

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032979.D
 Acq On : 12 Dec 2018 10:17
 Operator : SY/AP
 Sample : J6264-14DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G3DL2

Manual Integrations
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 12/13/2018 7:58:56 AM

Quant Time: Dec 12 15:31:10 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	1074017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2664379	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2586536	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1944903	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Trichlorofluoromethane	4.01	101	24876	0.184	ppbv #	81
13) Ethanol	3.67	45	19135m	1.728	ppbv	
15) Acetone	3.91	43	456460	4.952	ppbv	100
26) Hexane	5.79	57	39235	0.390	ppbv #	40
34) 2-Butanone	5.35	43	27260	0.235	ppbv	97
53) Toluene	9.95	91	42633m	0.205	ppbv	
62) Isopropylbenzene	14.83	105	124437	0.353	ppbv	97

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

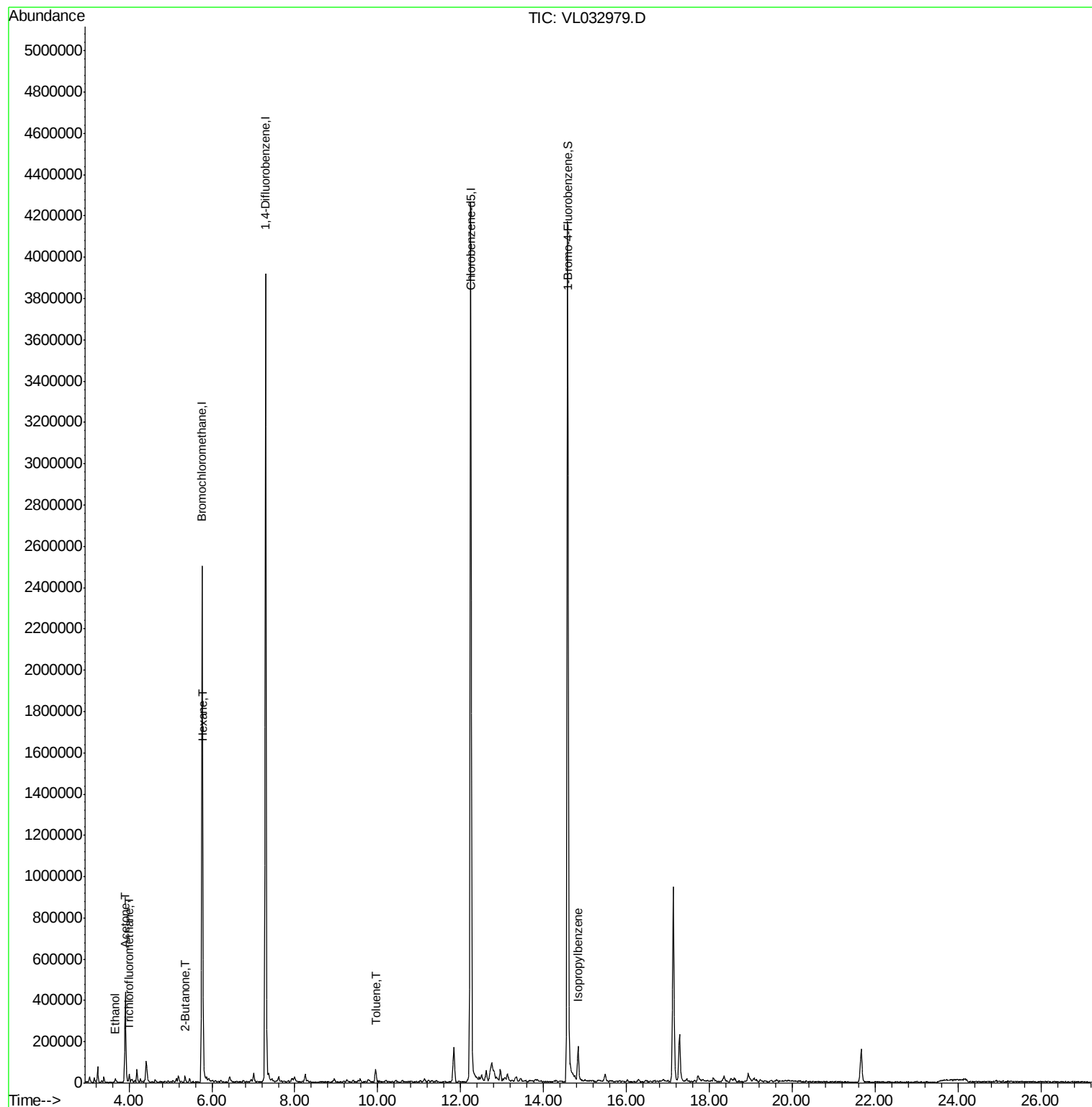
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032979.D
Acq On : 12 Dec 2018 10:17
Operator : SY/AP
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Misc : 400ml/MSVOA L
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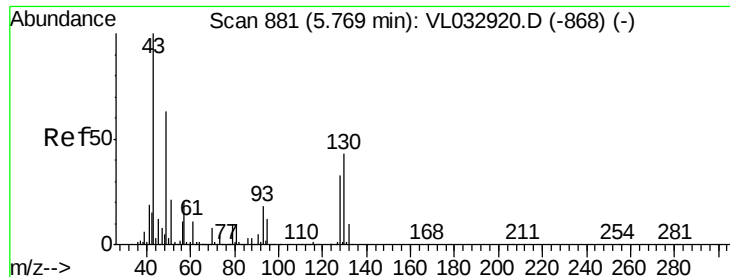
Instrument :
MSVOA_L
ClientSampleId :
A55G3DL2

