

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032559.D
 Acq On : 27 Sep 2018 21:26
 Operator : SY/AP
 Sample : J5034-06DL2 50X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL2

Quant Time: Sep 28 10:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1365850	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2991834	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3031290	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2185481	9.56	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

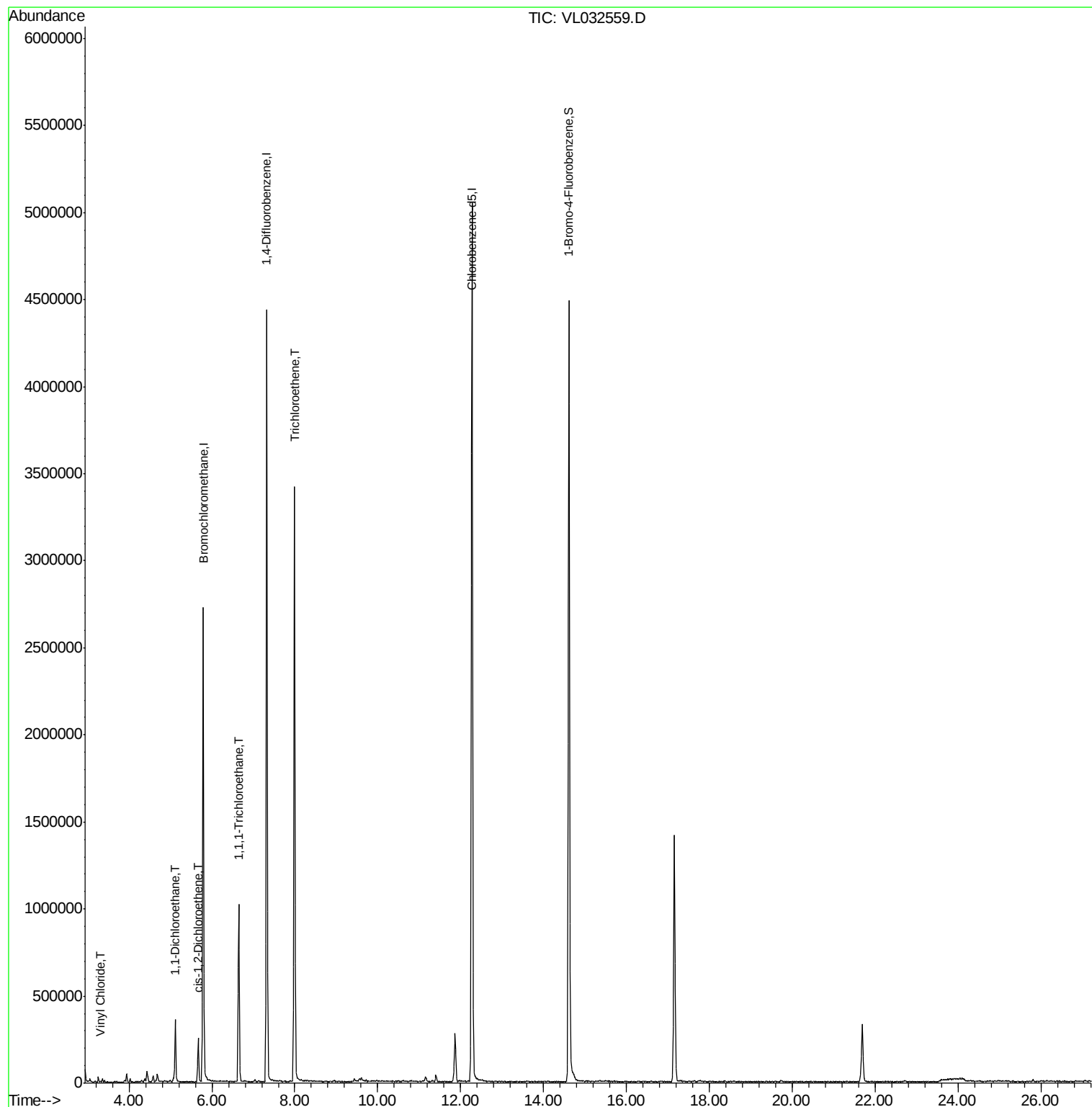
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.31	62	5694	0.085	ppbv	# 84
24) 1,1-Dichloroethane	5.12	63	292087	1.656	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	143681	1.148	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	637574	2.967	ppbv	99
38) Trichloroethene	7.99	130	1002655	10.834	ppbv	98

