

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032575.D
 Acq On : 28 Sep 2018 9:14
 Operator : SY/AP
 Sample : J5094-07 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LSS-1

Manual Integrations
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Quant Time: Sep 29 22:41:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 2
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1316451	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.32	114	2965590	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3100243	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2235529	9.56	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	14017	0.115	ppbv	100
3) Chlorodifluoromethane	3.03	51	35690m	0.326	ppbv	
9) Propene	3.05	41	45517	0.958	ppbv	96
13) Ethanol	3.67	45	90540m	6.341	ppbv	
15) Acetone	3.92	43	482128	4.172	ppbv	99
19) Isopropyl Alcohol	4.06	45	29130m	0.362	ppbv	
26) Hexane	5.80	57	13269m	0.105	ppbv	
29) Chloroform	5.87	83	65966	0.339	ppbv	98
34) 2-Butanone	5.36	43	87732	0.497	ppbv	98
35) Carbon Tetrachloride	7.16	117	9546m	0.046	ppbv	
36) Benzene	7.03	78	79865	0.333	ppbv	98
38) Trichloroethene	7.98	130	4237m	0.046	ppbv	
52) Tetrachloroethene	11.41	164	3073747	36.835	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	2209	0.035	ppbv #	63

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

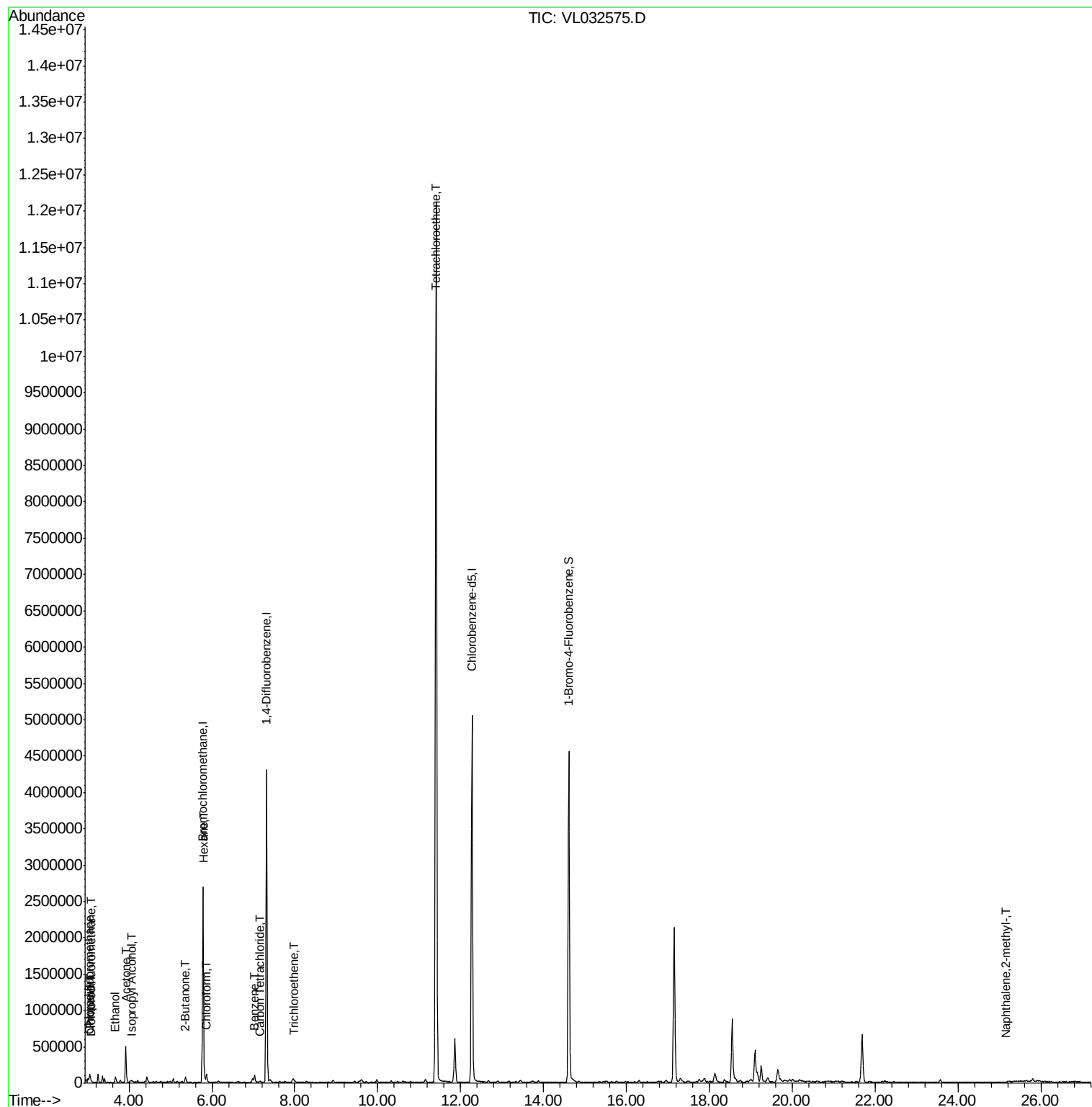
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032575.D
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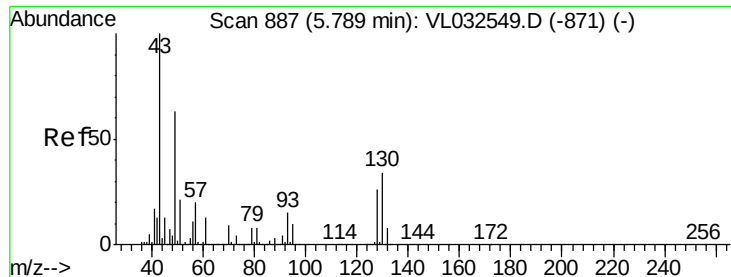
Instrument :
MSVOA_L
ClientSampleId :
LSS-1

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Quant Time: Sep 29 22:41:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.03 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Instrument :

MSVOA_L

ClientSampled :

