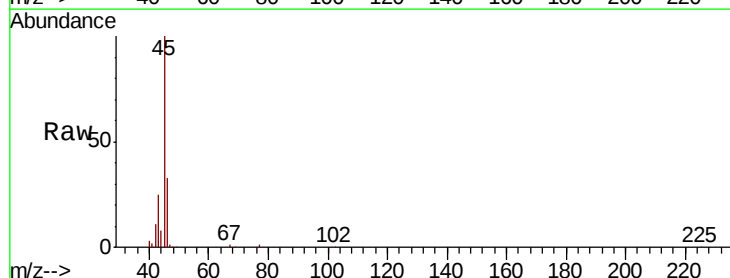
Acq: 11 Dec 2018 18:01

Tgt Ion: 45 Resp: 231905

Ion Ratio Lower Upper

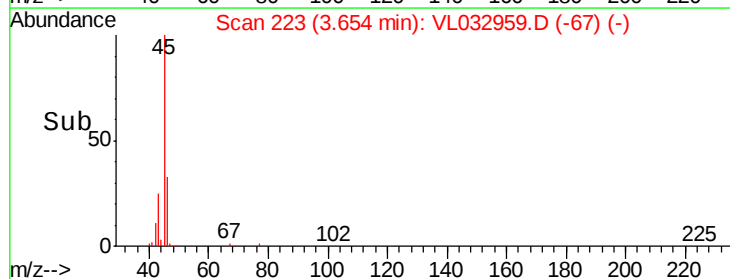
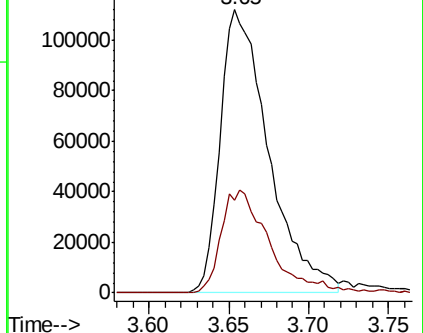
45 100

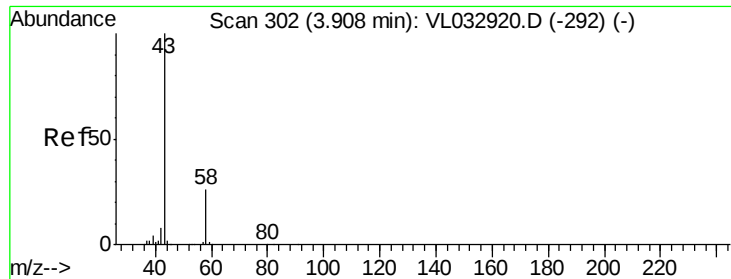
46 36.5 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.668 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 43 Resp: 78918