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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: VL032979.D

Acq: 12 Dec 2018 10:17

Instrument :

MSVOA_L

ClientSampleId :

A55G3DL2

Tot Ion: 49 Resp: 1074017

Ion Ratio Lower Upper

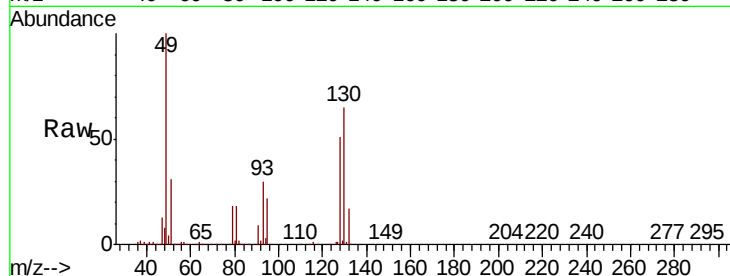
49 100

128 50.9 26.3 78.8

130 65.1 33.9 101.7

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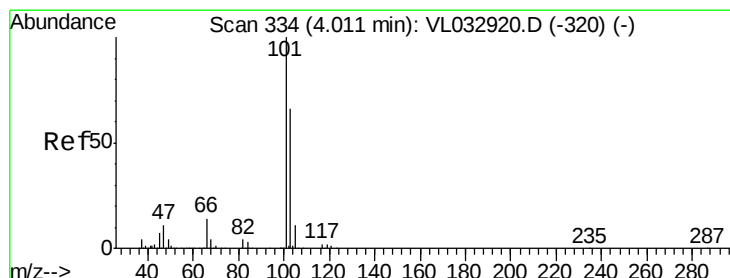
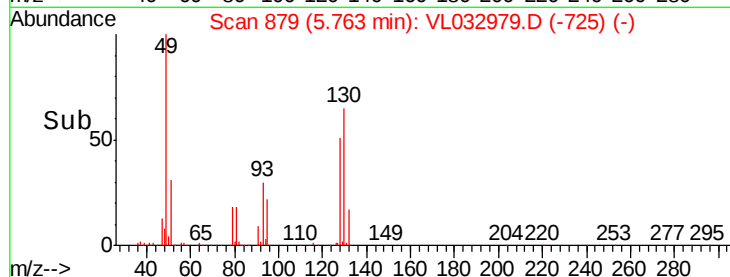
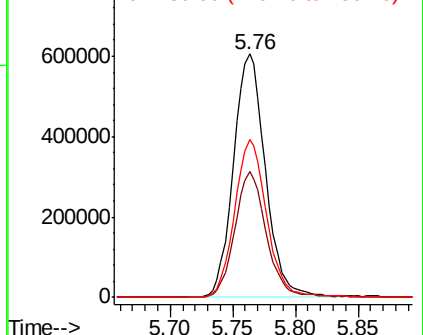
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#11