LSS-1

Tgt Ion: 49 Resp: 1316451

Ion Ratio Lower Upper

49 100

128 44.2 20.7 62.1

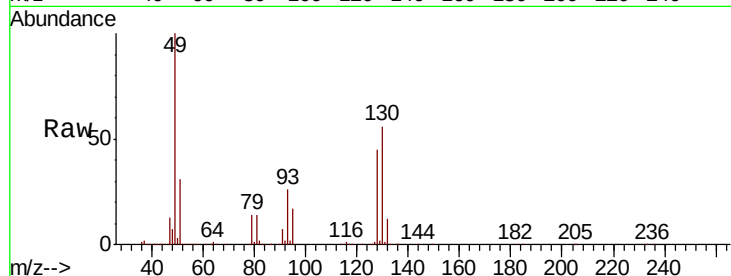
130 56.8 26.6 79.7

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

1000000

800000

600000

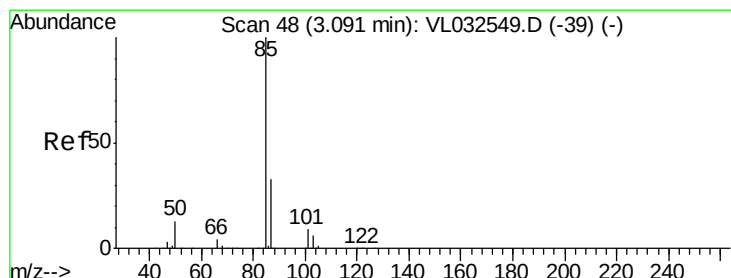
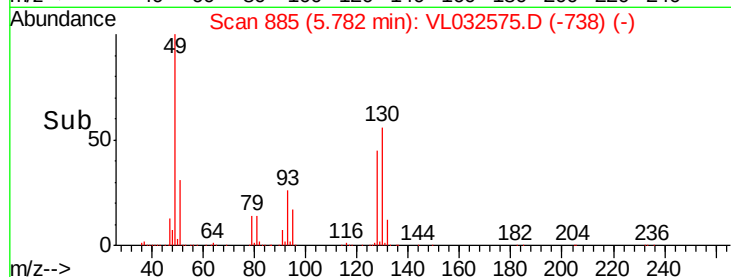
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 0.115 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032575.D

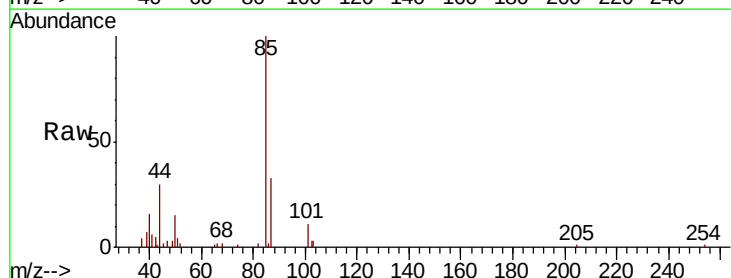
Acq: 28 Sep 2018 9:14

Tgt Ion: 85 Resp: 14017

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

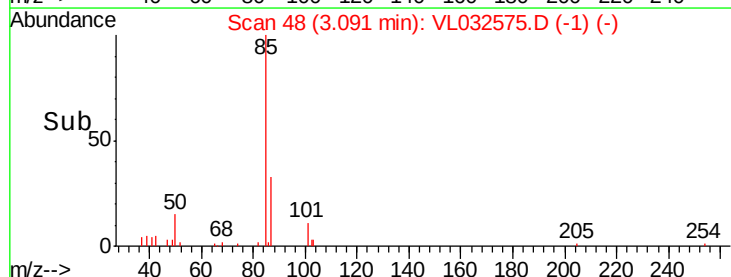
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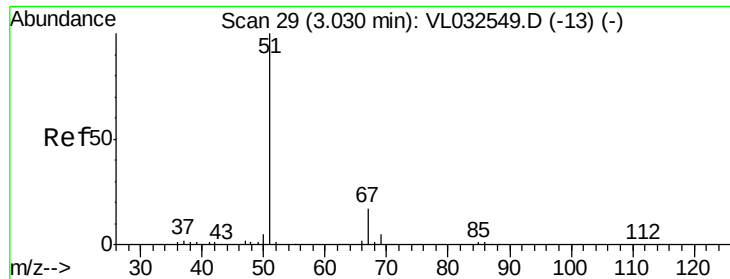
5000

0

3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 0.326 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Instrument :

MSVOA_L

ClientSampleId :

LSS-1

Tgt Ion: 51 Resp: 35690

Ion Ratio Lower Upper

51 100

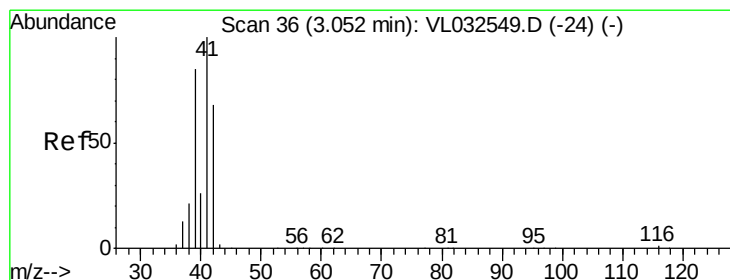
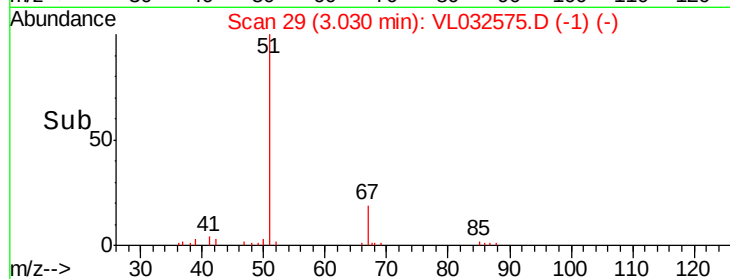
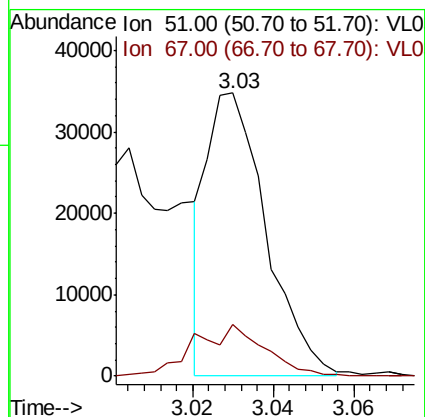
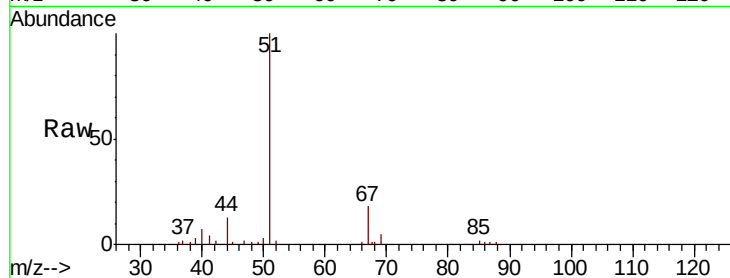
67 21.6 13.8 20.8#