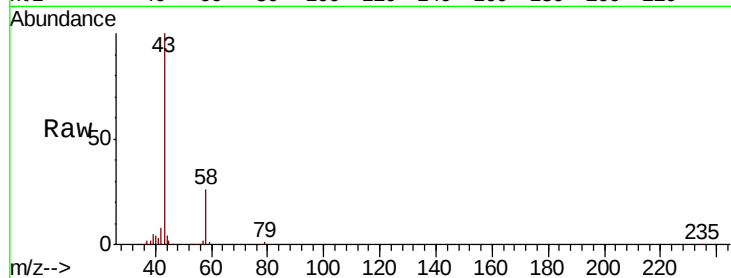
Ion Ratio Lower Upper

43 100

58 28.1 20.6 30.8

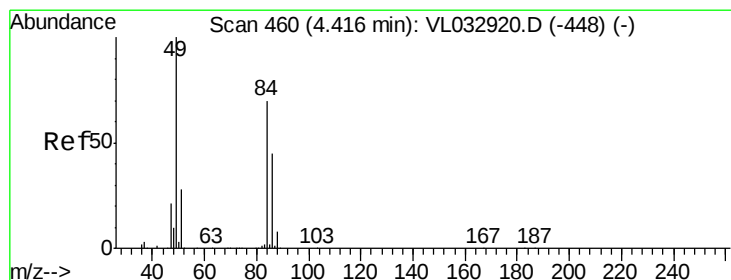
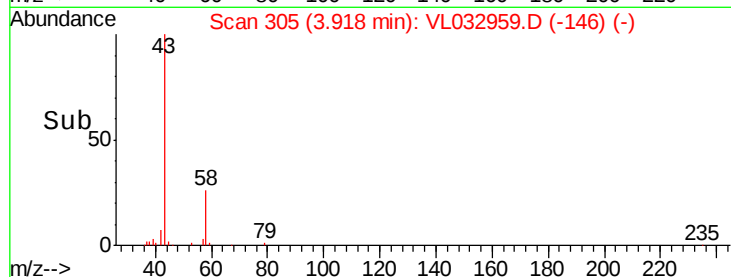
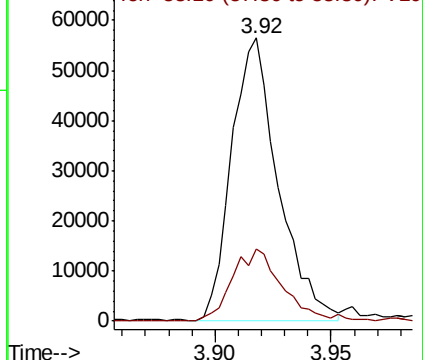
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 4.185 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Tgt Ion: 84 Resp: 241779

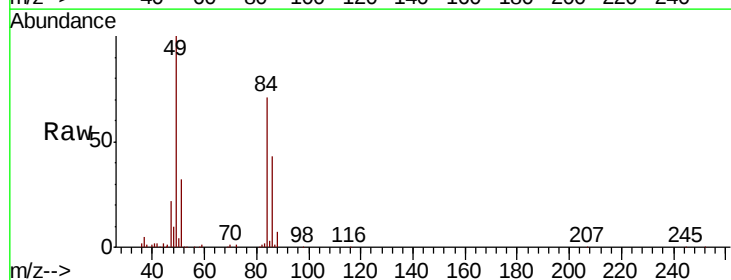
Ion Ratio Lower Upper

84 100

49 141.0 113.8 170.8

51 44.8 31.8 47.8

86 59.8 50.8 76.2

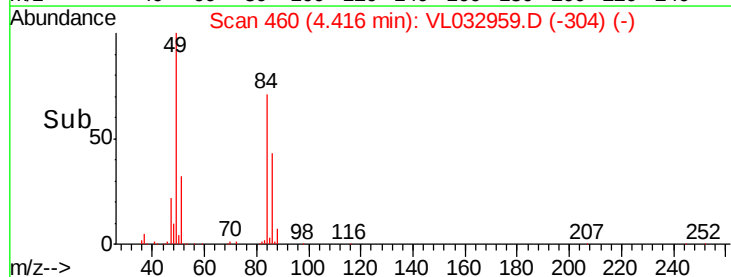
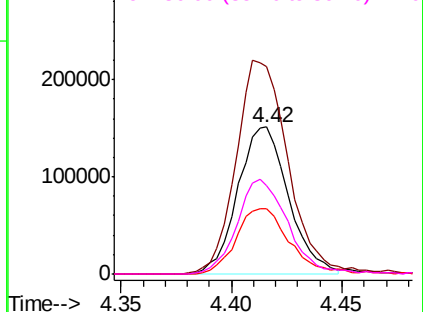


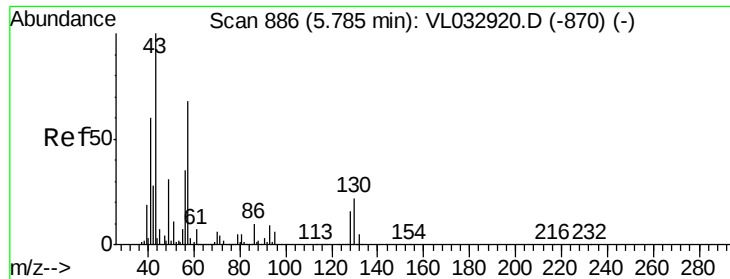
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