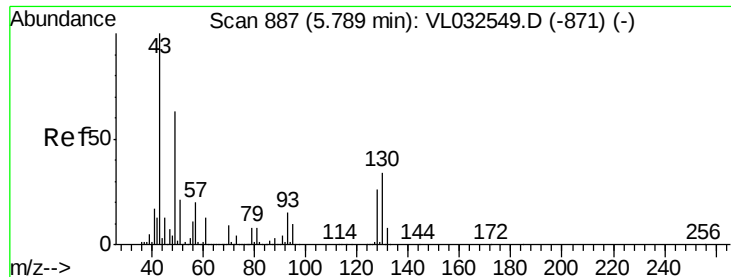
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

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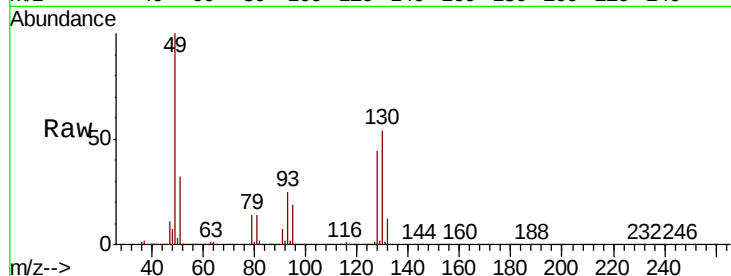
Tgt Ion: 49 Resp: 1365850

Ion Ratio Lower Upper

49 100

128 43.9 20.7 62.1

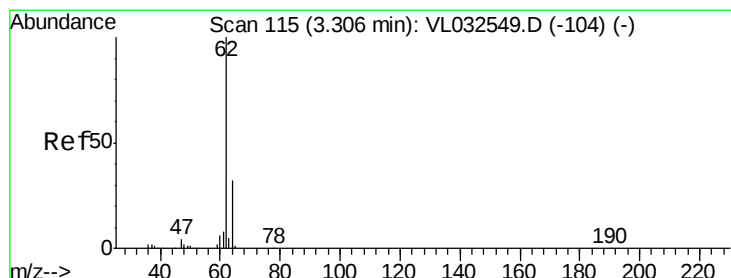
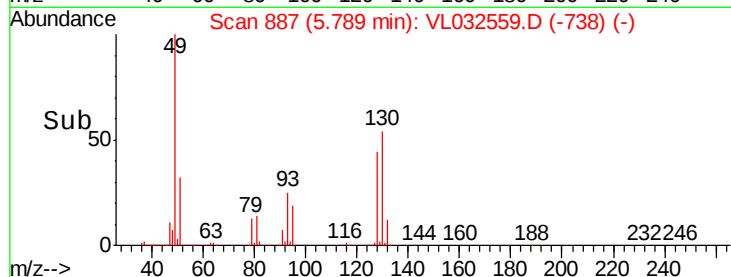
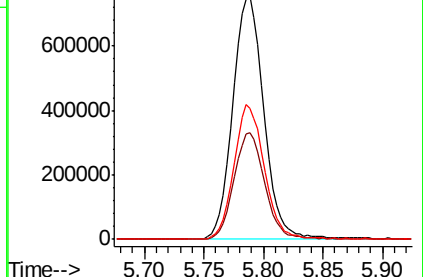
130 54.8 26.6 79.7