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#9

Propene

Concen: 0.958 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032575.D

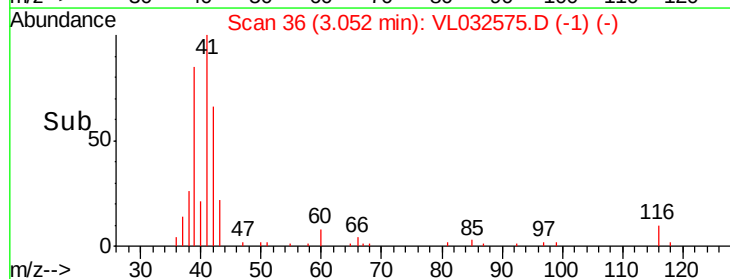
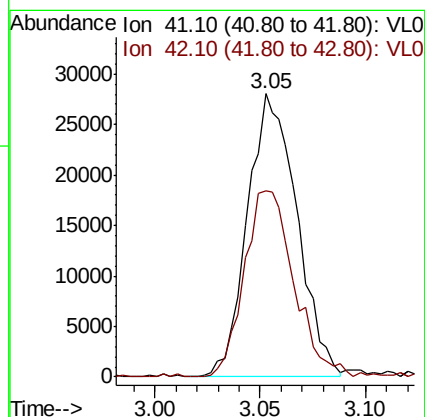
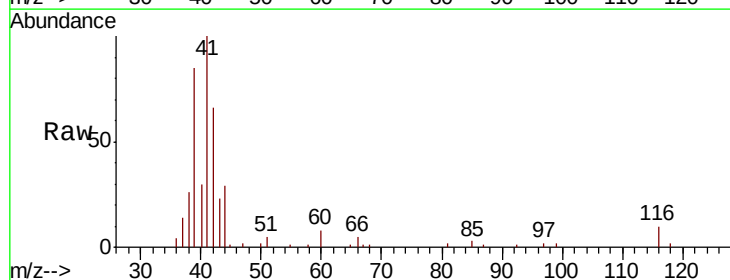
Acq: 28 Sep 2018 9:14

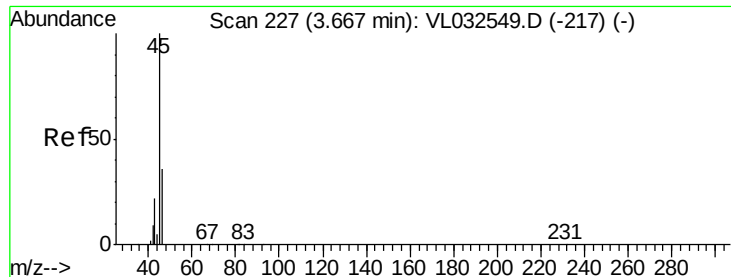
Tgt Ion: 41 Resp: 45517

Ion Ratio Lower Upper

41 100

42 67.6 56.6 84.8





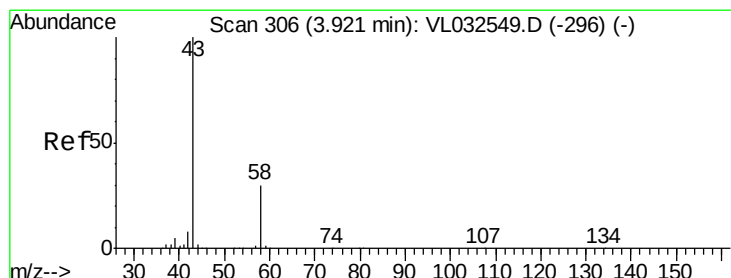
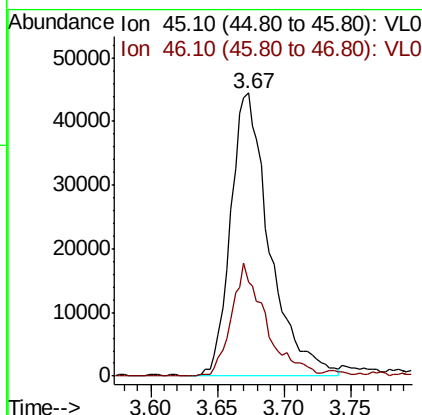
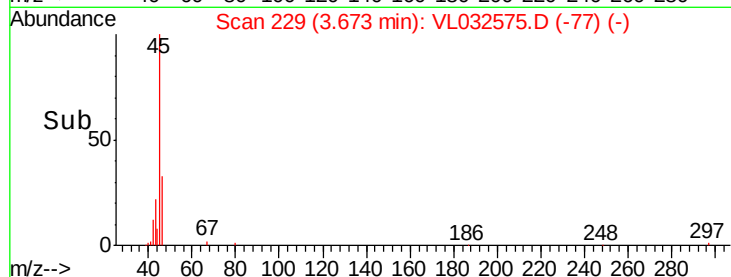
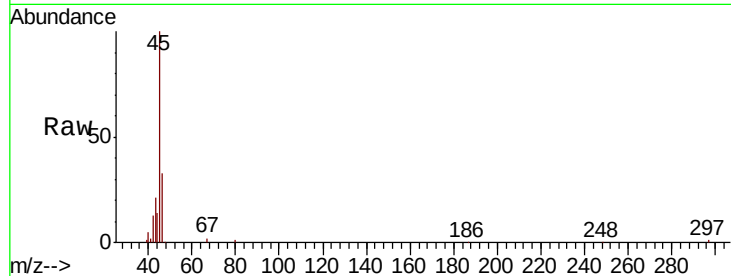
#13
Ethanol
Concen: 6.341 ppbv m
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Instrument :
MSVOA_L
ClientSampleId :
LSS-1

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.2	56.8

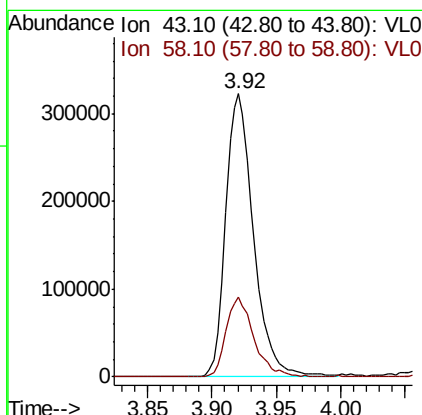
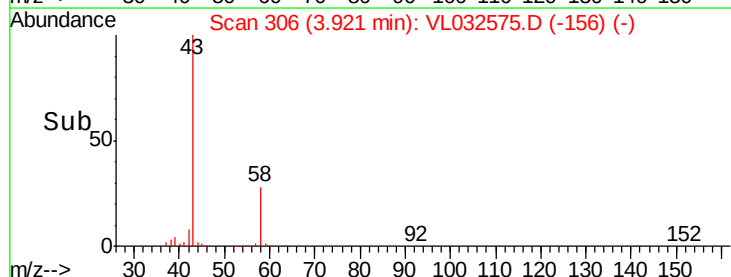
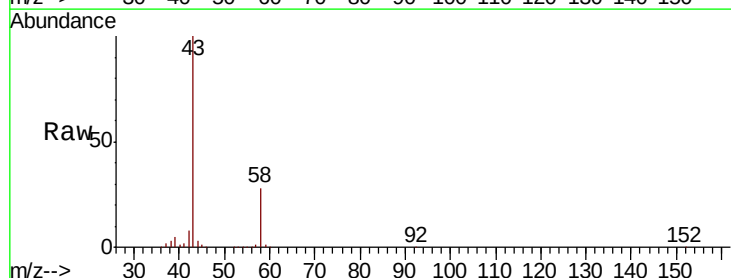
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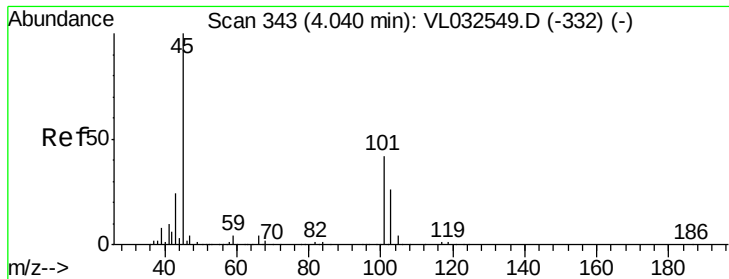
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#15
Acetone
Concen: 4.172 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.6	33.8