Trichlorofluoromethane

Concen: 0.184 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032979.D

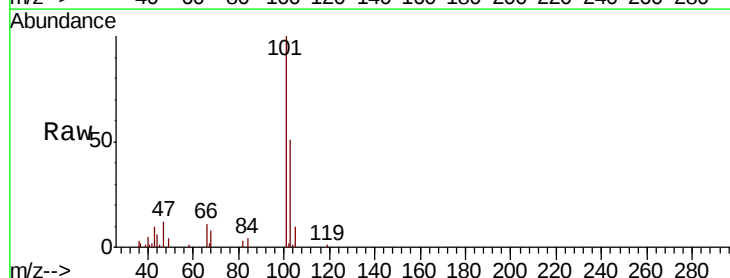
Acq: 12 Dec 2018 10:17

Tgt Ion:101 Resp: 24876

Ion Ratio Lower Upper

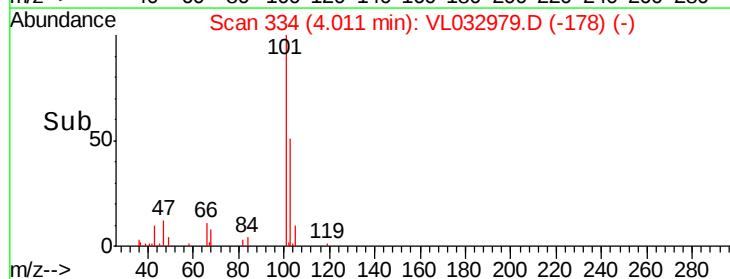
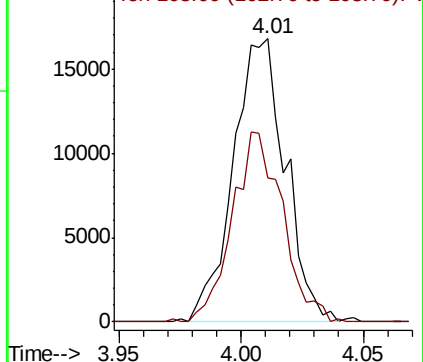
101 100

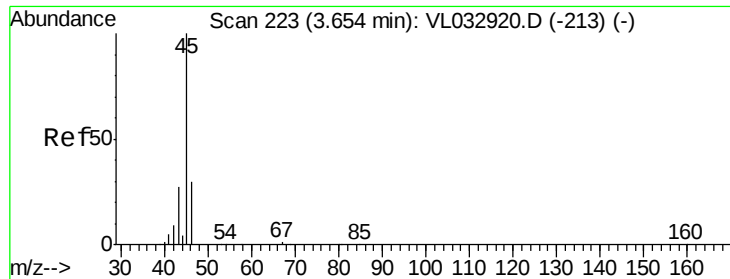
103 50.8 52.7 79.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





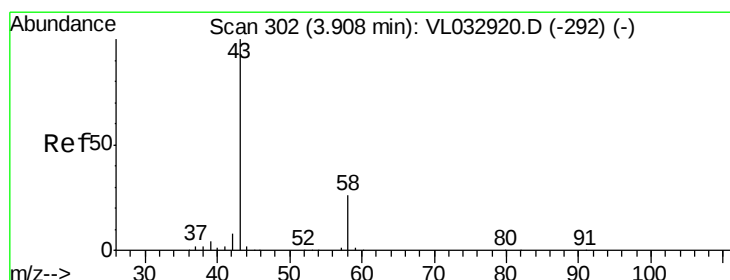
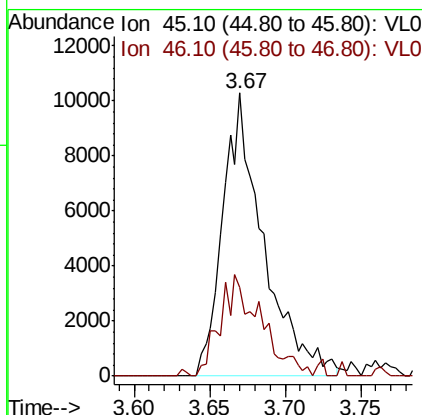
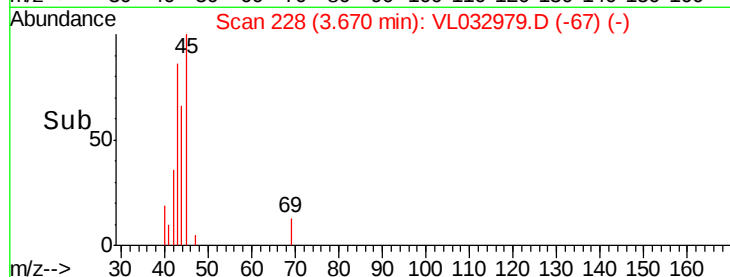
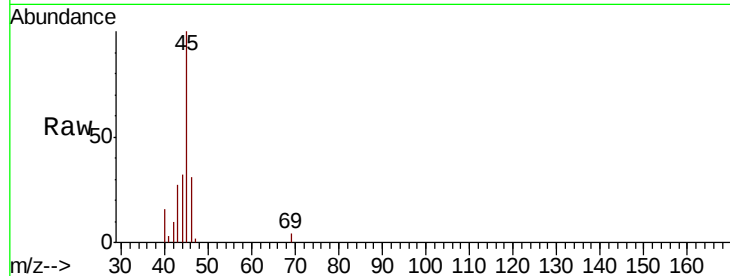
#13
Ethanol
Concen: 1.728 ppbv m
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL2

