

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032958.D
 Acq On : 11 Dec 2018 17:22
 Operator : SY/AP
 Sample : J6338-02DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:39 AM

Quant Time: Dec 12 01:08:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07
 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	1371081	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3196876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3159817	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2221511	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	90372	0.494	ppbv	92
3) Chlorodifluoromethane	3.02	51	47704m	0.459	ppbv	
4) Chloromethane	3.18	50	31194	0.516	ppbv	95
9) Propene	3.05	41	47518m	1.157	ppbv	
11) Trichlorofluoromethane	4.01	101	38642	0.224	ppbv	94
13) Ethanol	3.66	45	2134960	151.022	ppbv	96
15) Acetone	3.90	43	718925	6.109	ppbv	97
20) Methylene Chloride	4.41	84	1657852	28.823	ppbv	98
26) Hexane	5.78	57	204380	1.592	ppbv #	64
29) Chloroform	5.85	83	53287	0.233	ppbv	91
34) 2-Butanone	5.33	43	593357	4.261	ppbv	99
36) Benzene	7.01	78	52932	0.225	ppbv	93
41) Tetrahydrofuran	6.16	42	167409	1.933	ppbv	98
52) Tetrachloroethene	11.38	164	1398003	16.345	ppbv	98
53) Toluene	9.95	91	662461	2.656	ppbv	98
60) o-Xylene	13.86	91	38305	0.124	ppbv	94
74) 1,2,4-Trimethylbenzene	16.94	105	141777	0.373	ppbv #	63

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

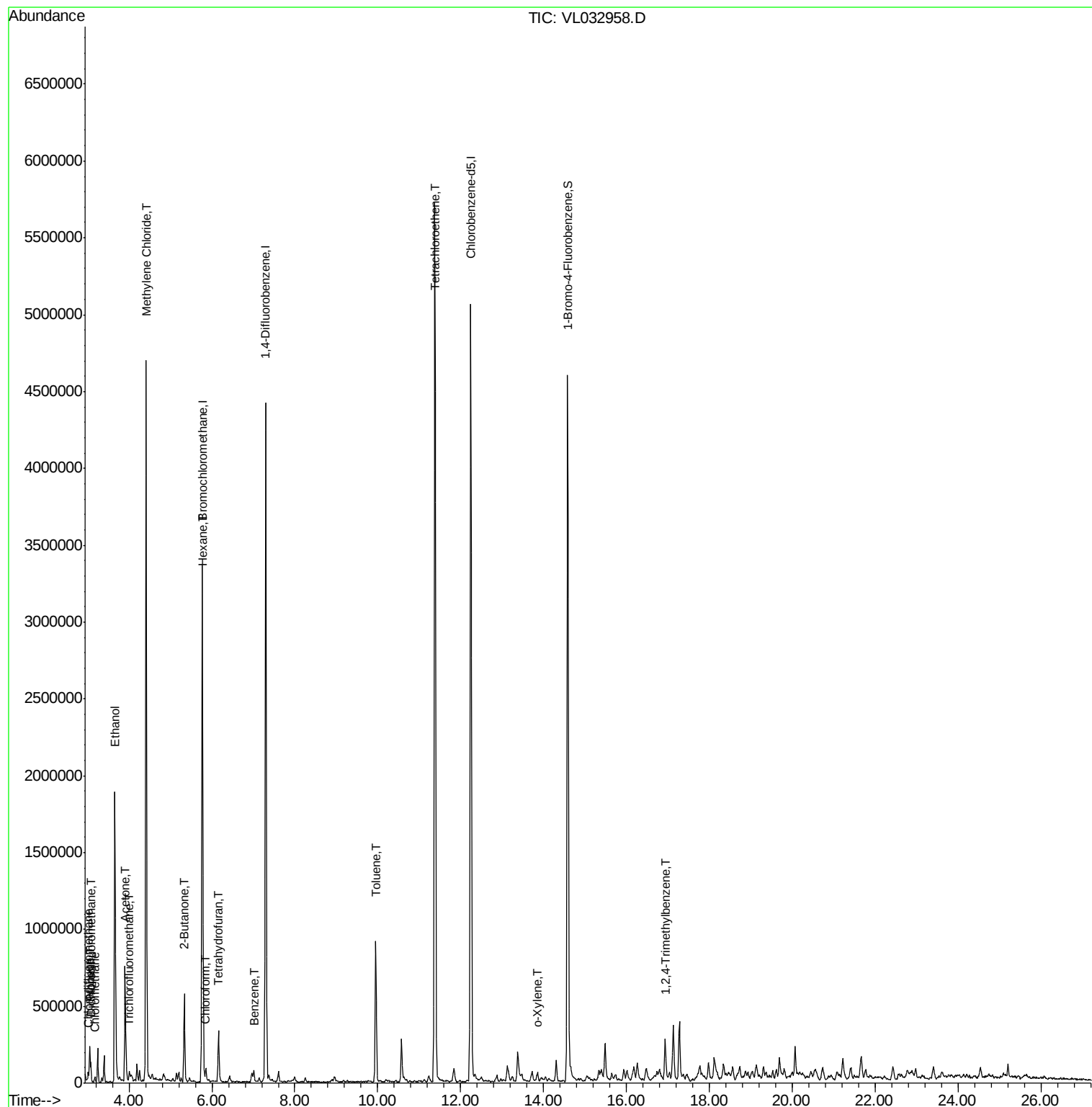
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032958.D
Acq On : 11 Dec 2018 17:22
Operator : SY/AP
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Manual Integrations
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Quant Time: Dec 12 01:08:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA 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: VL032958.D

Acq: 11 Dec 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tot Ion: 49 Resp: 1371081

Ion Ratio Lower Upper

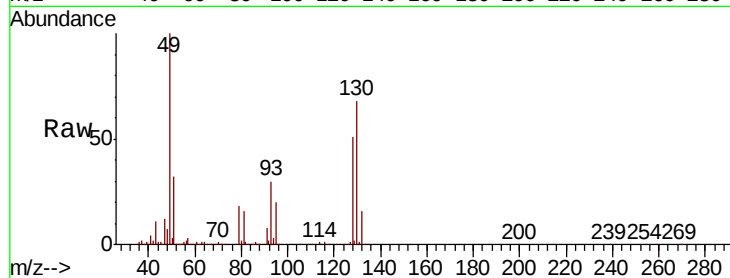
49 100

128 51.5 26.3 78.8

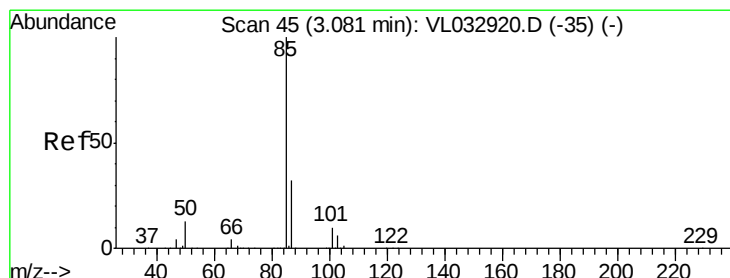
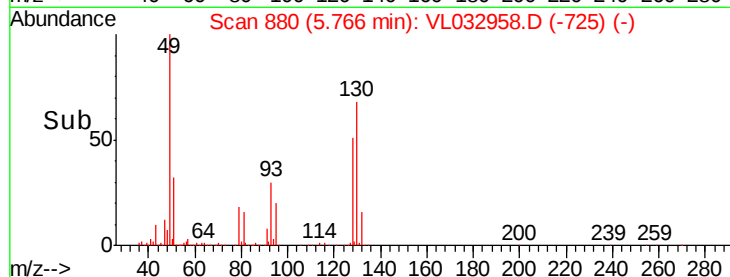
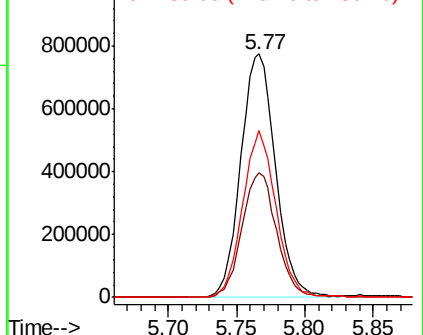
130 66.5 33.9 101.7