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



#5

Vinyl Chloride

Concen: 0.085 ppbv

RT: 3.31 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL032559.D

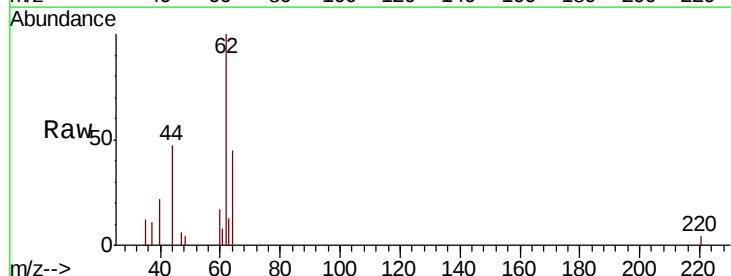
Acq: 27 Sep 2018 21:26

Tgt Ion: 62 Resp: 5694

Ion Ratio Lower Upper

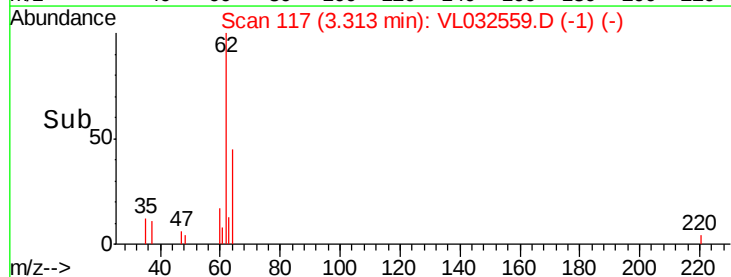
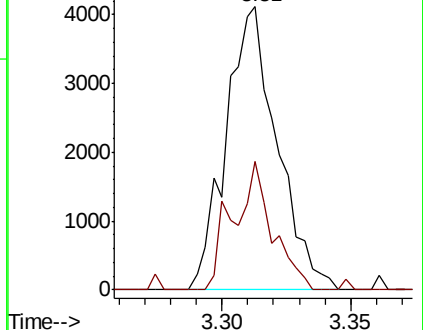
62 100

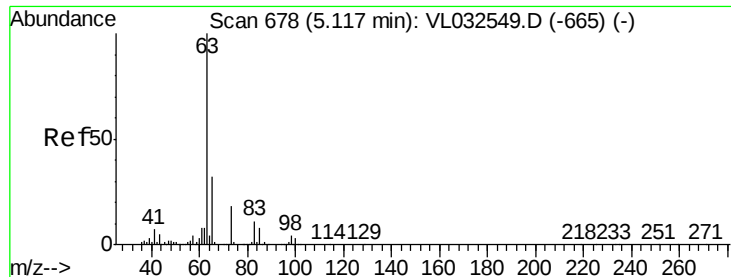
64 40.1 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#24

1,1-Dichloroethane

Concen: 1.656 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032559.D

Acq: 27 Sep 2018 21:26

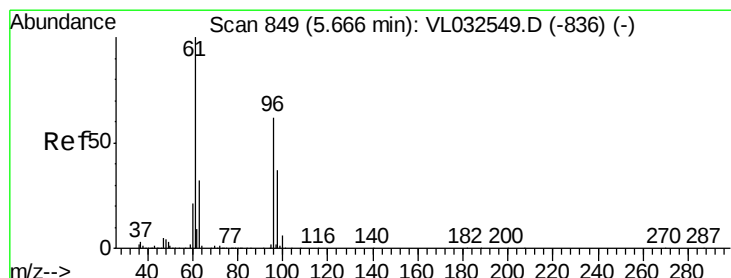
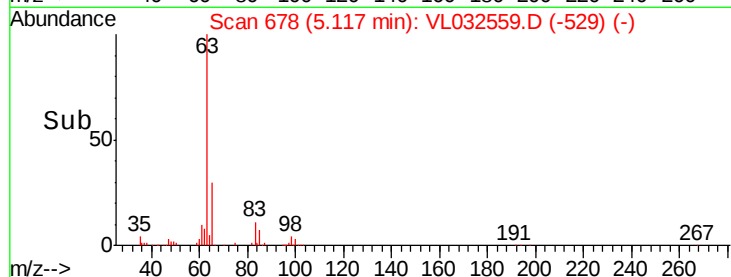
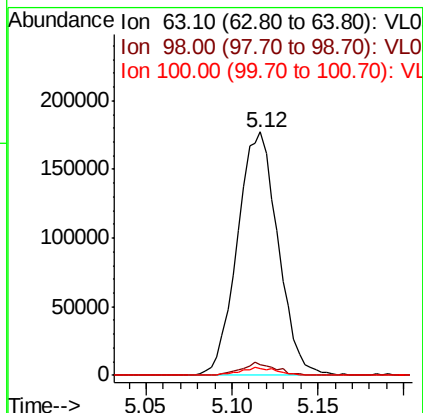
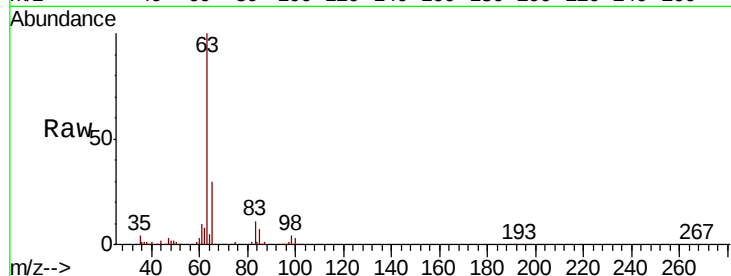
Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL2

