

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032535.D
 Acq On : 25 Sep 2018 8:16
 Operator : SY/AP
 Sample : J5034-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-092018DL

Quant Time: Sep 25 09:34:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
 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	5.79	49	1508291	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3256275	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3226403	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2483274	10.21	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

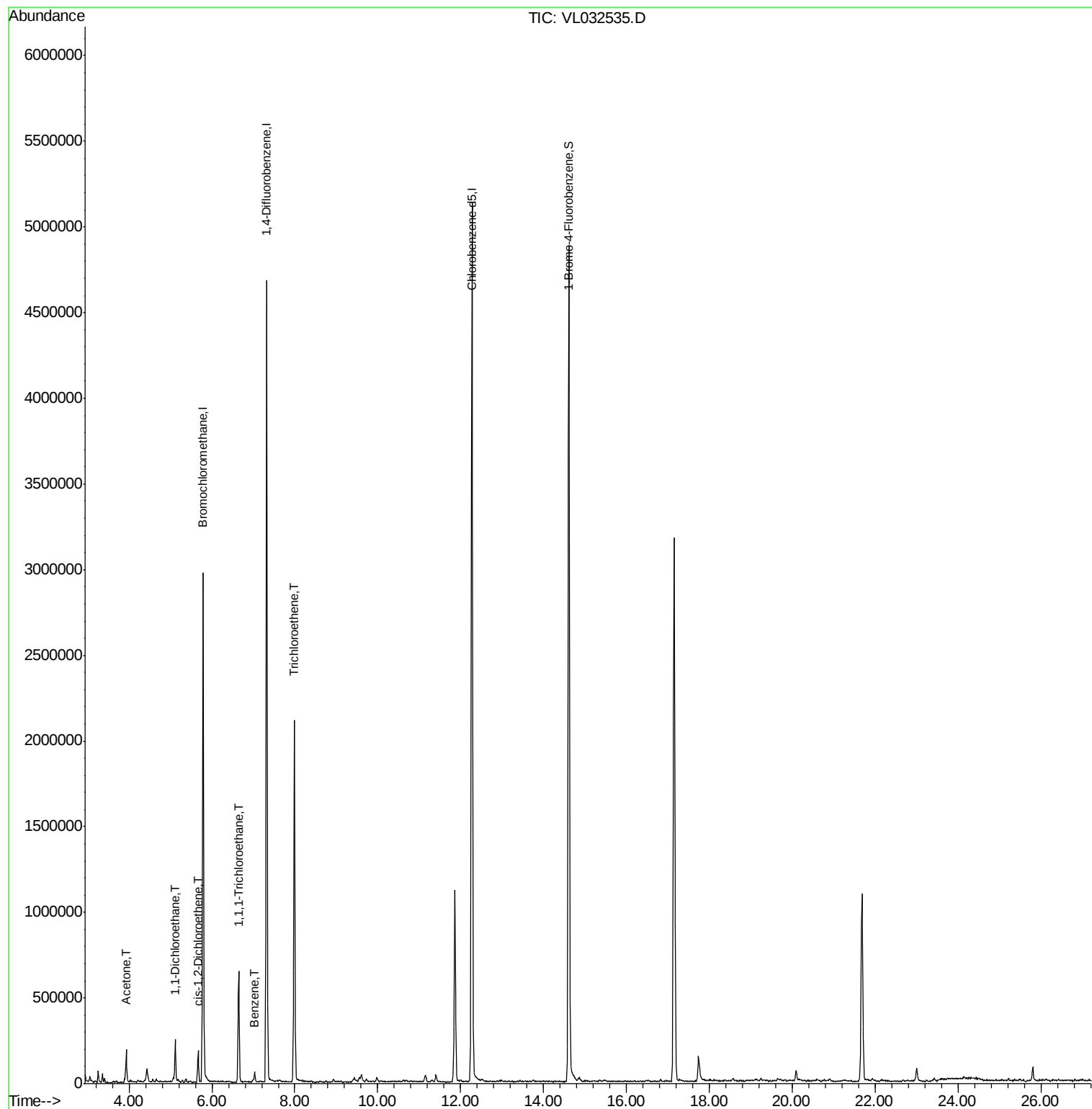
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.93	43	191395	1.446	ppbv	99
24) 1,1-Dichloroethane	5.11	63	199832	1.026	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	98559	0.713	ppbv	93
32) 1,1,1-Trichloroethane	6.65	97	411760	1.735	ppbv	98
36) Benzene	7.03	78	37591	0.143	ppbv	95
38) Trichloroethene	7.99	130	618584	6.141	ppbv	98