Tot Ion	45	46	Ratio	100	0.0	Resp	19135	Lower	Upper
45	100								
46		0.0				13.8		55.4#	

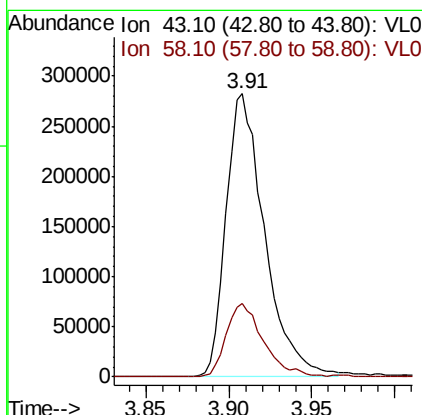
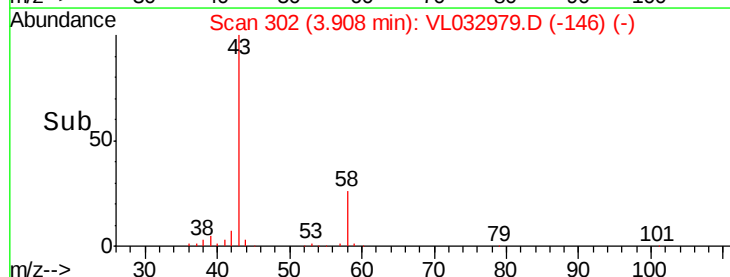
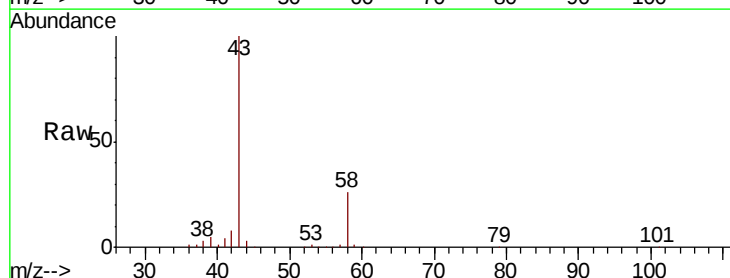
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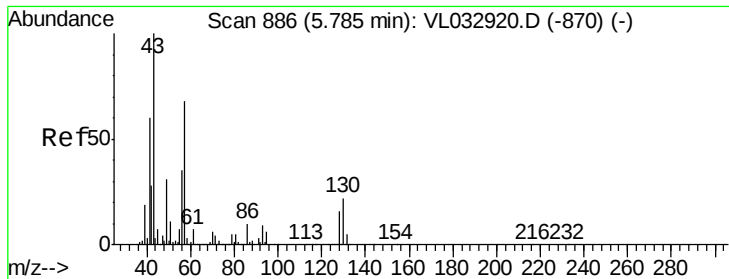
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#15
Acetone
Concen: 4.952 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Tgt Ion	43	58	Ratio	100	25.6	Resp	456460	Lower	Upper
43	100								
58		25.6				20.6		30.8	