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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



#2

Dichlorodifluoromethane

Concen: 0.494 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032958.D

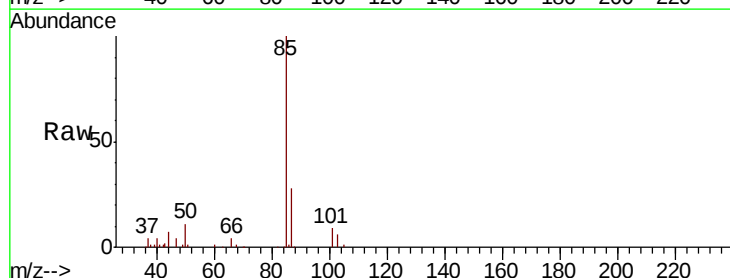
Acq: 11 Dec 2018 17:22

Tgt Ion: 85 Resp: 90372

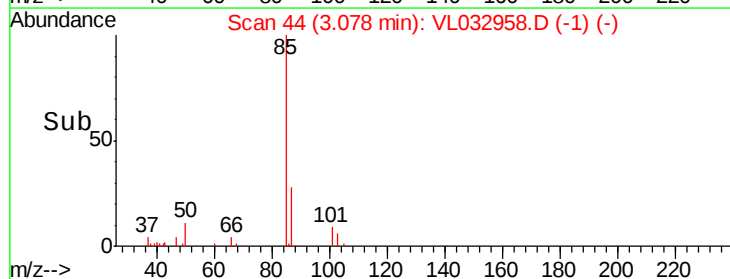
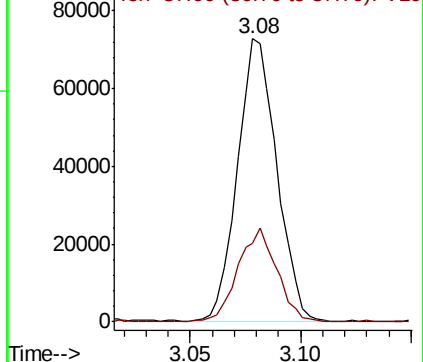
Ion Ratio Lower Upper

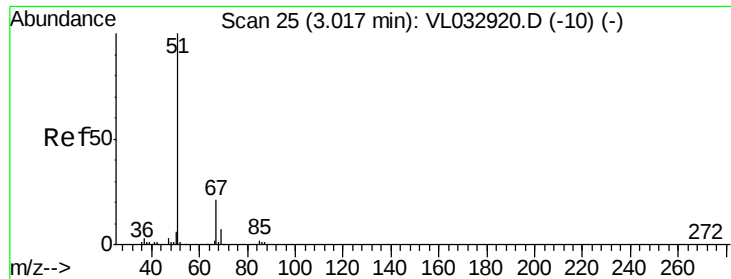
85 100

87 27.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.459 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032958.D

Acq: 11 Dec 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tot Ion: 51 Resp: 47704

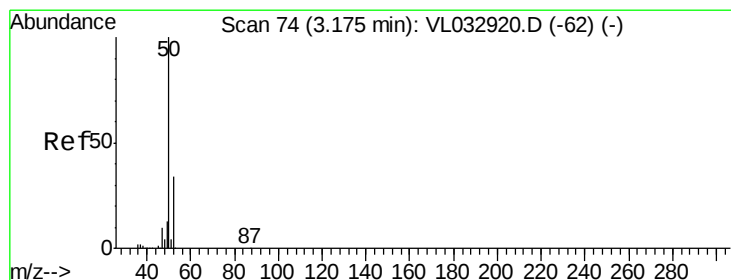
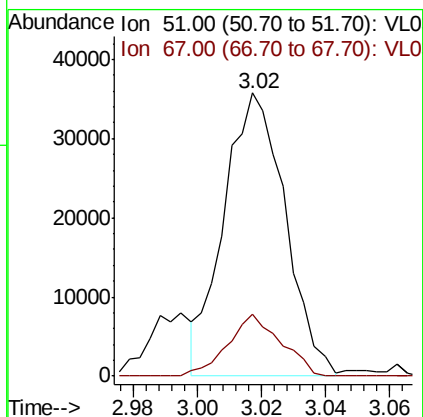
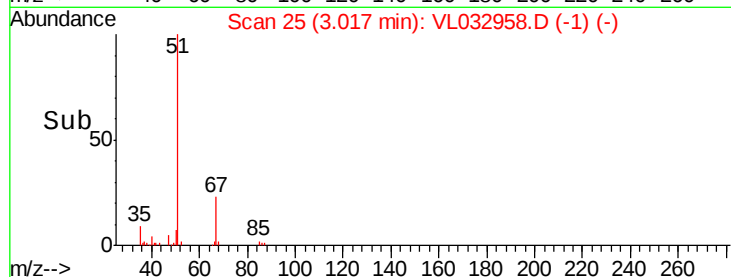
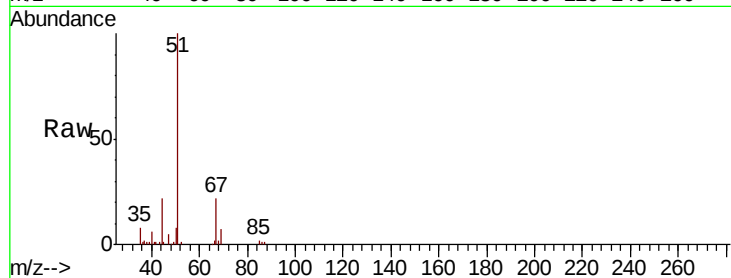
Ion Ratio Lower Upper

51 100

67 18.9 16.8 25.2

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#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032958.D

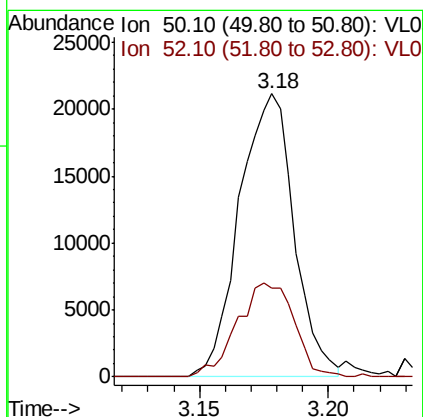
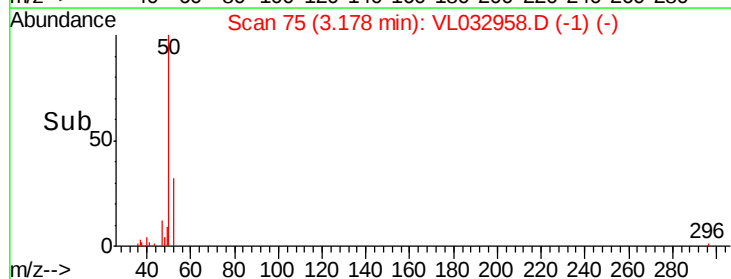
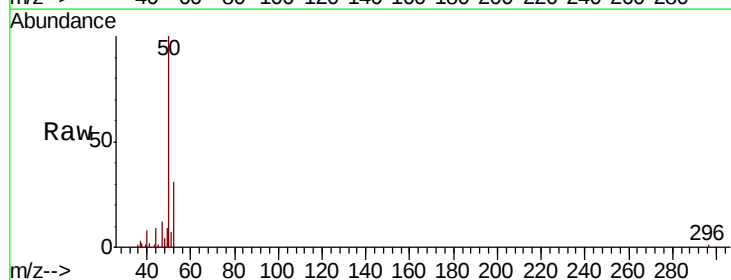
Acq: 11 Dec 2018 17:22