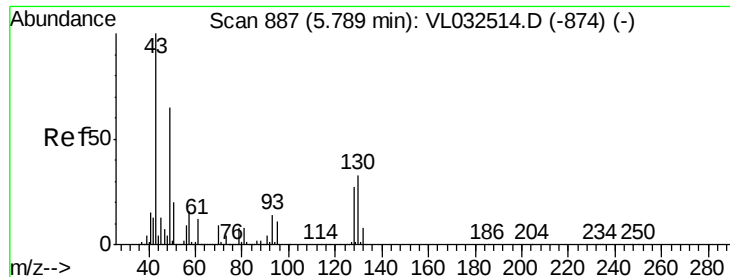
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Instrument :

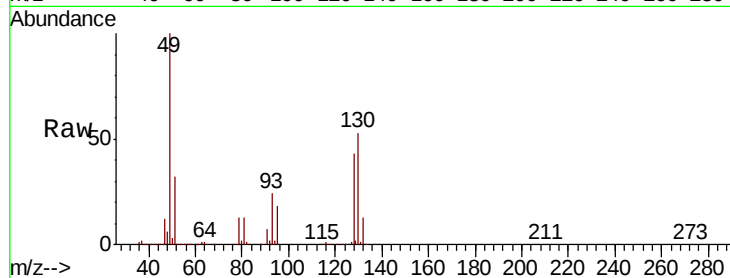
MSVOA_L

ClientSampleId :

SVE-INF2-092018DL

Tot Ion: 49 Resp: 1508291

Ion	Ratio	Lower	Upper
49	100		
128	43.1	20.7	62.1
130	54.5	26.6	79.7

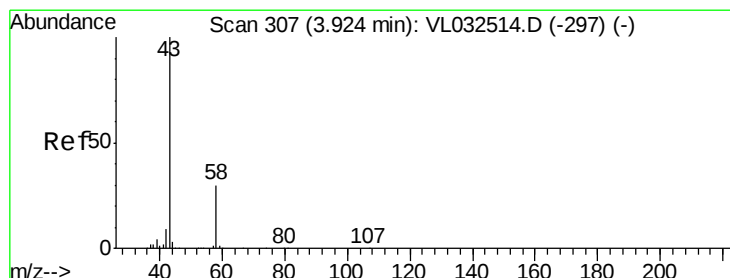
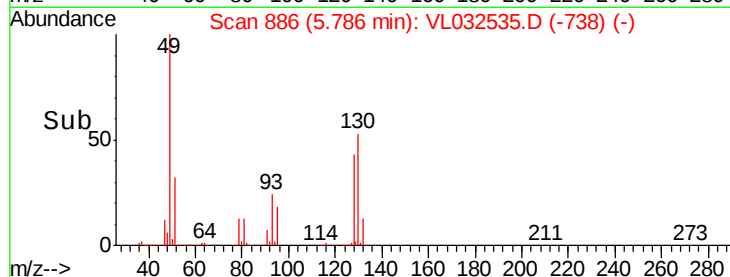


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#15

Acetone

Concen: 1.446 ppbv

RT: 3.93 min Scan# 309

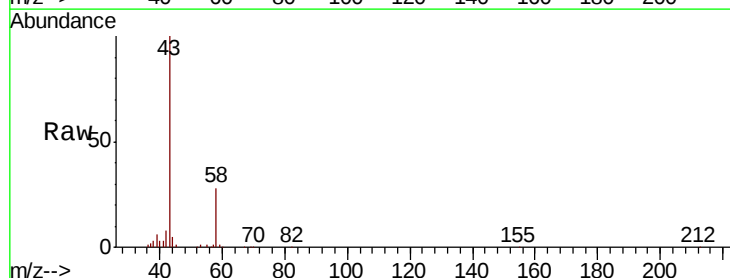
Delta R.T. -0.01 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Tgt Ion: 43 Resp: 191395