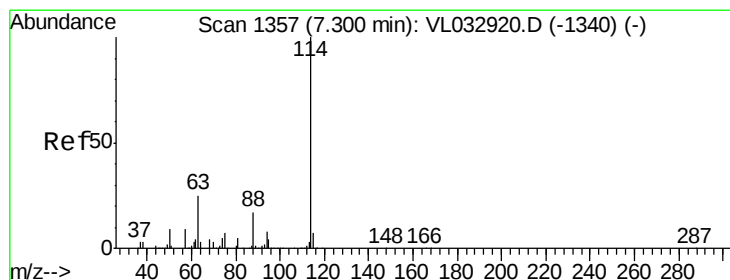
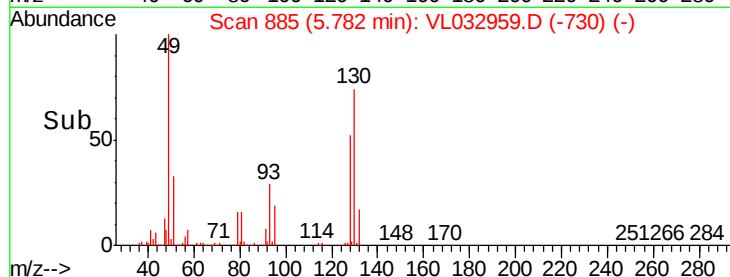
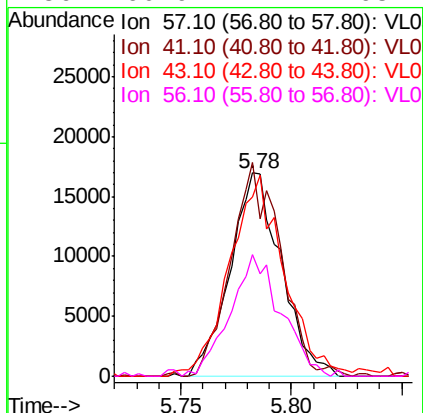
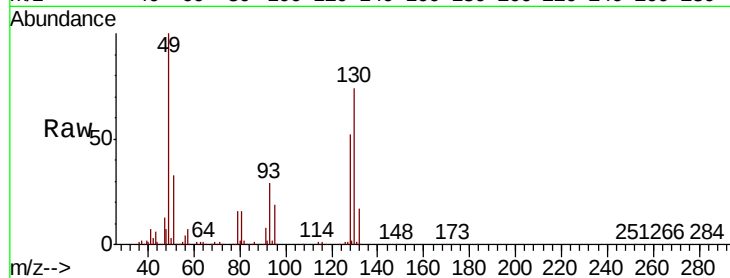
#26
Hexane
Concen: 0.213 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.9	72.2	108.2
43	106.9	171.9	257.9#
56	60.9	42.2	63.2

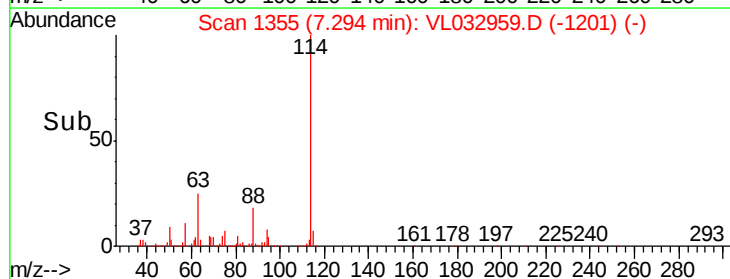
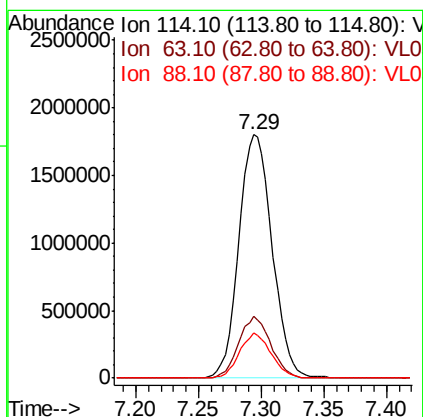
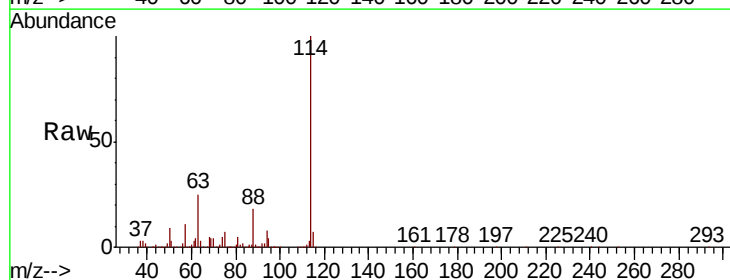
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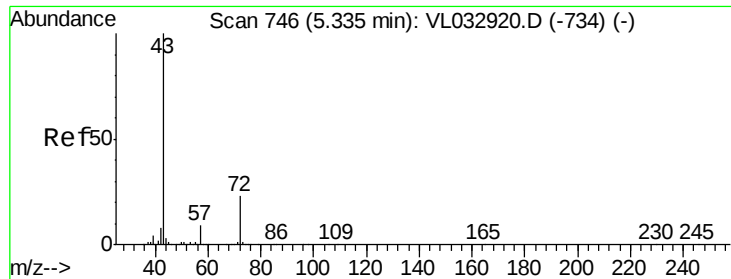
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.1	30.1
88	17.8	14.2	21.4