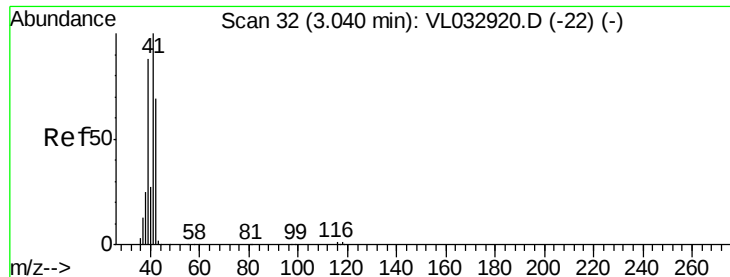
Tgt Ion: 50 Resp: 31194

Ion Ratio Lower Upper

50 100

52 31.3 27.3 40.9





#9

Propene

Concen: 1.157 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032958.D

Acq: 11 Dec 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tot Ion: 41 Resp: 47518

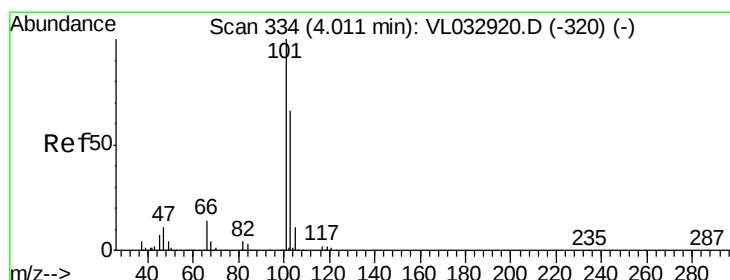
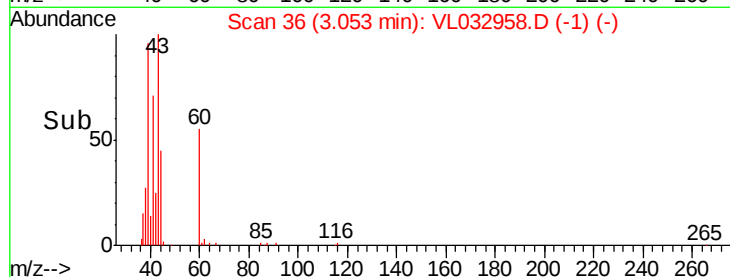
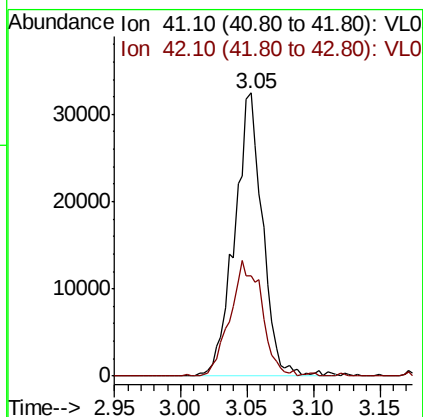
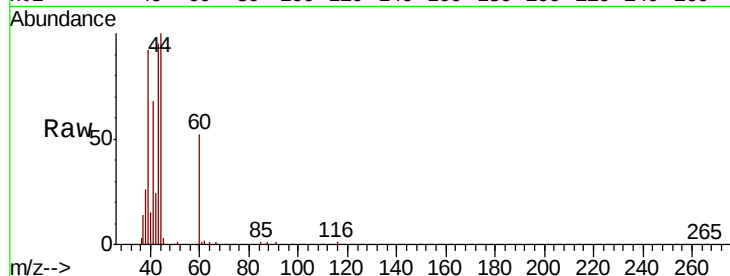
Ion Ratio Lower Upper

41 100

42 73.4 56.2 84.2

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#11

Trichlorofluoromethane

Concen: 0.224 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032958.D

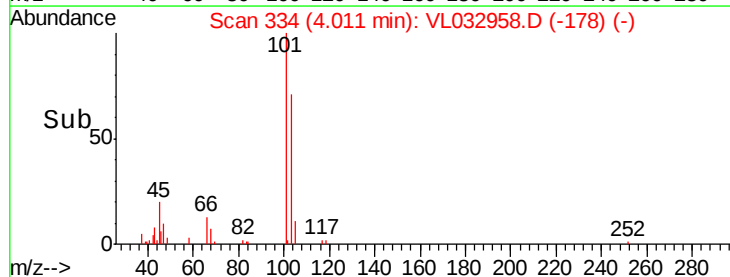
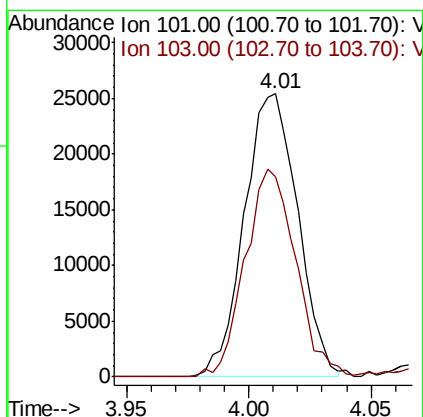
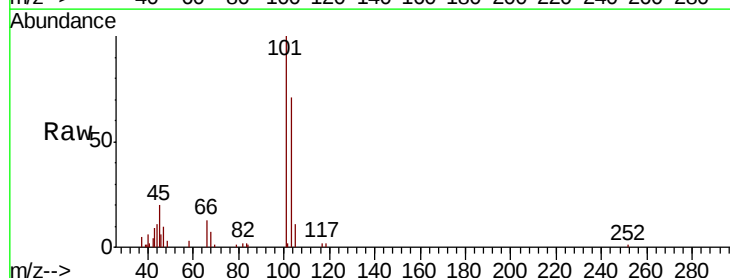
Acq: 11 Dec 2018 17:22

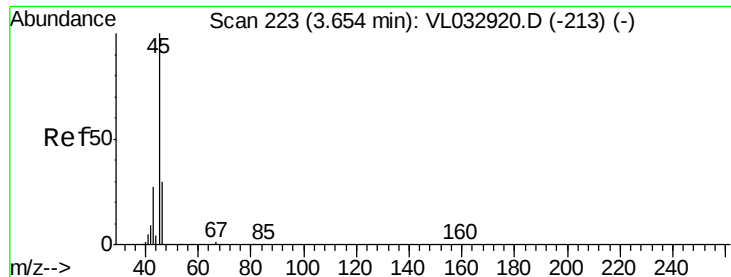
Tgt Ion: 101 Resp: 38642

Ion Ratio Lower Upper

101 100

103 70.9 52.7 79.1





#13

Ethanol

Concen: 151.022 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032958.D

Acq: 11 Dec 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tot Ion: 45 Resp: 2134960