Tgt Ion:	63	Resp:	292087
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.6	1.5	4.4



#31

cis-1,2-Dichloroethene

Concen: 1.148 ppbv

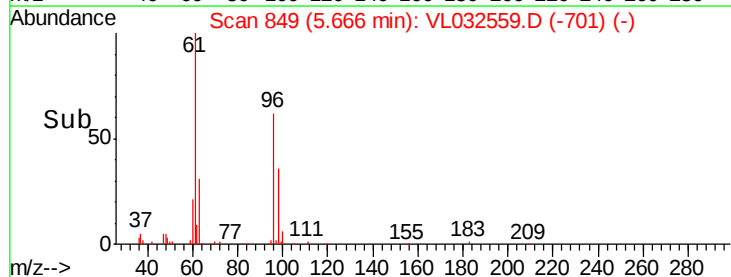
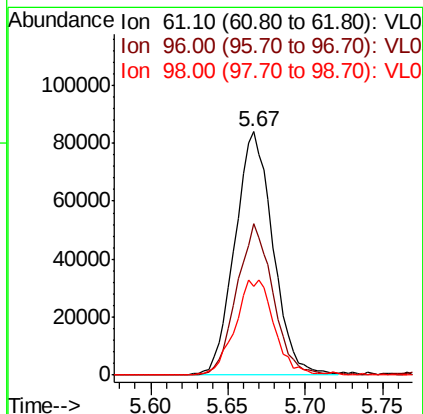
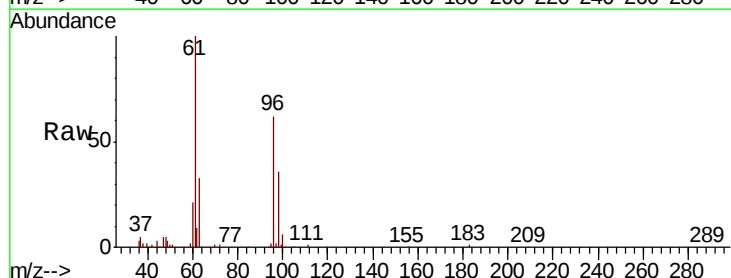
RT: 5.67 min Scan# 849

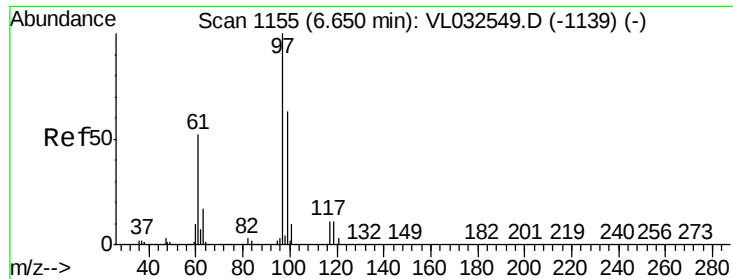
Delta R.T. -0.02 min

Lab File: VL032559.D

Acq: 27 Sep 2018 21:26

Tgt Ion:	61	Resp:	143681
Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.2	73.8
98	36.5	30.7	46.1