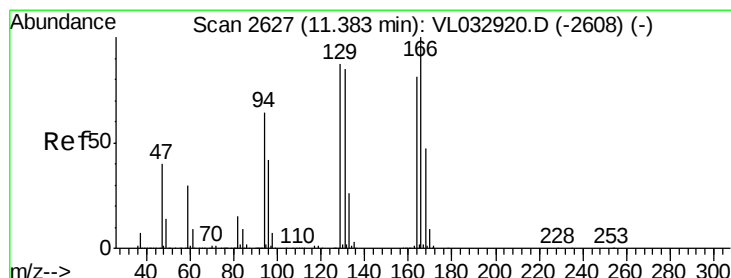
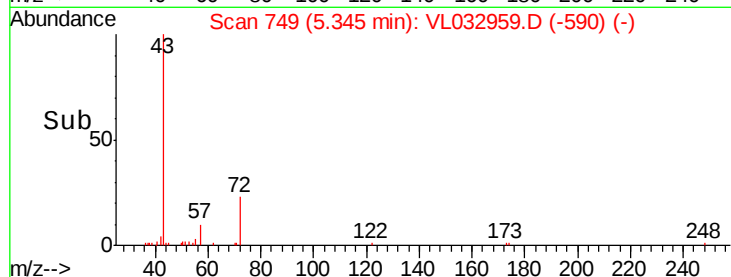
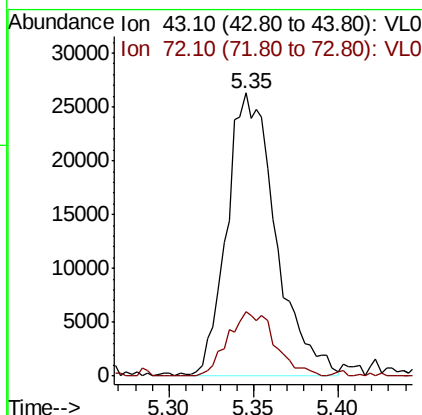
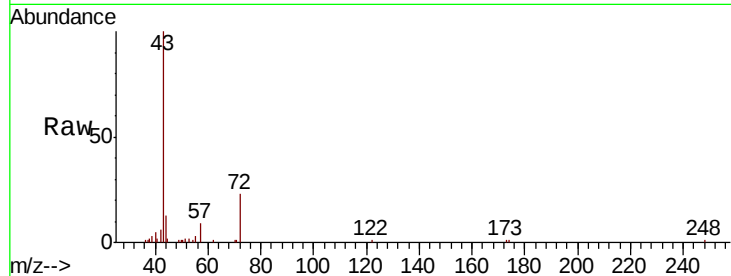
#34
2-Butanone
Concen: 0.365 ppbv m
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion: 43 Resp: 52803
Ion Ratio Lower Upper
43 100
72 22.5 18.8 28.2