Ion Ratio Lower Upper

45 100

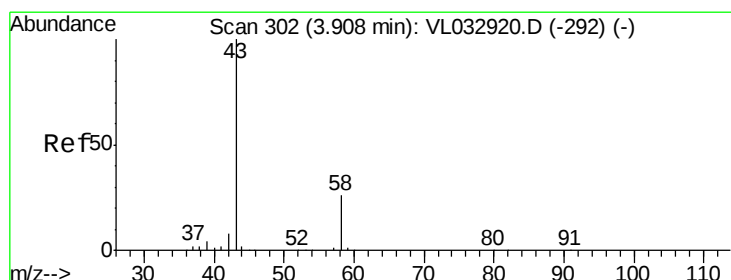
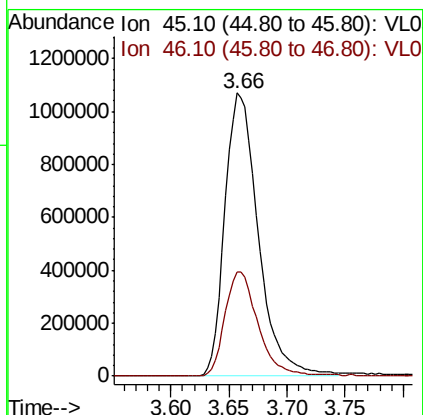
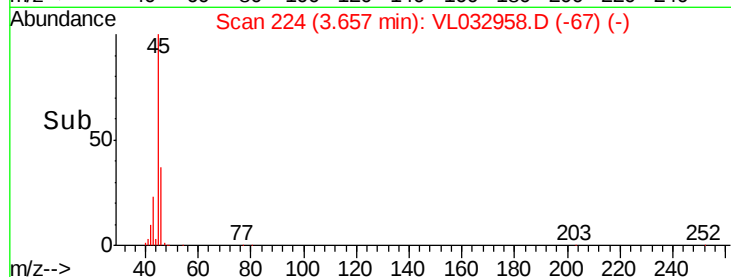
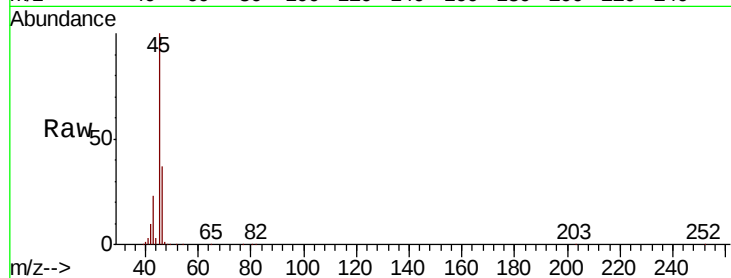
46 37.0 13.8 55.4

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#15

Acetone

Concen: 6.109 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032958.D

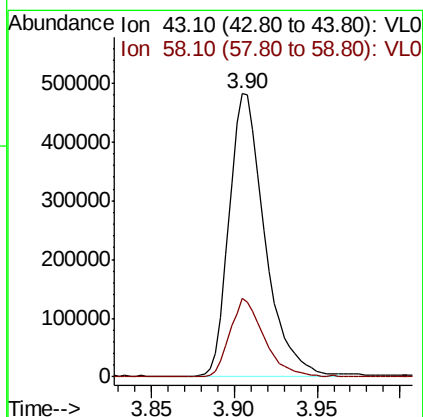
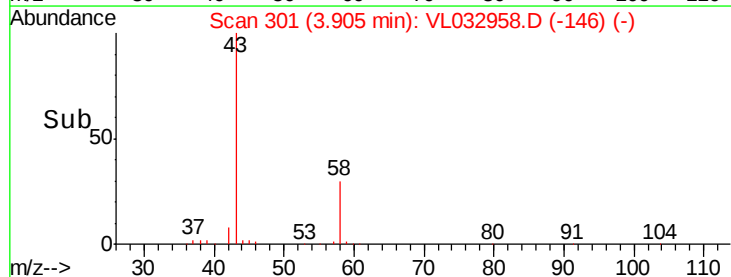
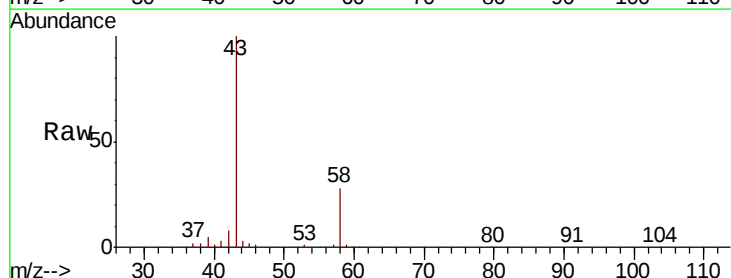
Acq: 11 Dec 2018 17:22

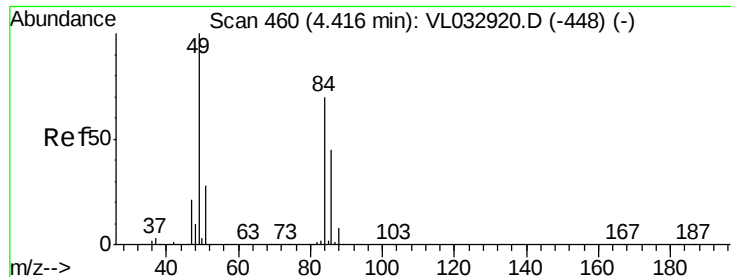
Tgt Ion: 43 Resp: 718925

Ion Ratio Lower Upper

43 100

58 27.1 20.6 30.8





#20
Methvlene Chloride
Concen: 28.823 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

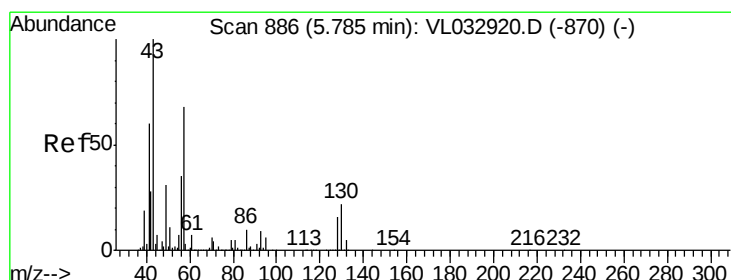
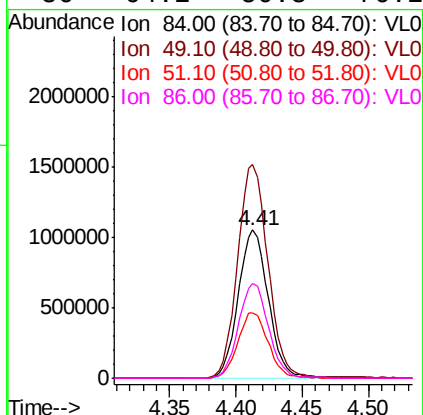
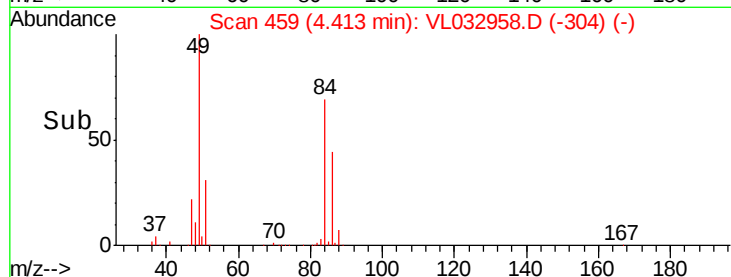
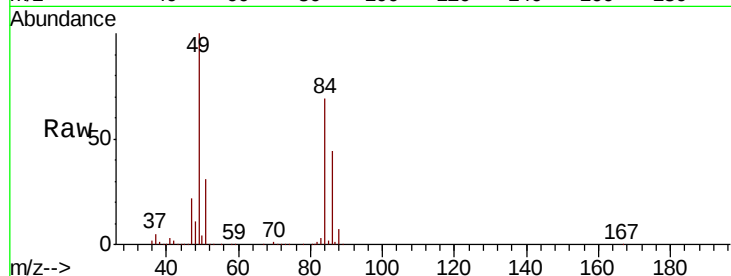
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion: 84 Resp: 1657852

Ion	Ratio	Lower	Upper
84	100		
49	144.3	113.8	170.8
51	44.3	31.8	47.8
86	64.2	50.8	76.2