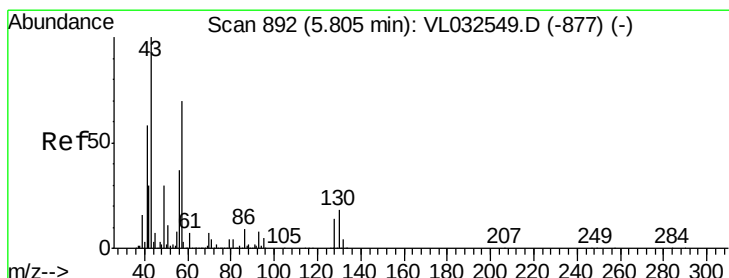
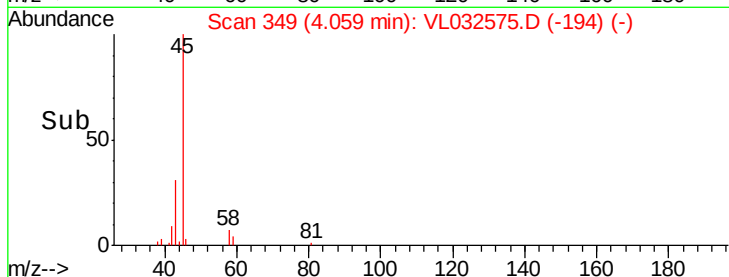
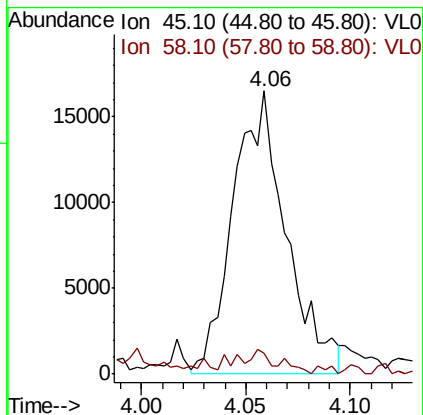
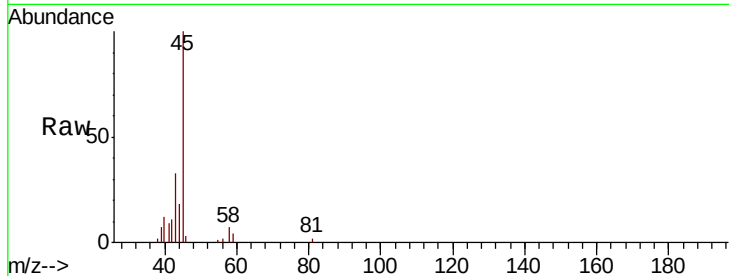
#19
Isopropyl Alcohol
Concen: 0.362 ppbv m
RT: 4.06 min Scan# 349
Delta R.T. -0.00 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Instrument :
MSVOA_L
ClientSampleId :
LSS-1

Tgt Ion: 45 Resp: 29130
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#

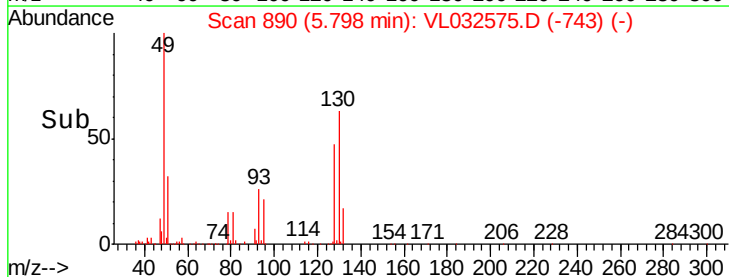
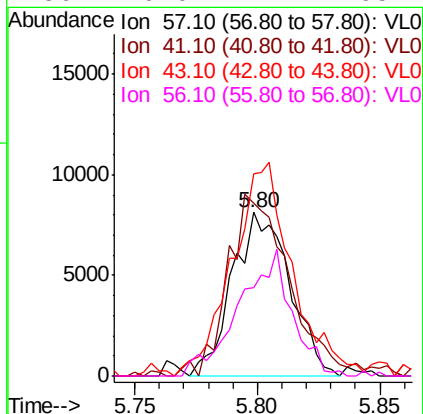
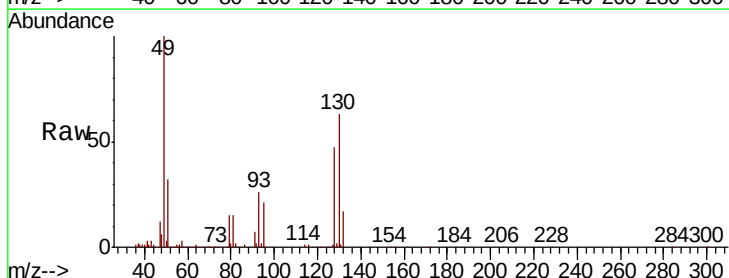
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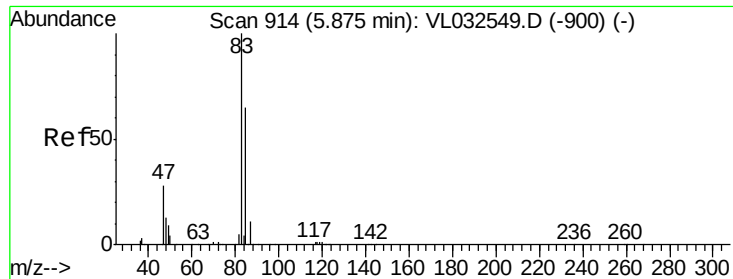
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#26
Hexane
Concen: 0.105 ppbv m
RT: 5.80 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Tgt Ion: 57 Resp: 13269
Ion Ratio Lower Upper
57 100
41 121.0 69.0 103.4#
43 0.0 172.1 258.1#
56 0.0 42.2 63.2#