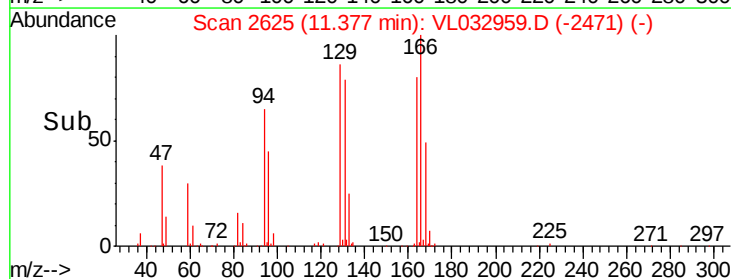
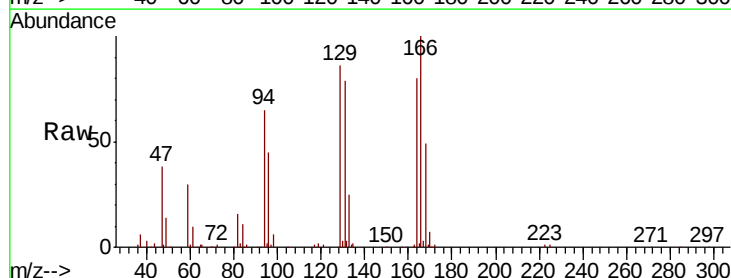
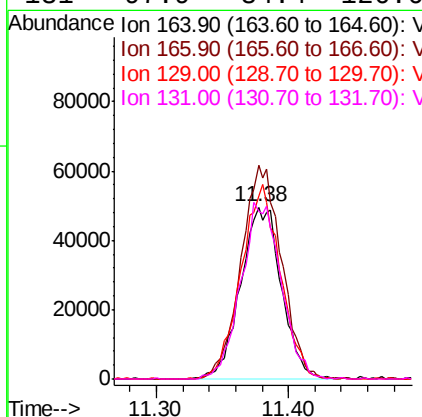
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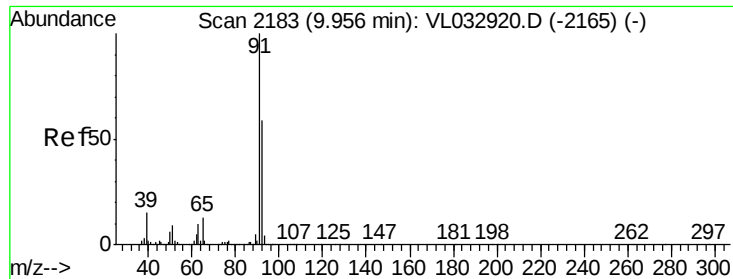
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#52
Tetrachloroethene
Concen: 1.201 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion:164 Resp: 106605
Ion Ratio Lower Upper
164 100
166 124.3 98.8 148.2
129 106.6 85.5 128.3
131 97.9 84.4 126.6





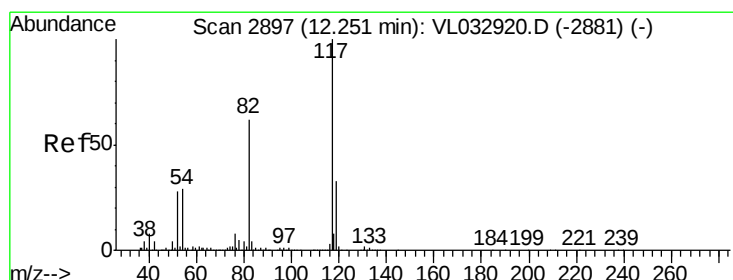
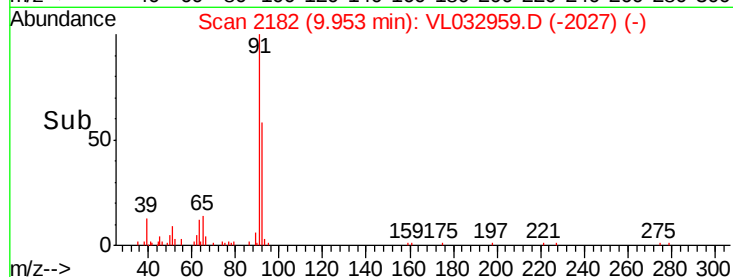
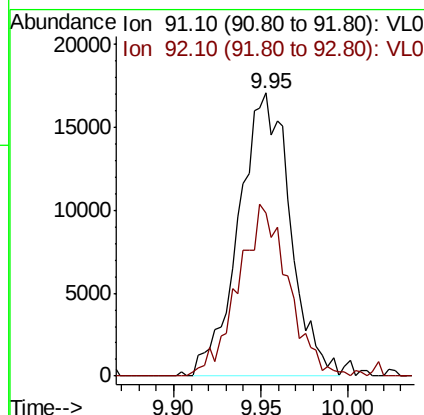
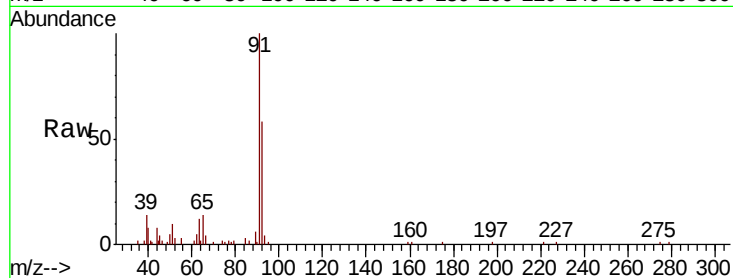
#53
Toluene
Concen: 0.135 ppbv m
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion: 91 Resp: 35027
Ion Ratio Lower Upper
91 100
92 58.5 47.4 71.0