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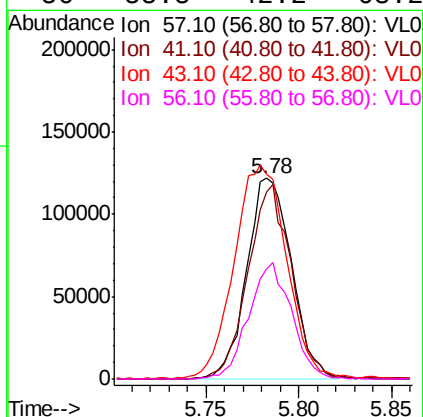
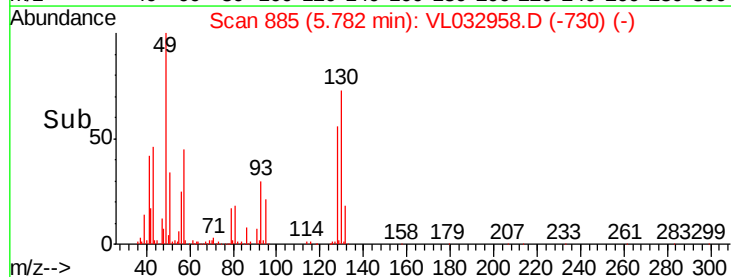
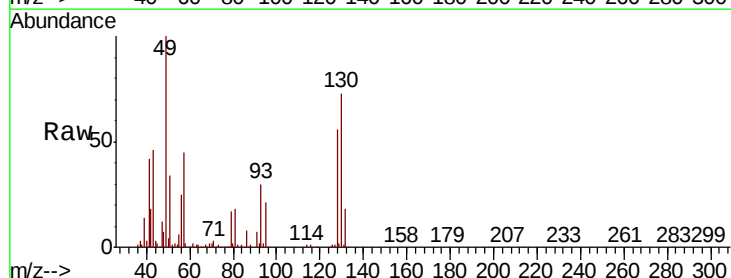
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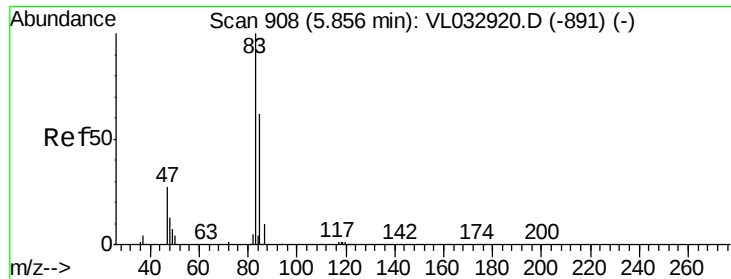


#26
Hexane
Concen: 1.592 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 57 Resp: 204380

Ion	Ratio	Lower	Upper
57	100		
41	95.2	72.2	108.2
43	124.6	171.9	257.9#
56	55.5	42.2	63.2





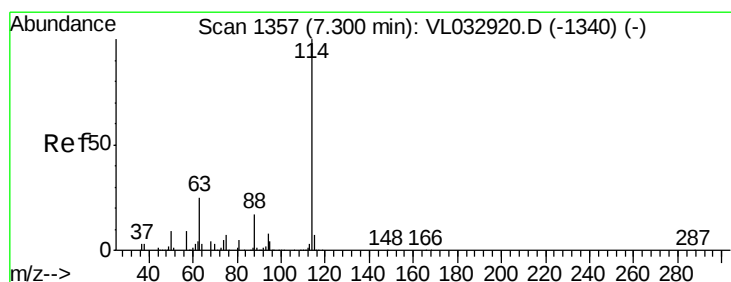
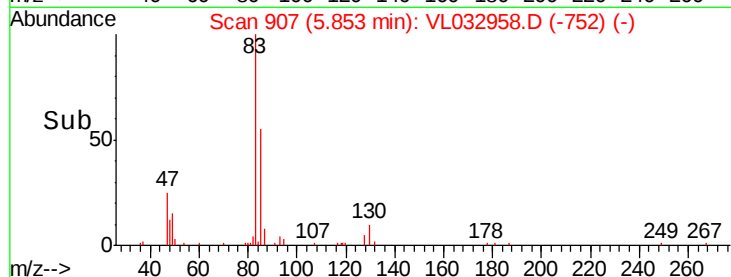
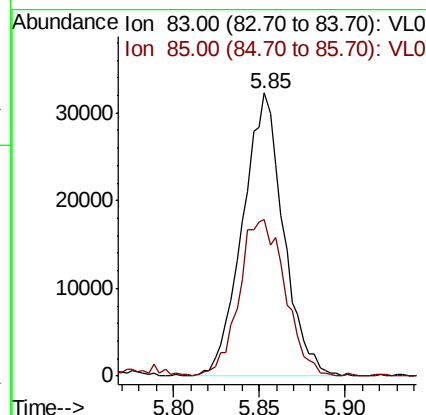
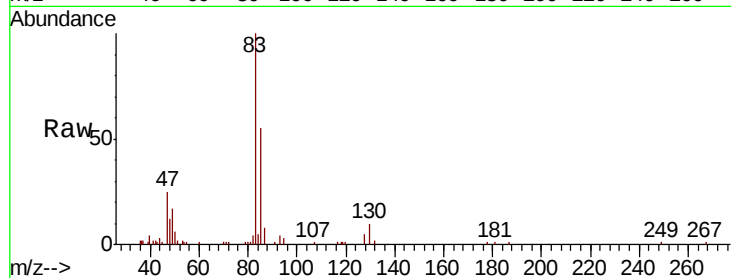
#29
Chloroform
Concen: 0.233 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion	83	Resp	53287
Ion Ratio	100	Lower	Upper
83	100		
85	55.4	49.8	74.8

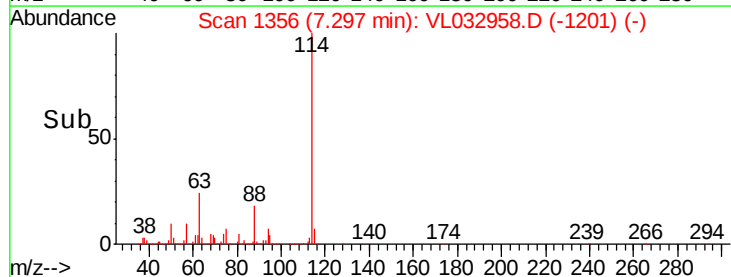
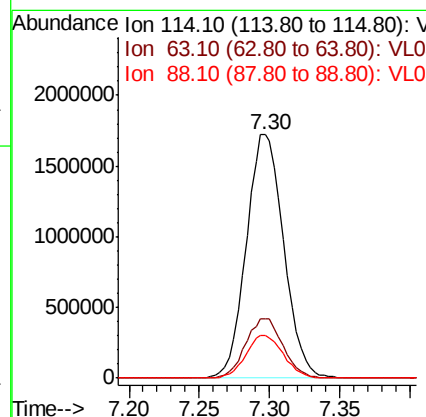
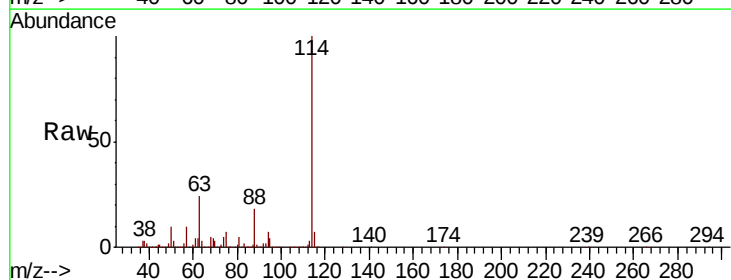
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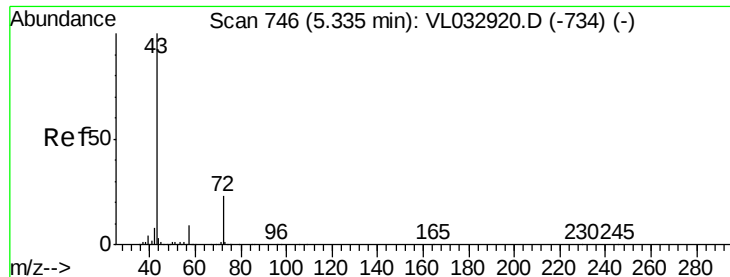
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion	114	Resp	3196876
Ion Ratio	100	Lower	Upper
114	100		
63	24.6	20.1	30.1
88	17.6	14.2	21.4