#32

1,1,1-Trichloroethane

Concen: 2.967 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032559.D

Acq: 27 Sep 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL2

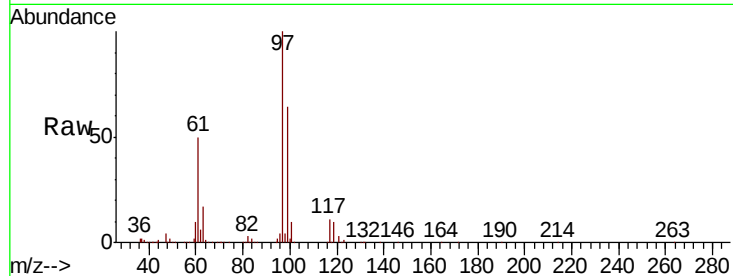
Tgt Ion: 97 Resp: 637574

Ion Ratio Lower Upper

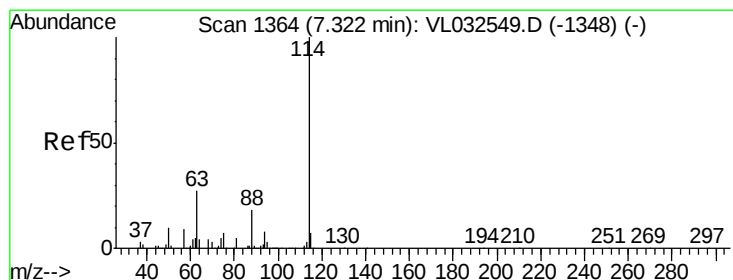
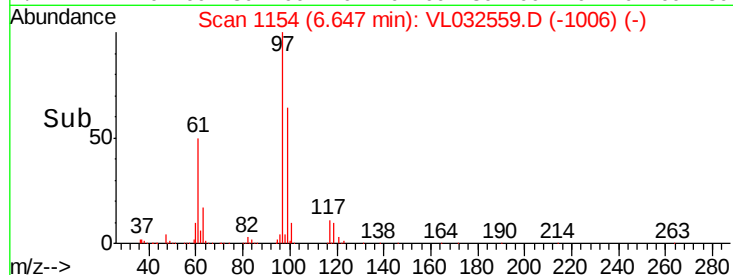
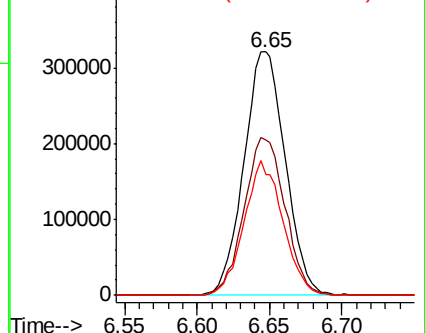
97 100