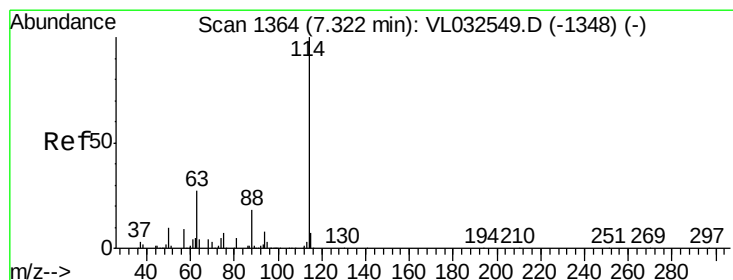
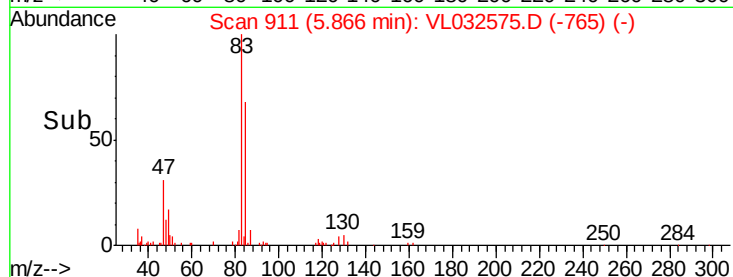
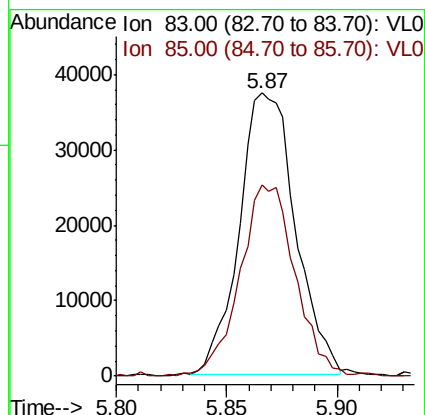
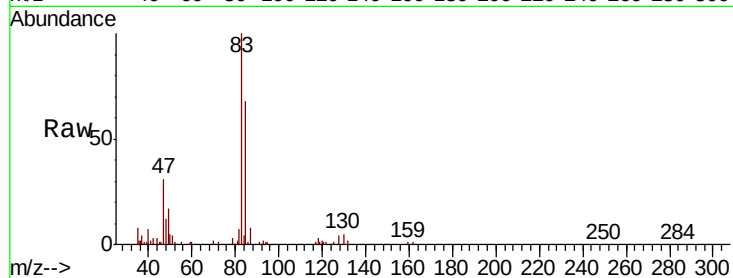
#29
Chloroform
Concen: 0.339 ppbv
RT: 5.87 min Scan# 911
Delta R.T. -0.03 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Instrument :
MSVOA_L
ClientSampleId :
LSS-1

Tgt Ion: 83 Resp: 65966
Ion Ratio Lower Upper
83 100
85 67.3 52.5 78.7

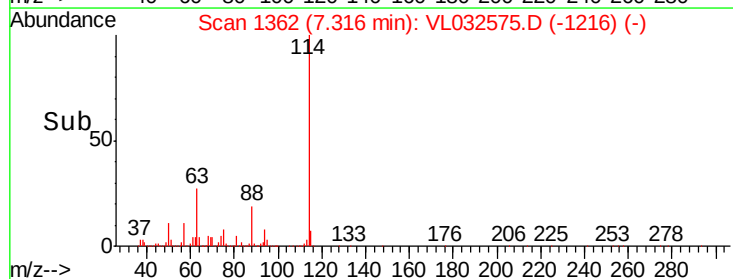
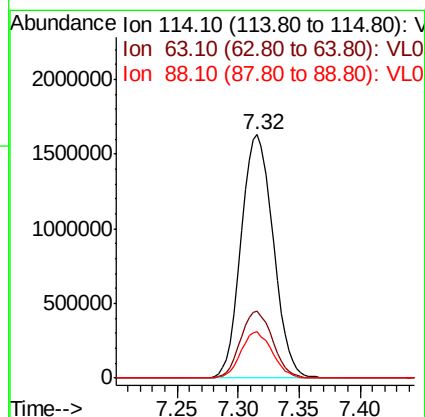
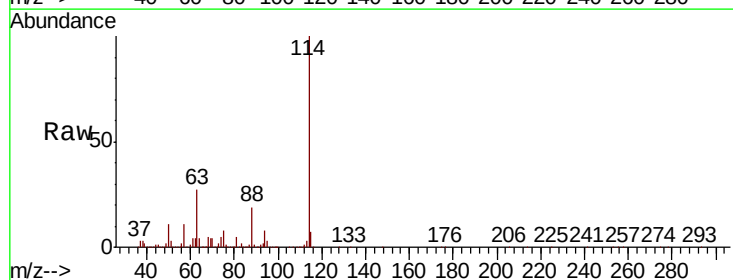
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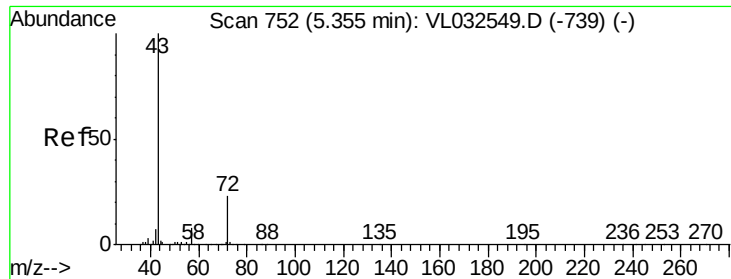
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032575.D
Acq: 28 Sep 2018 9:14

Tgt Ion: 114 Resp: 2965590
Ion Ratio Lower Upper
114 100
63 27.6 22.2 33.4
88 18.5 15.0 22.4





#34

2-Butanone

Concen: 0.497 ppbv

RT: 5.36 min Scan# 753

Delta R.T. -0.01 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Instrument :

MSVOA_L

ClientSampled :