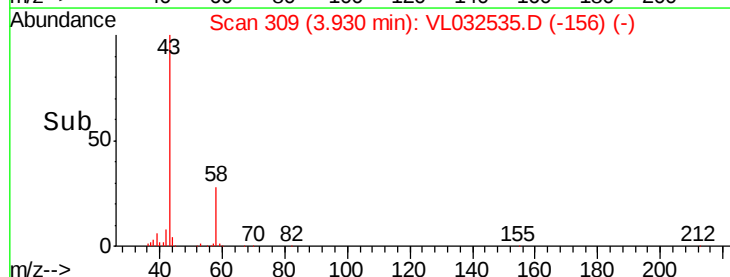
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.6	33.8

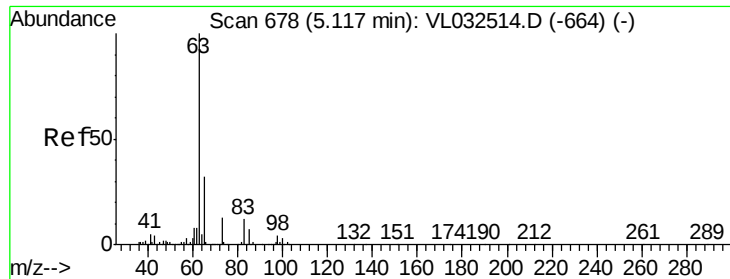


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Time-->





#24

1,1-Dichloroethane

Concen: 1.026 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018DL

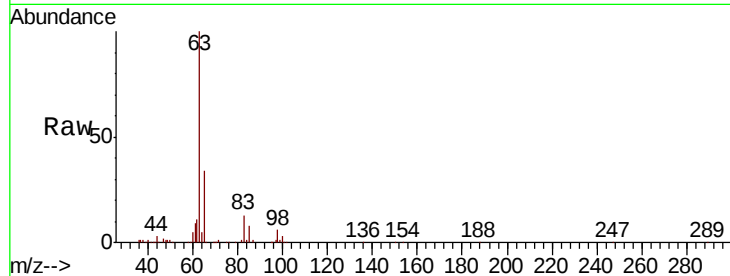
Tot Ion: 63 Resp: 199832

Ion Ratio Lower Upper

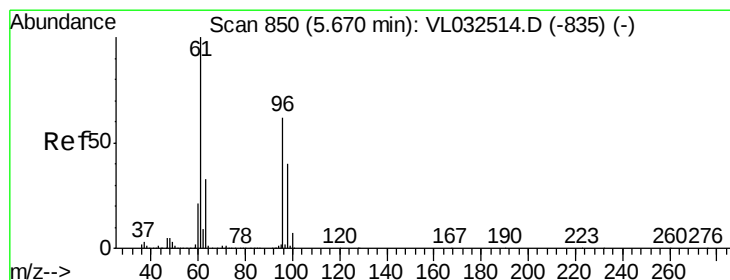
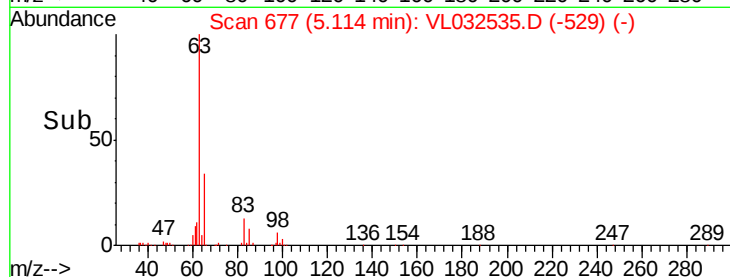
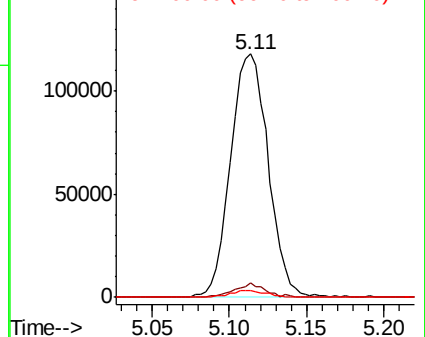
63 100