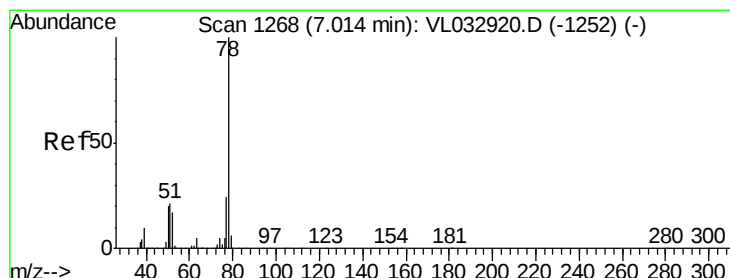
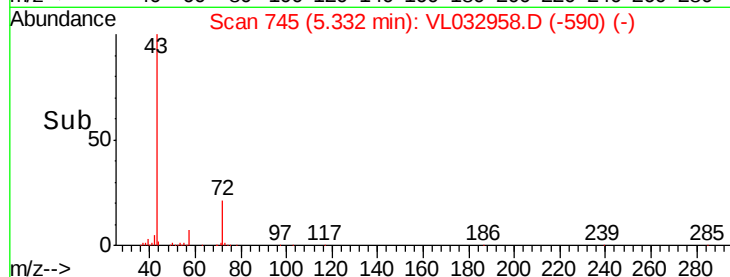
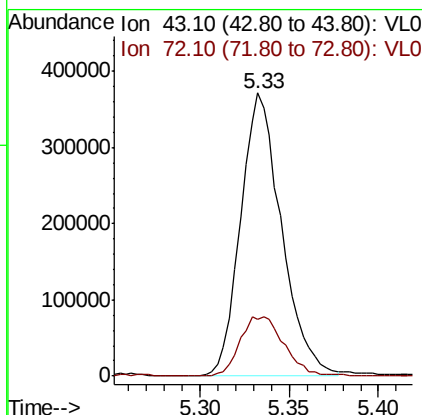
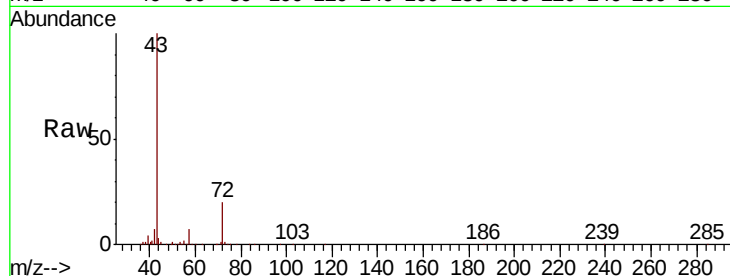
#34
2-Butanone
Concen: 4.261 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.8	28.2

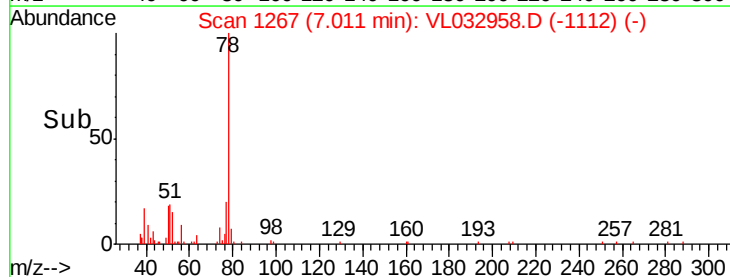
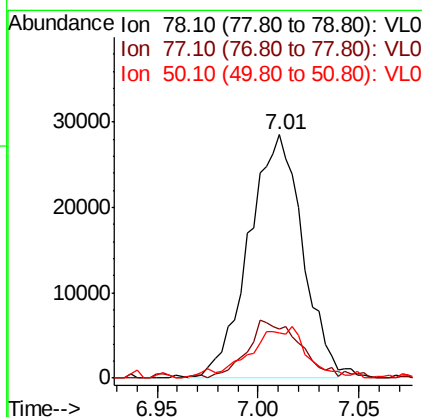
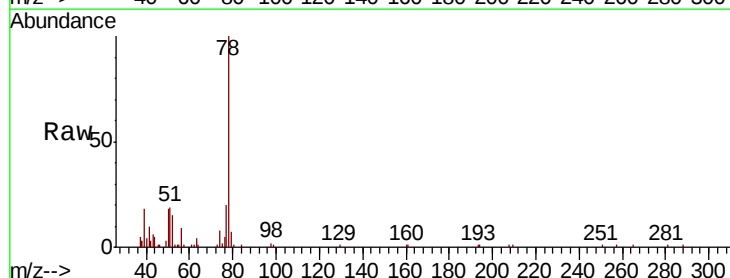
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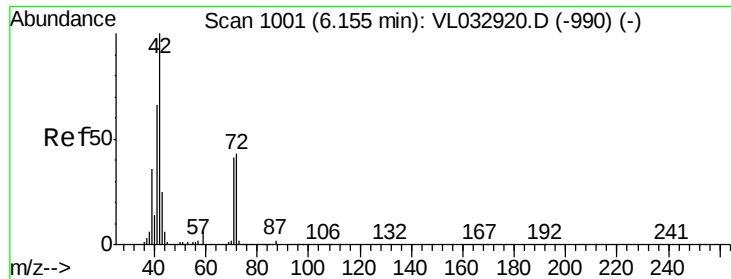
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#36
Benzene
Concen: 0.225 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.9	28.3
50	17.9	16.1	24.1





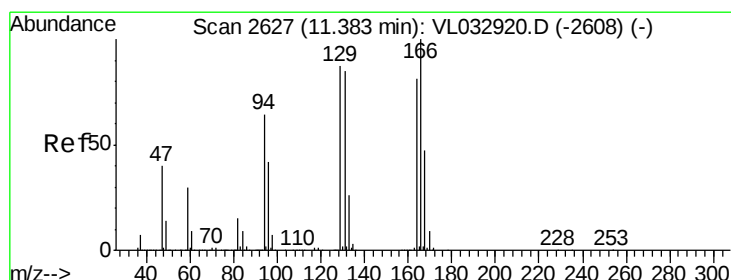
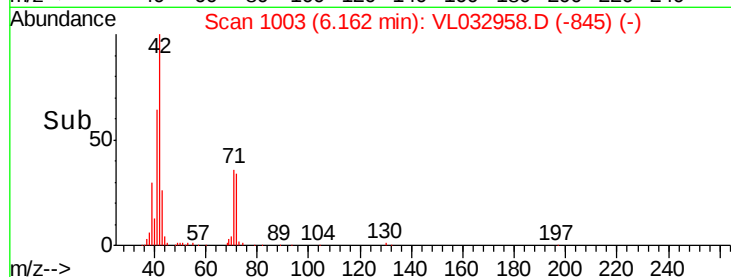
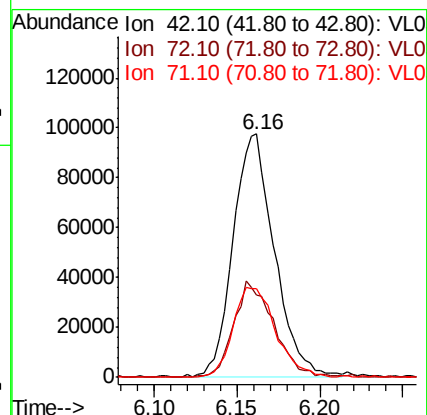
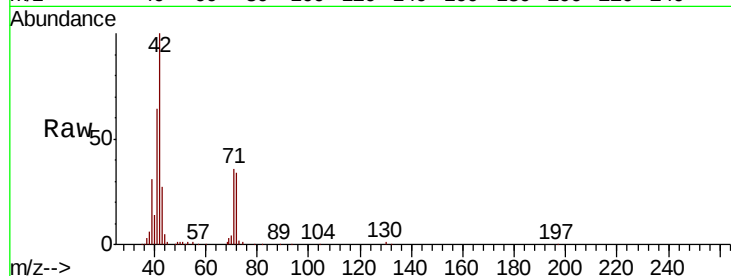
#41
Tetrahydrofuran
Concen: 1.933 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.9	49.3
71	39.1	32.0	48.0