LSS-1

Tgt Ion: 43 Resp: 87732

Ion Ratio Lower Upper

43 100

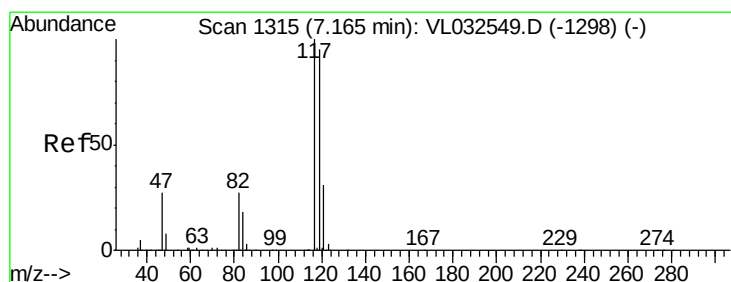
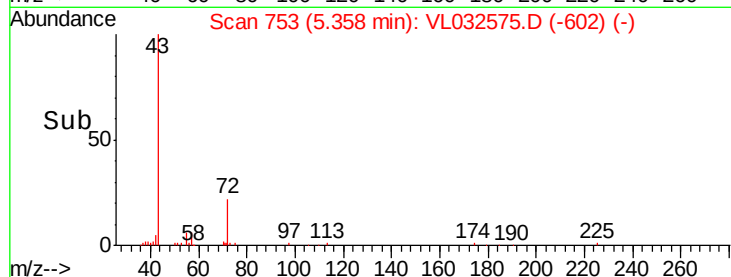
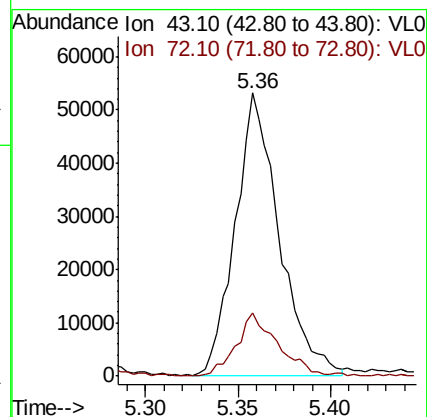
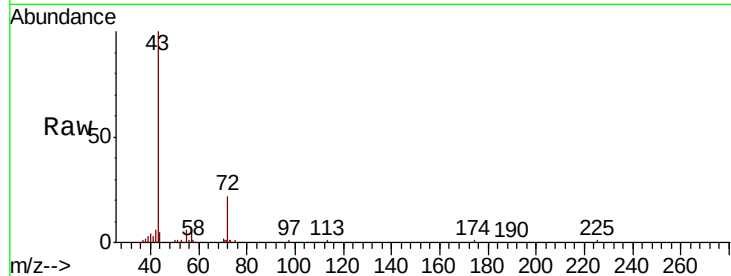
72 21.4 17.8 26.6

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#35

Carbon Tetrachloride

Concen: 0.046 ppbv m

RT: 7.16 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

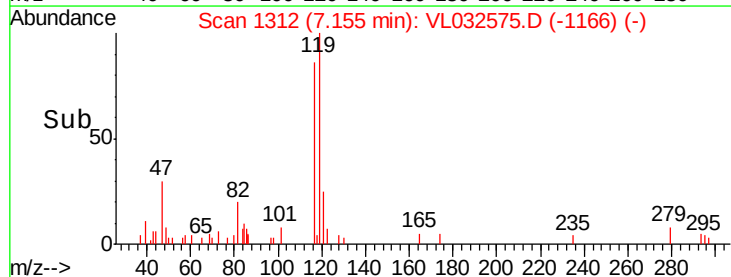
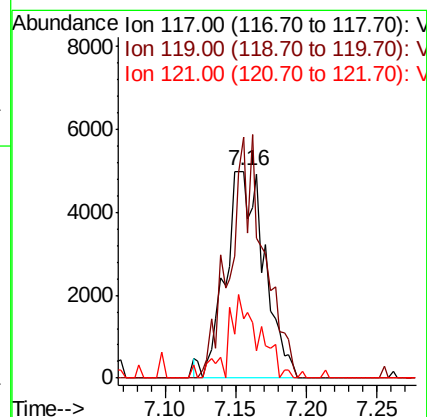
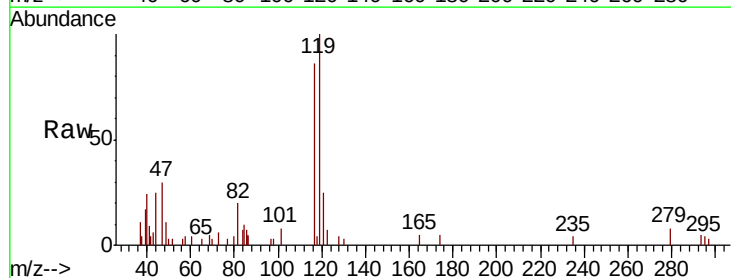
Tgt Ion: 117 Resp: 9546

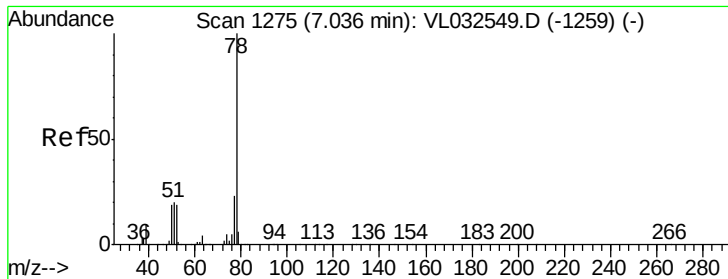
Ion Ratio Lower Upper

117 100

119 116.3 76.6 115.0#

121 28.5 24.6 36.8





#36

Benzene

Concen: 0.333 ppbv

RT: 7.03 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Instrument :

MSVOA_L

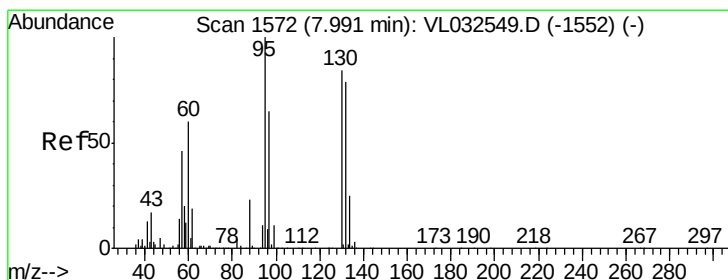
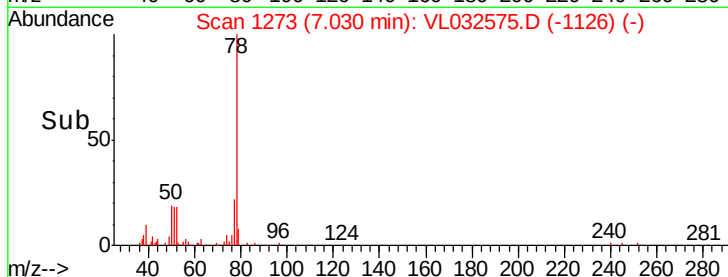
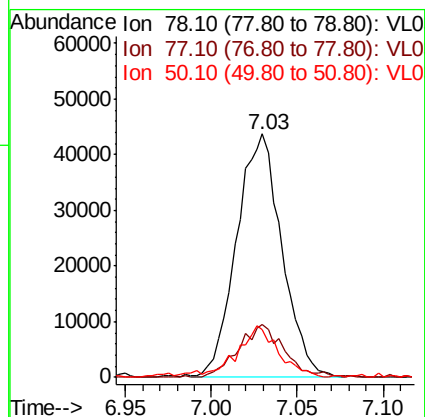
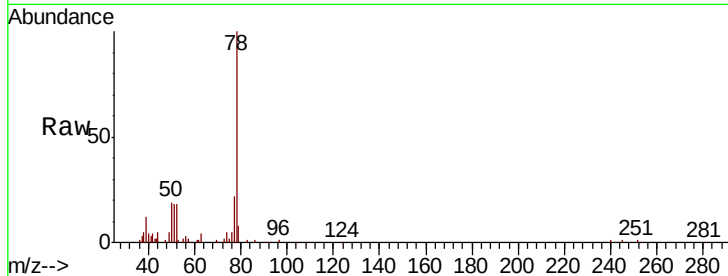
ClientSampled :