98 5.9 2.1 6.5

100 3.2 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.713 ppbv

RT: 5.67 min Scan# 849

Delta R.T. -0.02 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

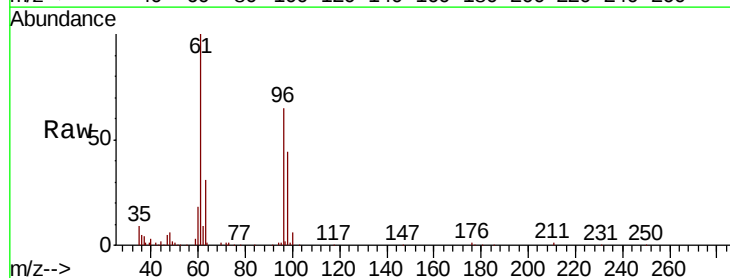
Tgt Ion: 61 Resp: 98559

Ion Ratio Lower Upper

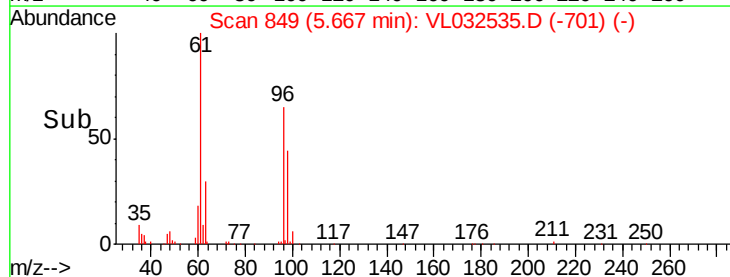
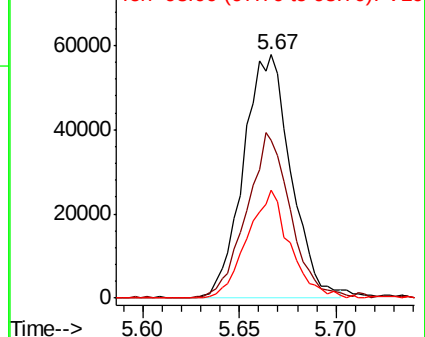
61 100

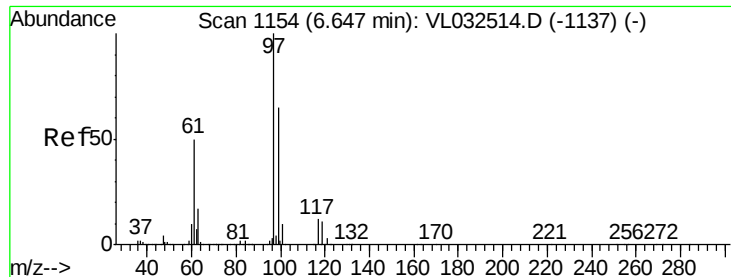
96 64.9 49.2 73.8

98 44.5 30.7 46.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 1.735 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018DL

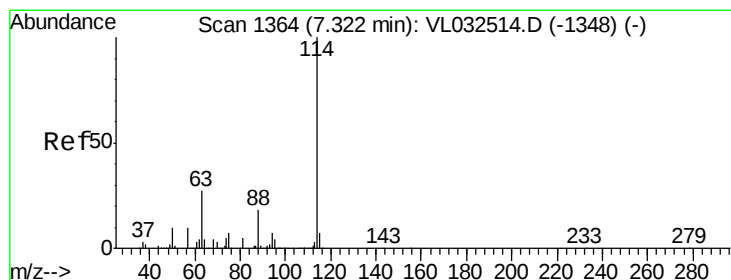
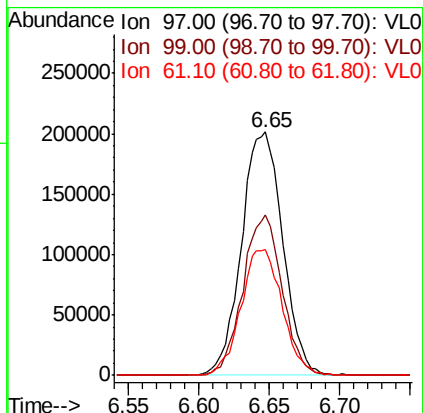
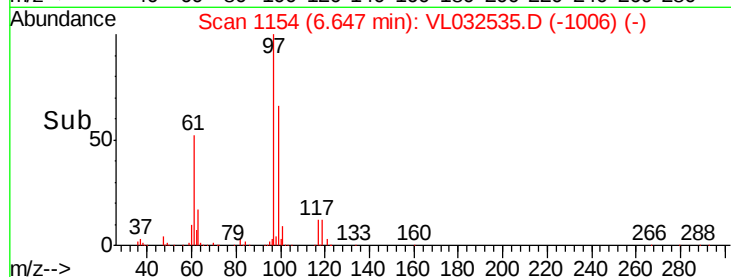
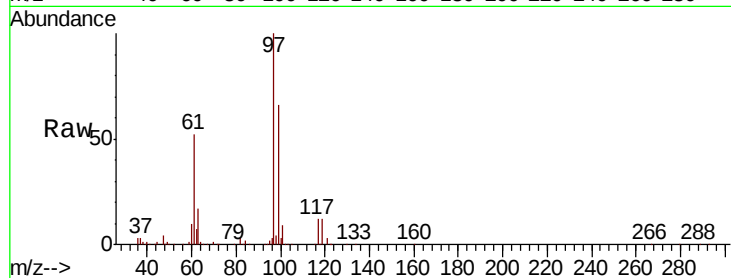
Tot Ion: 97 Resp: 411760