#26

Hexane

Concen: 0.390 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL032979.D

Acq: 12 Dec 2018 10:17

Instrument :

MSVOA_L

ClientSampleId :

A55G3DL2

Tot Ion: 57 Resp: 39235

Ion Ratio Lower Upper

57 100

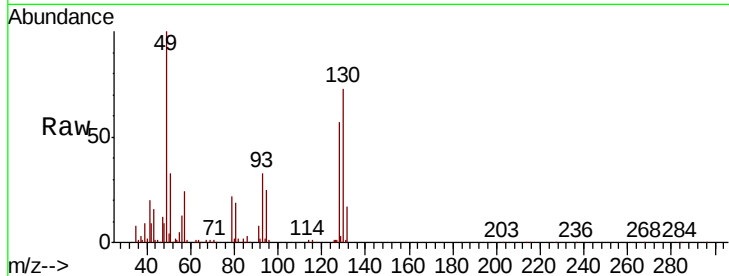
41 110.3 72.2 108.2#

43 76.8 171.9 257.9#

56 66.0 42.2 63.2#

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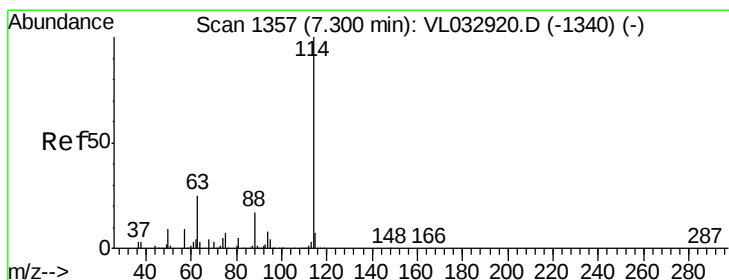
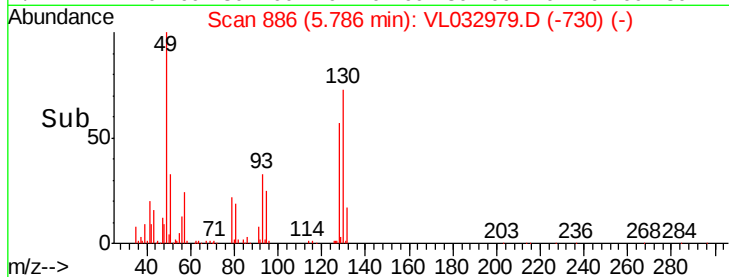
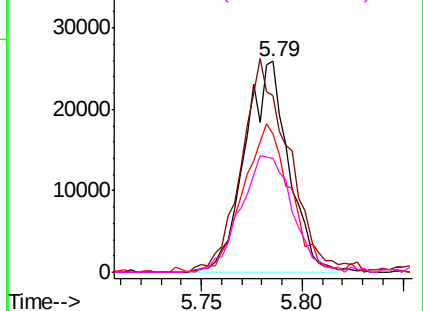
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032979.D