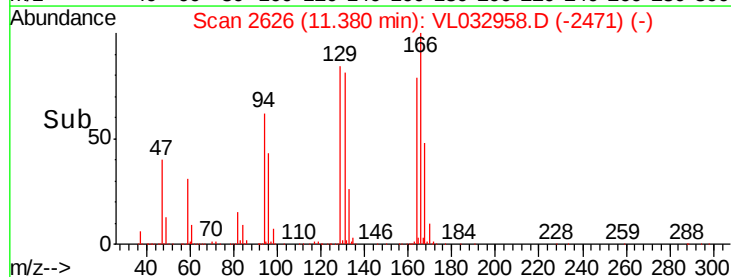
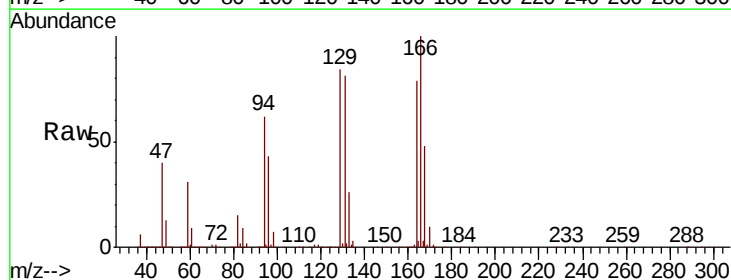
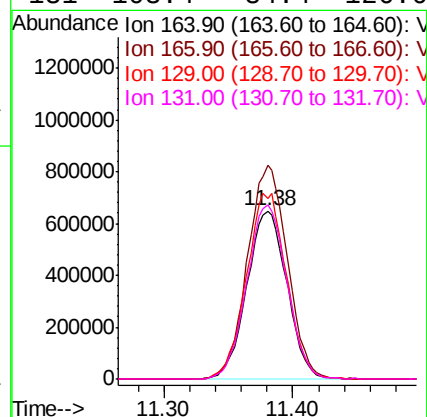
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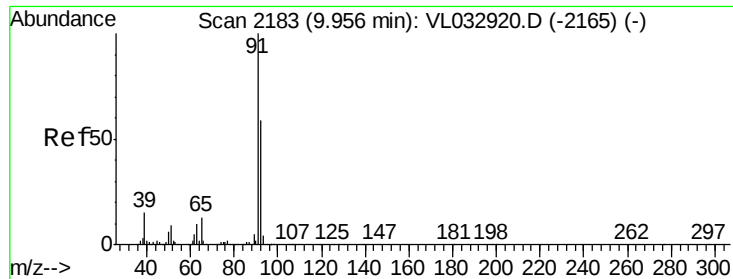
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#52
Tetrachloroethene
Concen: 16.345 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	98.8	148.2
129	107.4	85.5	128.3
131	103.4	84.4	126.6





#53

Toluene

Concen: 2.656 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032958.D

Acq: 11 Dec 2018 17:22

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tot Ion: 91 Resp: 662461

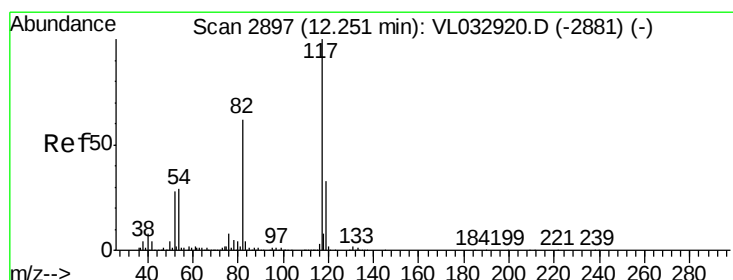
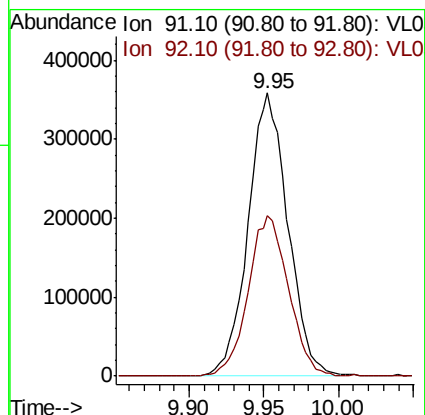
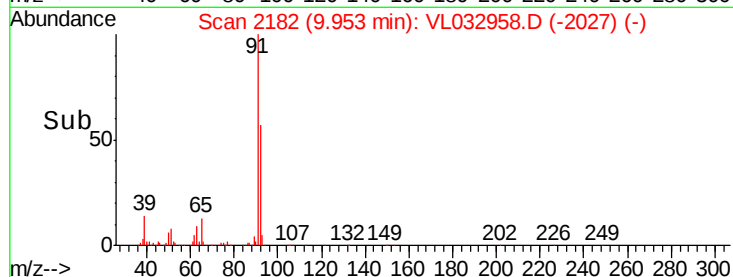
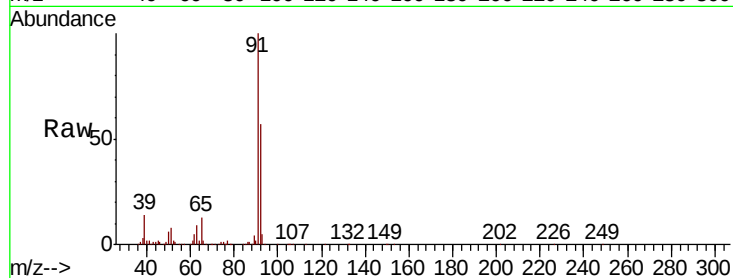
Ion Ratio Lower Upper

91 100

92 57.5 47.4 71.0

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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: VL032958.D