99 64.4 52.1 78.1

61 52.0 42.5 63.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032559.D

Acq: 27 Sep 2018 21:26

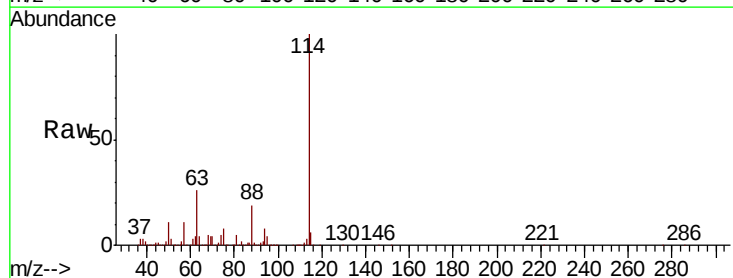
Tgt Ion: 114 Resp: 2991834

Ion Ratio Lower Upper

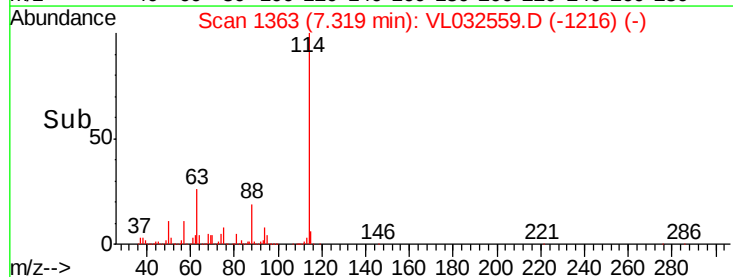
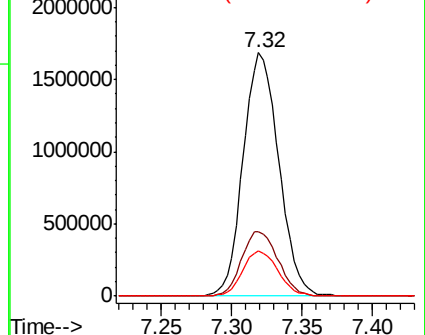
114 100

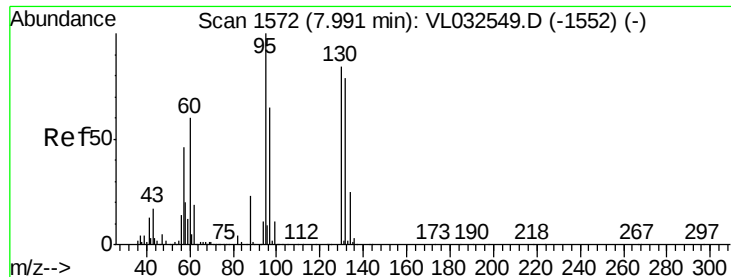
63 27.1 22.2 33.4

88 18.4 15.0 22.4



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

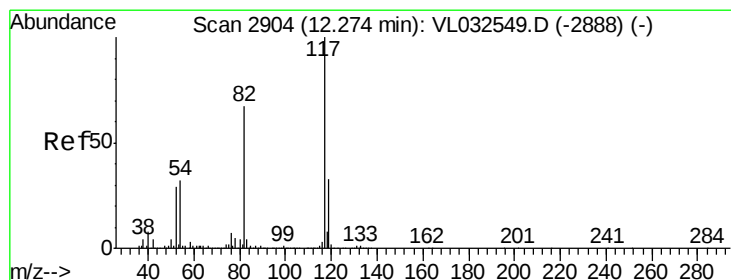
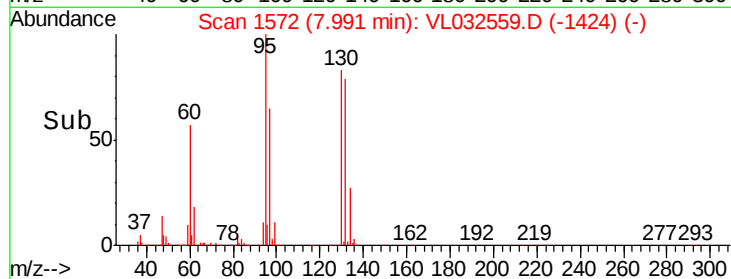
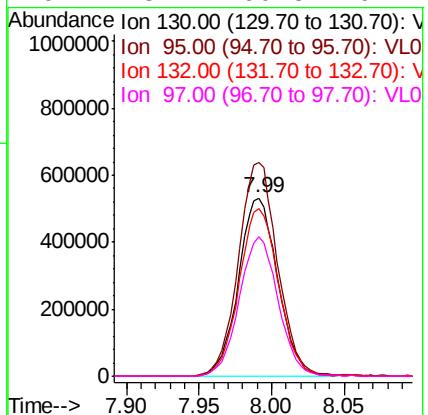
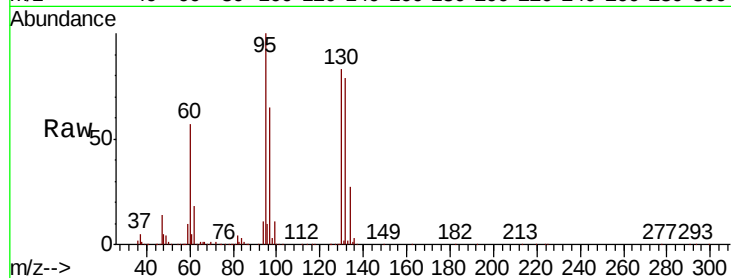