Acq: 12 Dec 2018 10:17

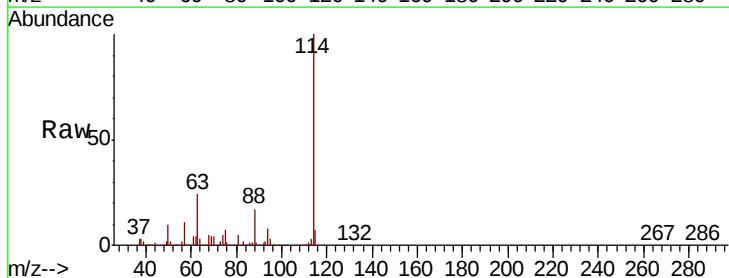
Tgt Ion: 114 Resp: 2664379

Ion Ratio Lower Upper

114 100

63 25.5 20.1 30.1

88 18.0 14.2 21.4

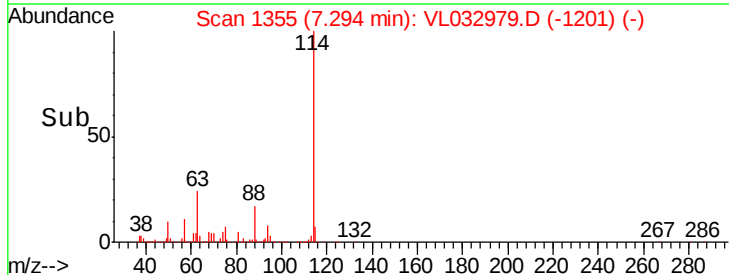
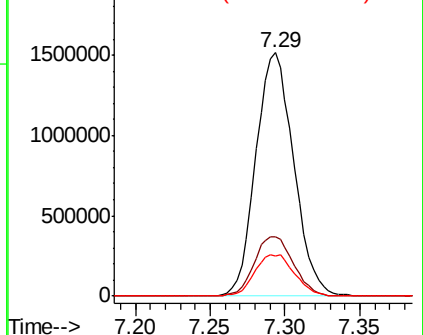


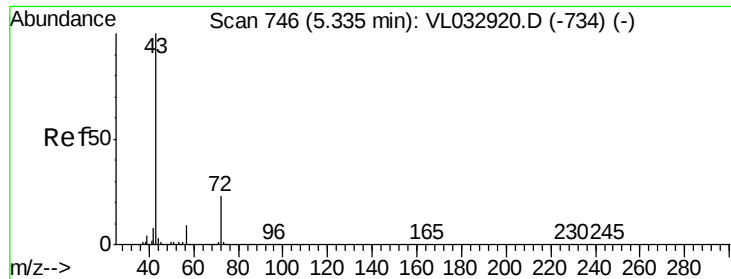
Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





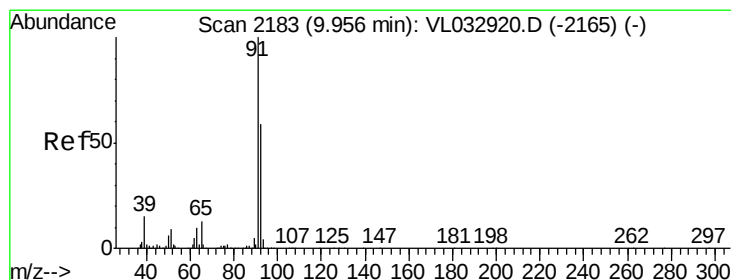
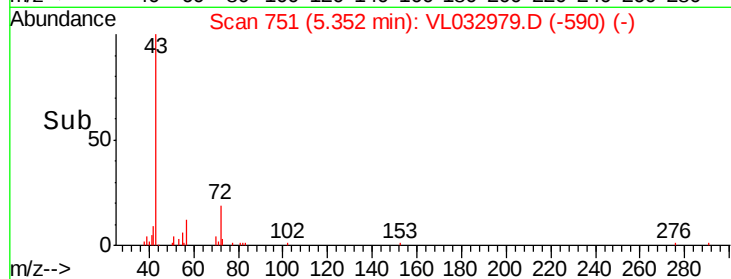
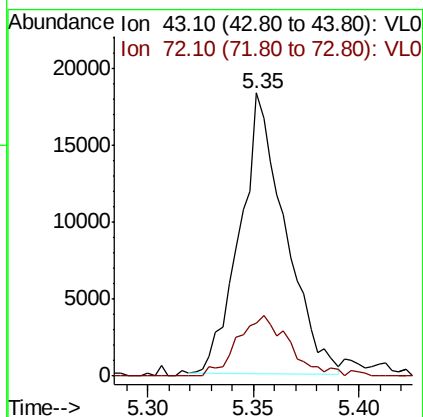
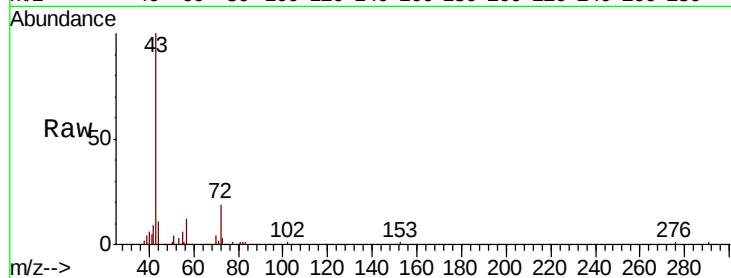
#34
2-Butanone
Concen: 0.235 ppbv
RT: 5.35 min Scan# 751
Delta R.T. 0.02 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL2