Ion Ratio Lower Upper

97 100

99 63.0 52.1 78.1

61 52.0 42.5 63.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

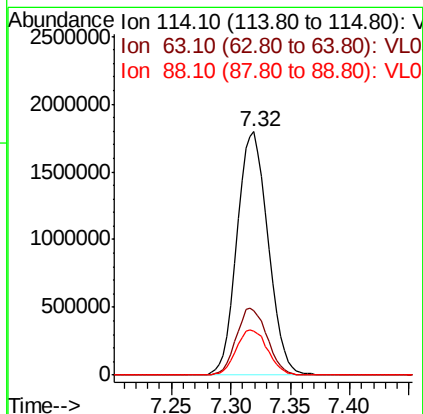
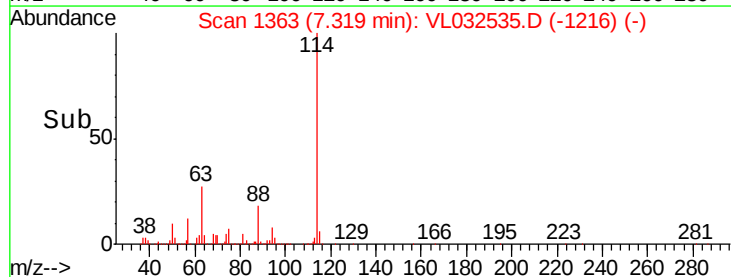
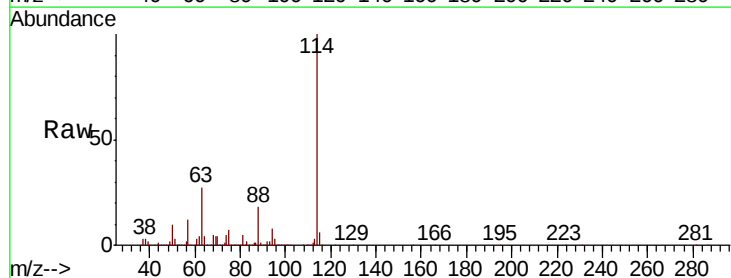
Tgt Ion: 114 Resp: 3256275