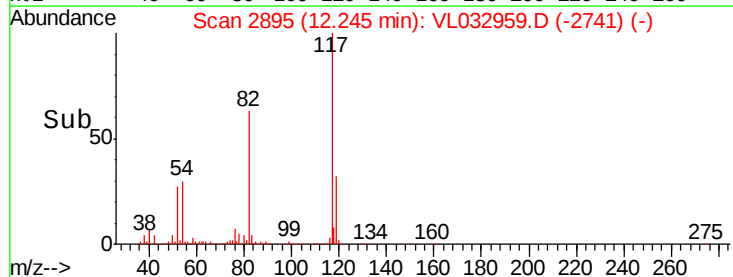
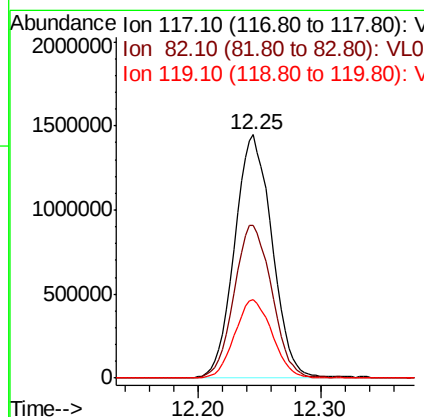
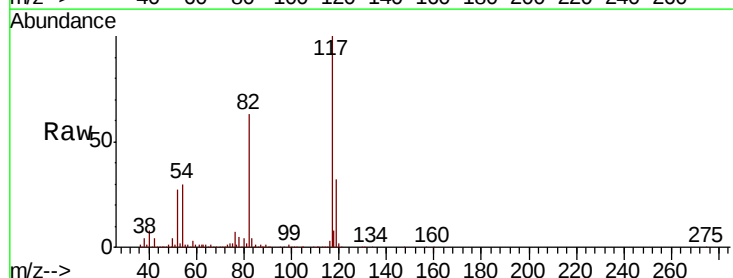
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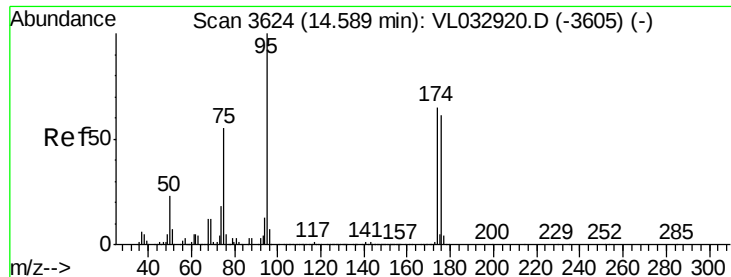
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion: 117 Resp: 3061479
Ion Ratio Lower Upper
117 100
82 64.0 47.8 71.8
119 32.8 43.1 64.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.920 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032959.D
 Acq: 11 Dec 2018 18:01

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.7	51.4	77.0
175	4.8	3.8	5.6

Manual Integrations
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