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.2	18.8	28.2

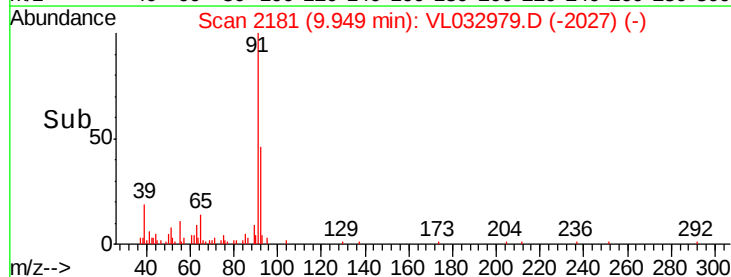
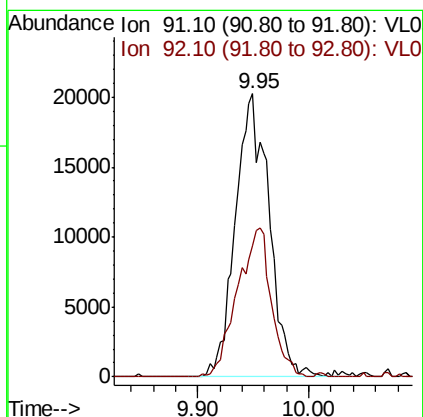
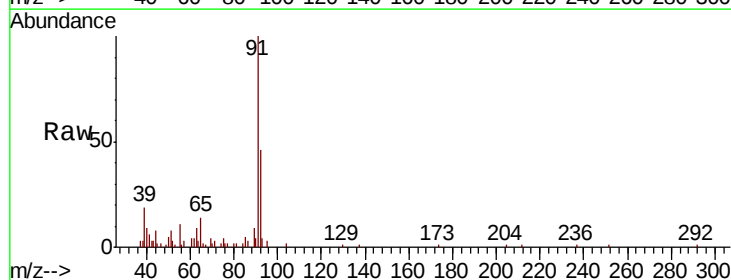
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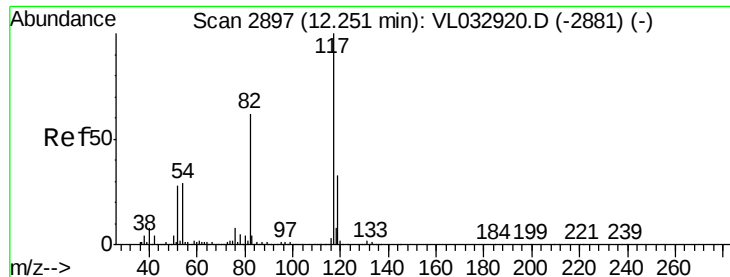
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#53
Toluene
Concen: 0.205 ppbv m
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#





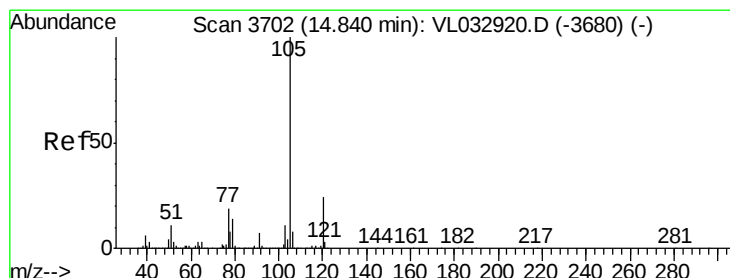
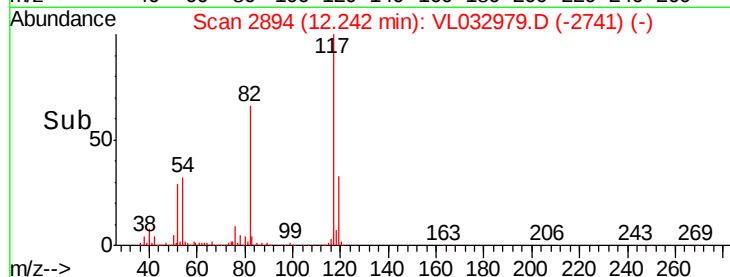
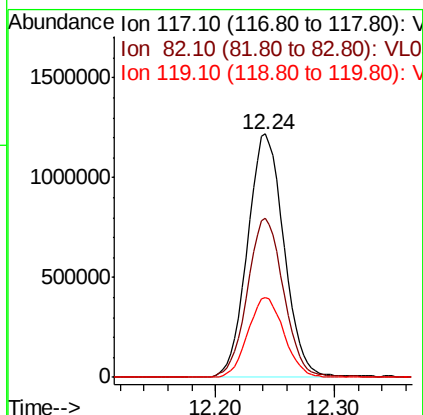
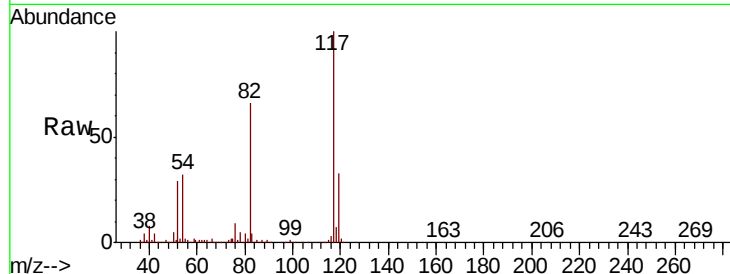
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Instrument :
MSVOA_L
ClientSampleId :
A55G3DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.7	47.8	71.8
119	32.8	43.1	64.7