LSS-1

Tgt Ion:	78	Resp:	79865
Ion Ratio	Lower	Upper	
78	100		
77	21.5	18.4	27.6
50	18.8	14.4	21.6

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#38

Trichloroethene

Concen: 0.046 ppbv m

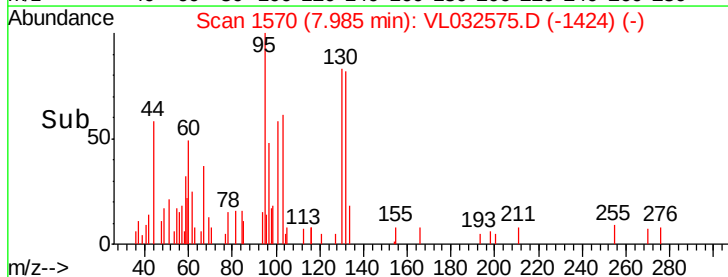
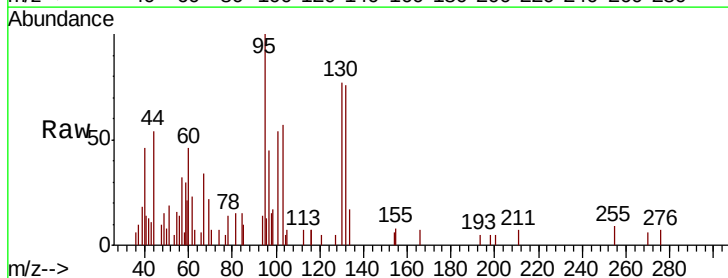
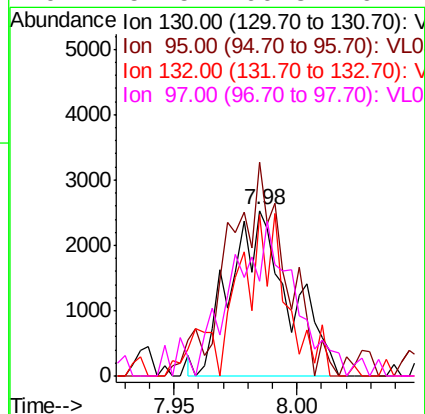
RT: 7.98 min Scan# 1570

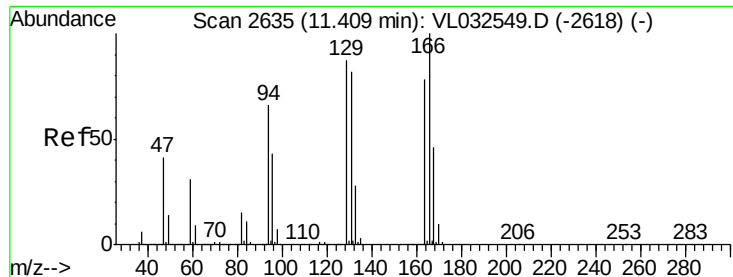
Delta R.T. -0.03 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Tgt Ion:	130	Resp:	4237
Ion Ratio	Lower	Upper	
130	100		
95	129.2	94.2	141.4
132	97.8	76.2	114.4
97	57.5	60.8	91.2#





#52

Tetrachloroethene

Concen: 36.835 ppbv

RT: 11.41 min Scan# 2634

Delta R.T. -0.02 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

Instrument :

MSVOA_L

ClientSampled :

LSS-1

Tgt Ion:164 Resp: 3073747

Ion Ratio Lower Upper

164 100

166 125.4 100.6 150.8

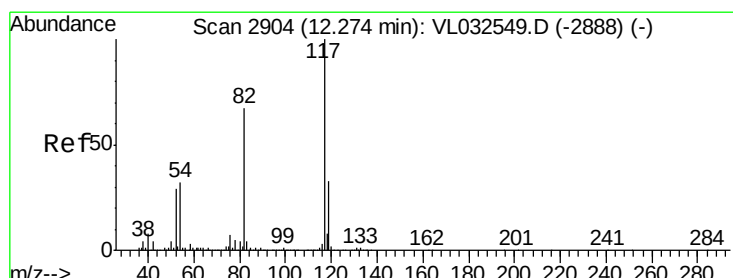
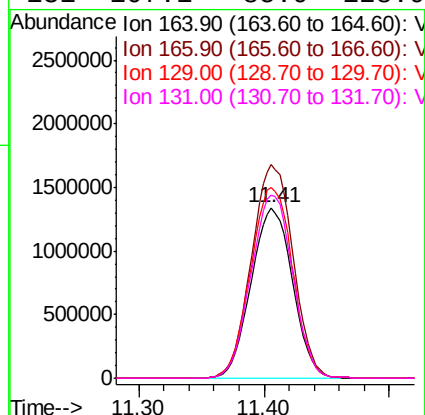
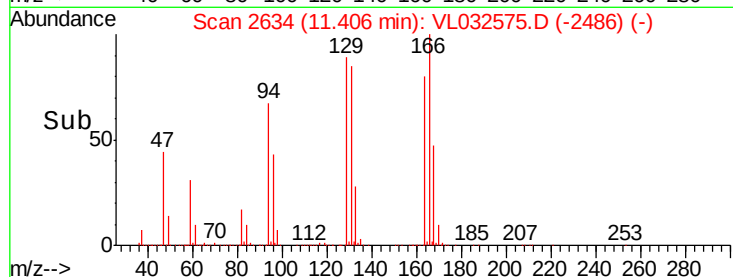
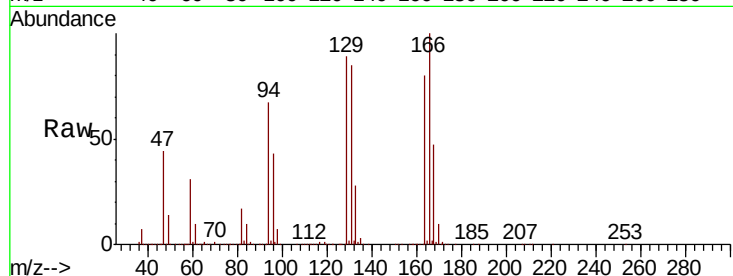
129 111.7 89.9 134.9