Acq: 11 Dec 2018 17:22

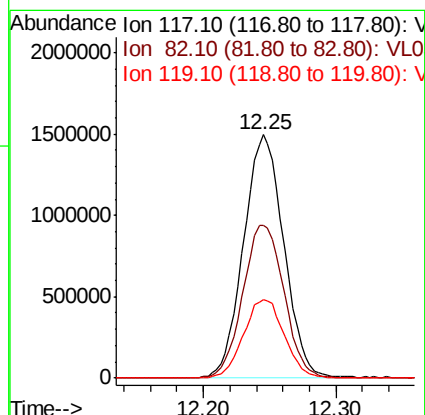
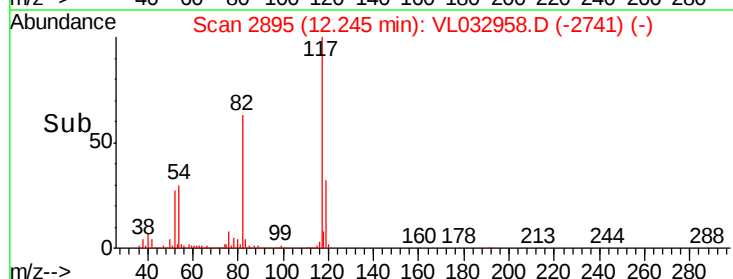
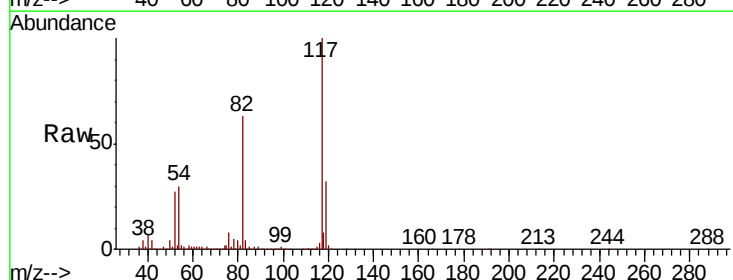
Tgt Ion: 117 Resp: 3159817

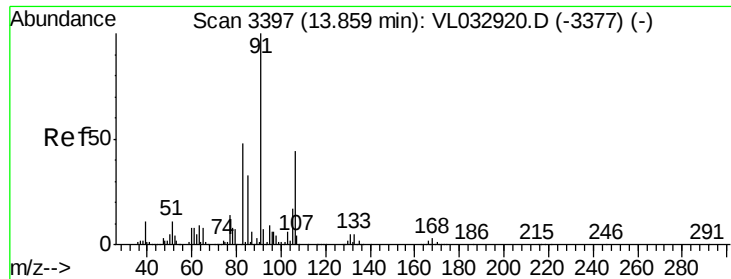
Ion Ratio Lower Upper

117 100

82 64.5 47.8 71.8

119 32.8 43.1 64.7#





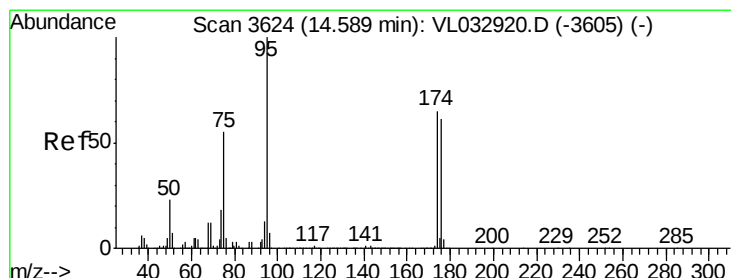
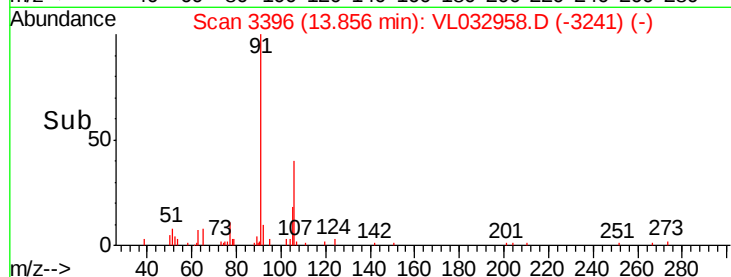
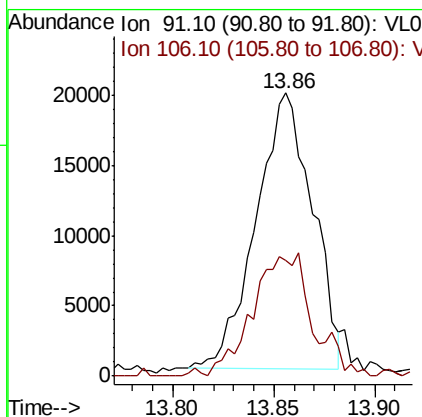
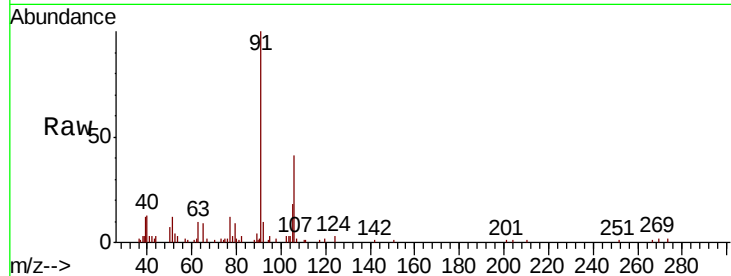
#60
o-Xylene
Concen: 0.124 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampled :
IA1DUP

Tot Ion: 91 Resp: 38305
Ion Ratio Lower Upper
91 100
106 47.9 21.9 65.8

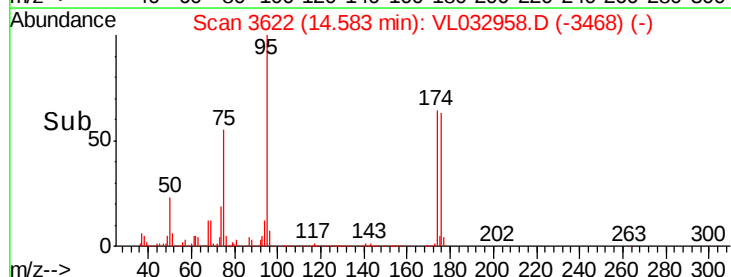
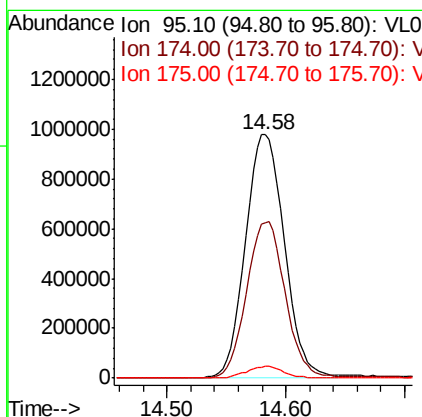
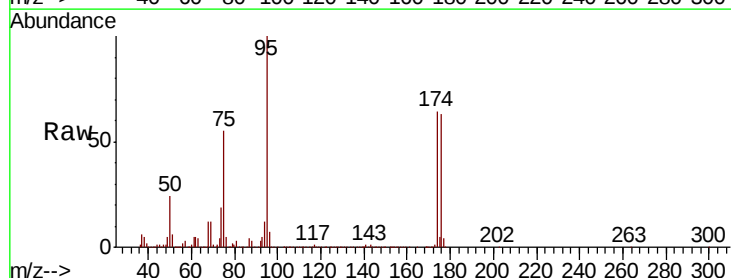
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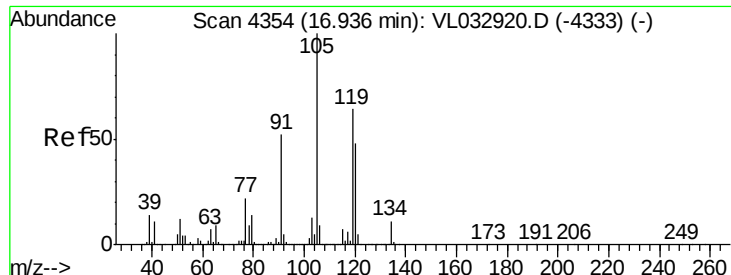
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.516 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 95 Resp: 2221511
Ion Ratio Lower Upper
95 100
174 64.7 51.4 77.0
175 4.6 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.373 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032958.D
 Acq: 11 Dec 2018 17:22

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Tot Ion:	105	Resp:	141777
Ion Ratio	Lower	Upper	
105	100		
120	31.6	38.6	58.0#
91	10.2	41.7	62.5#
77	15.7	17.4	26.2#

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:39 AM