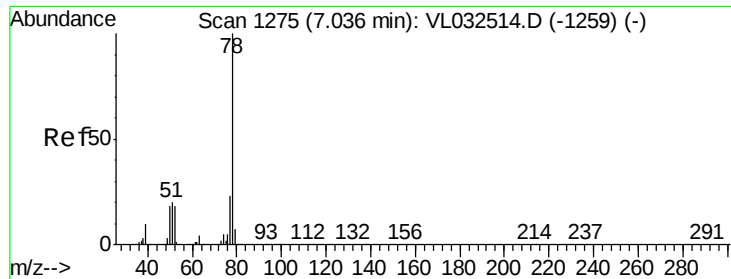
Ion Ratio Lower Upper

114 100

63 27.4 22.2 33.4

88 18.7 15.0 22.4





#36

Benzene

Concen: 0.143 ppbv

RT: 7.03 min Scan# 1273

Delta R.T. -0.03 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018DL

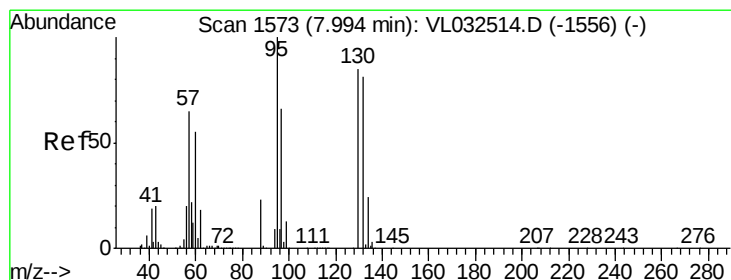
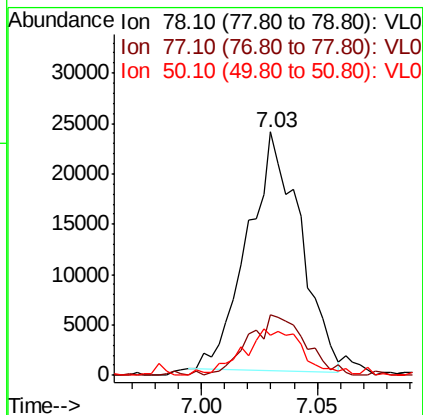
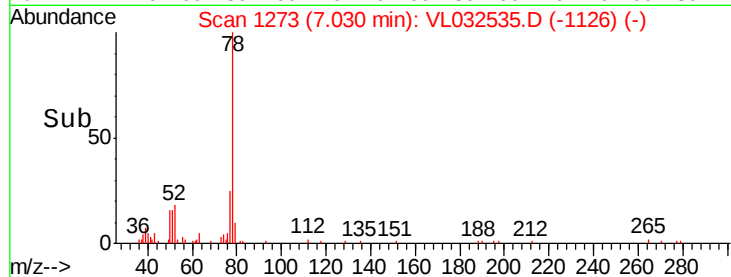
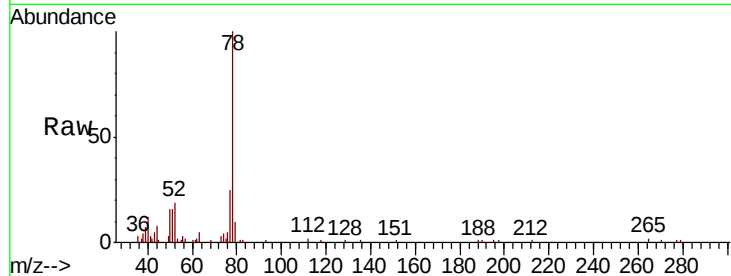
Tot Ion: 78 Resp: 37591

Ion Ratio Lower Upper

78 100

77 25.5 18.4 27.6

50 15.6 14.4 21.6



#38

Trichloroethene

Concen: 6.141 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Tgt Ion: 130 Resp: 618584

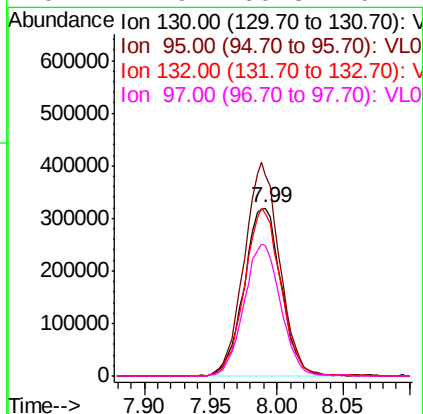
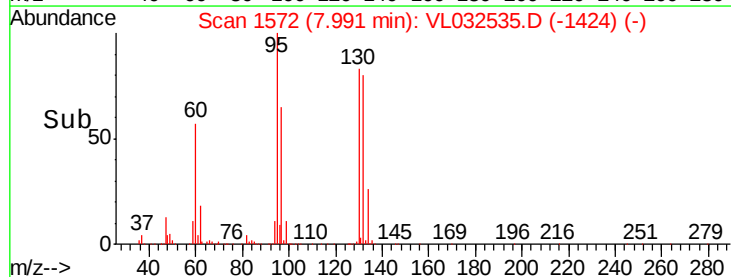
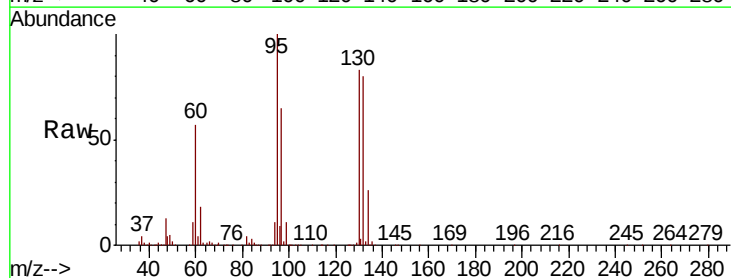
Ion Ratio Lower Upper