#38
 Trichloroethene
 Concen: 10.834 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032559.D
 Acq: 27 Sep 2018 21:26

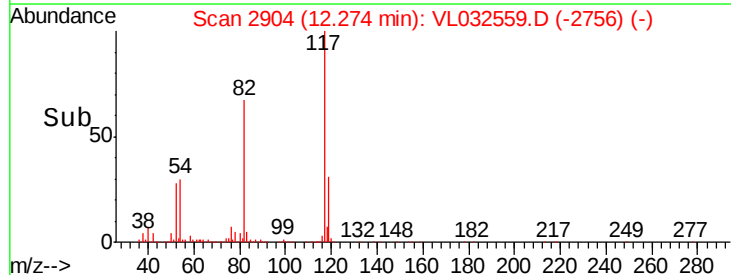
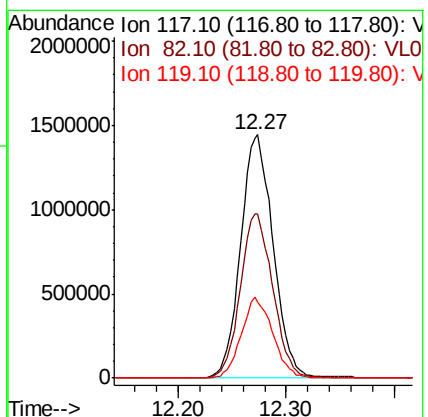
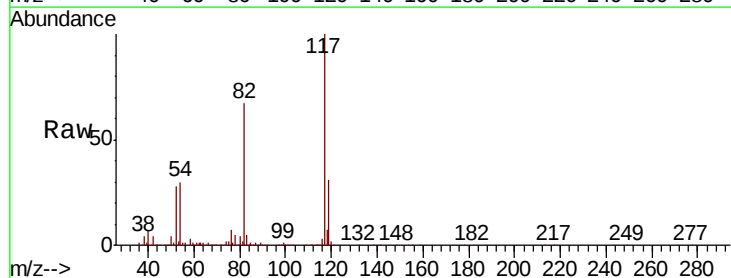
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL2

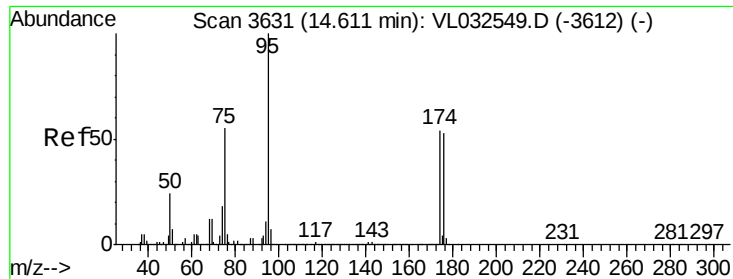
Tgt Ion:130 Resp: 1002655
 Ion Ratio Lower Upper
 130 100
 95 119.7 94.2 141.4
 132 94.1 76.2 114.4
 97 78.1 60.8 91.2



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.27 min Scan# 2904
 Delta R.T. -0.02 min
 Lab File: VL032559.D
 Acq: 27 Sep 2018 21:26

Tgt Ion:117 Resp: 3031290
 Ion Ratio Lower Upper
 117 100
 82 68.0 53.0 79.6
 119 32.2 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.561 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032559.D

Acq: 27 Sep 2018 21:26

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL2

Tgt Ion: 95 Resp: 2185481

Ion Ratio Lower Upper

95 100

174 58.5 46.3 69.5

175 4.2 3.4 5.0