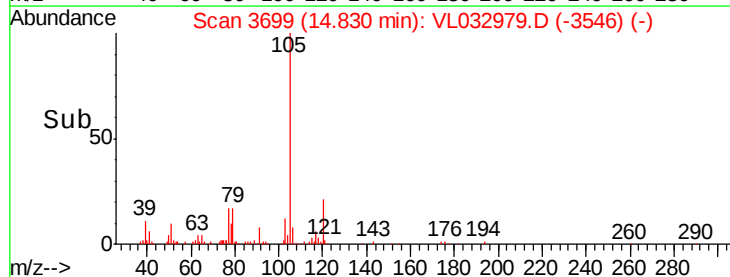
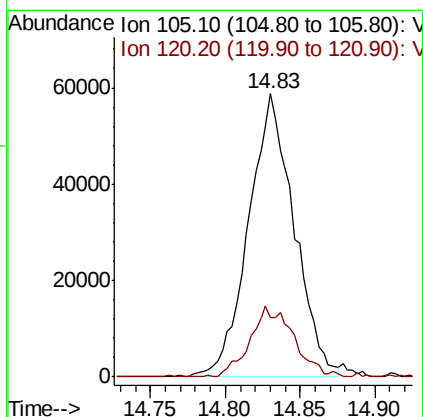
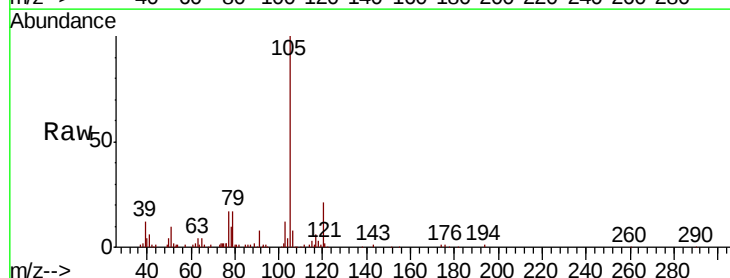
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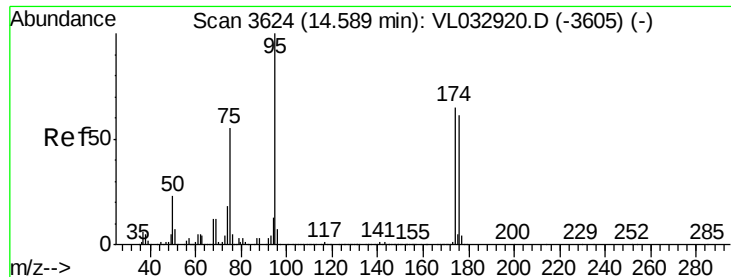
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#62
Isopropylbenzene
Concen: 0.353 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032979.D
Acq: 12 Dec 2018 10:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.3	30.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.178 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032979.D
 Acq: 12 Dec 2018 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G3DL2

Tot Ion: 95 Resp: 1944903
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.4 77.0
 175 4.7 3.8 5.6

Manual Integrations
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