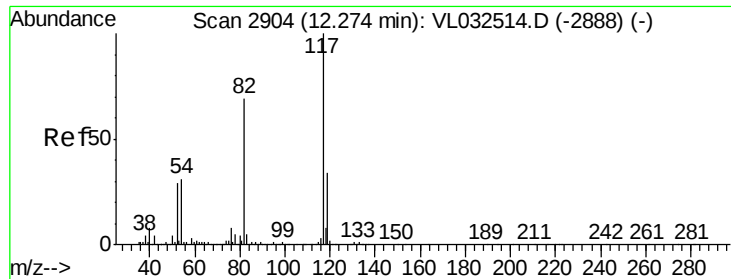
130 100

95 120.1 94.2 141.4

132 96.4 76.2 114.4

97 77.9 60.8 91.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

Instrument :

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ClientSampleId :

SVE-INF2-092018DL

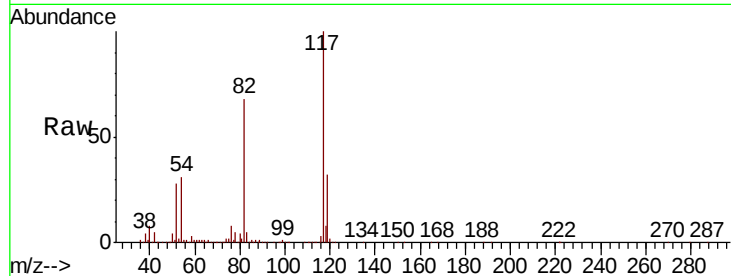
Tot Ion:117 Resp: 3226403

Ion Ratio Lower Upper

117 100

82 68.2 53.0 79.6

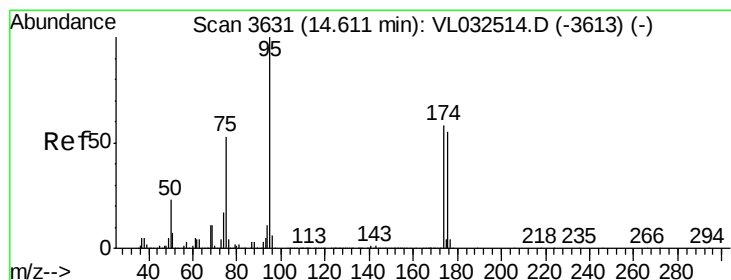
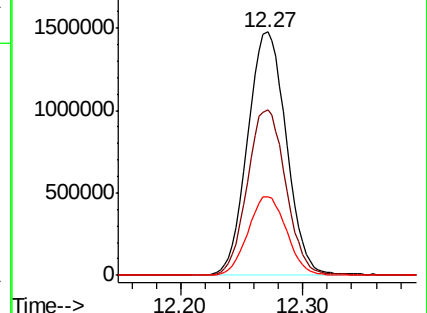
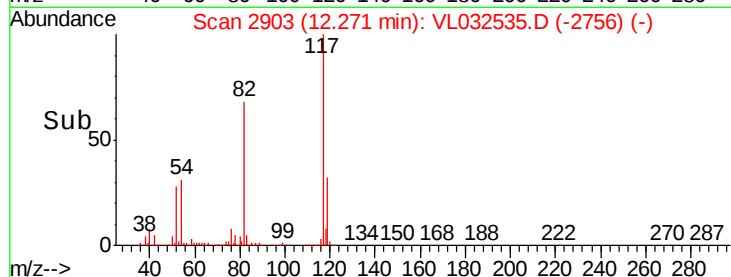
119 32.5 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.206 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032535.D

Acq: 25 Sep 2018 8:16

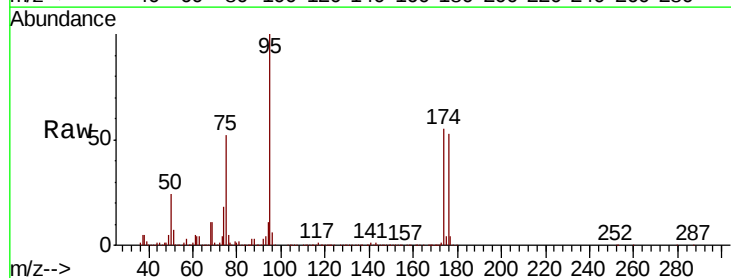
Tgt Ion: 95 Resp: 2483274

Ion Ratio Lower Upper

95 100

174 57.3 46.3 69.5

175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