131 107.1 85.9 128.9

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032575.D

Acq: 28 Sep 2018 9:14

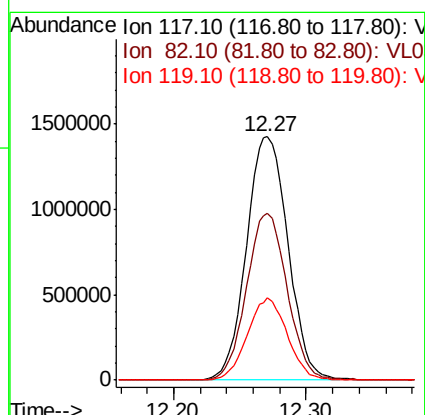
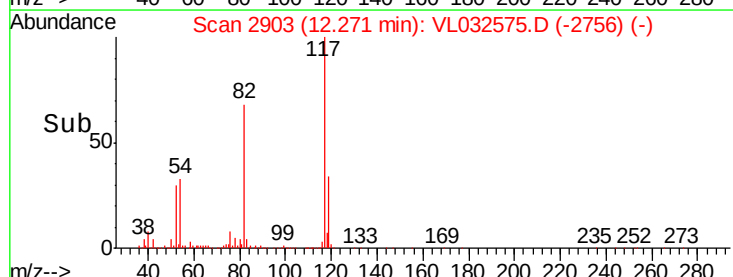
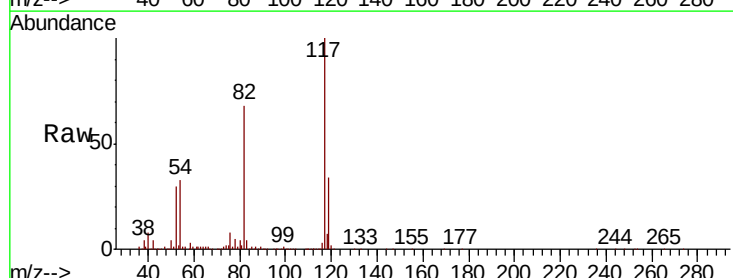
Tgt Ion:117 Resp: 3100243

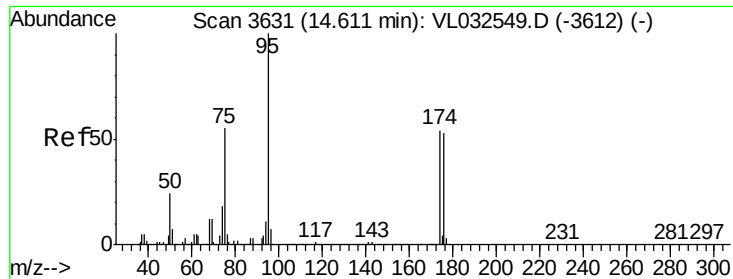
Ion Ratio Lower Upper

117 100

82 67.3 53.0 79.6

119 32.5 45.9 68.9#





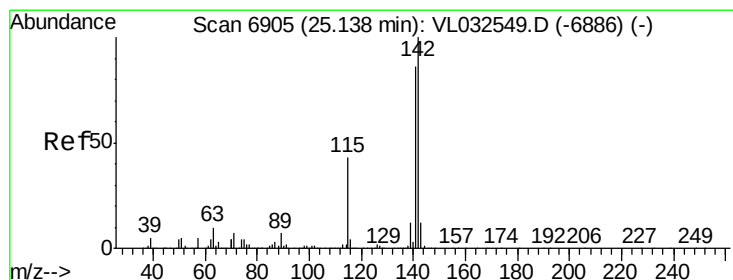
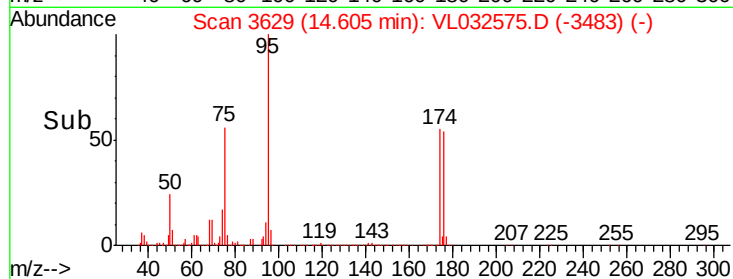
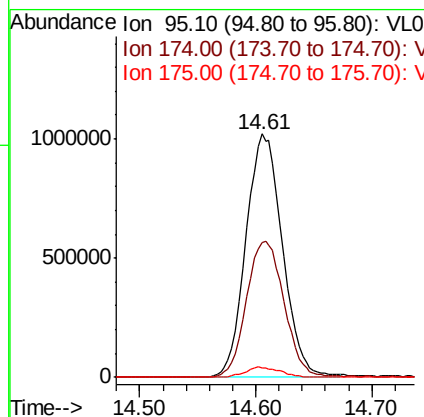
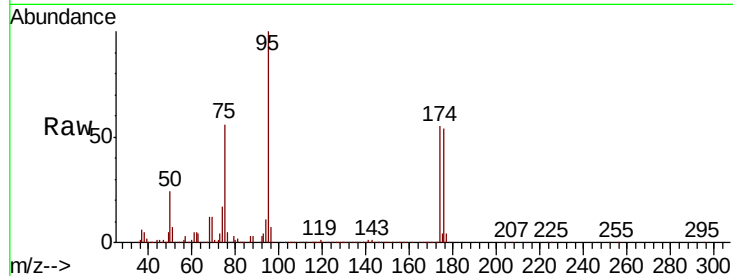
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.562 ppbv
 RT: 14.61 min Scan# 3629
 Delta R.T. -0.03 min
 Lab File: VL032575.D
 Acq: 28 Sep 2018 9:14

Instrument :
 MSVOA_L
 ClientSampled :
 LSS-1

Tgt Ion: 95 Resp: 2235529
 Ion Ratio Lower Upper
 95 100
 174 58.6 46.3 69.5
 175 4.1 3.4 5.0

Manual Integrations
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 10/1/2018 12:00:23 PM



#80
 Naphthalene, 2-methyl-
 Concen: 0.035 ppbv
 RT: 25.14 min Scan# 6906
 Delta R.T. -0.01 min
 Lab File: VL032575.D
 Acq: 28 Sep 2018 9:14

Tgt Ion: 142 Resp: 2209
 Ion Ratio Lower Upper
 142 100
 141 34.8 67.0 100.6#
 115 39.7 31.3 46.9

