

Data File : VL032560.D
Acq On : 27 Sep 2018 22:05
Operator : SY/AP
Sample : J5034-06DL2 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL2

Quant Time: Sep 28 02:10:24 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	1310701	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2902127	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3053916	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2135160	9.27	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

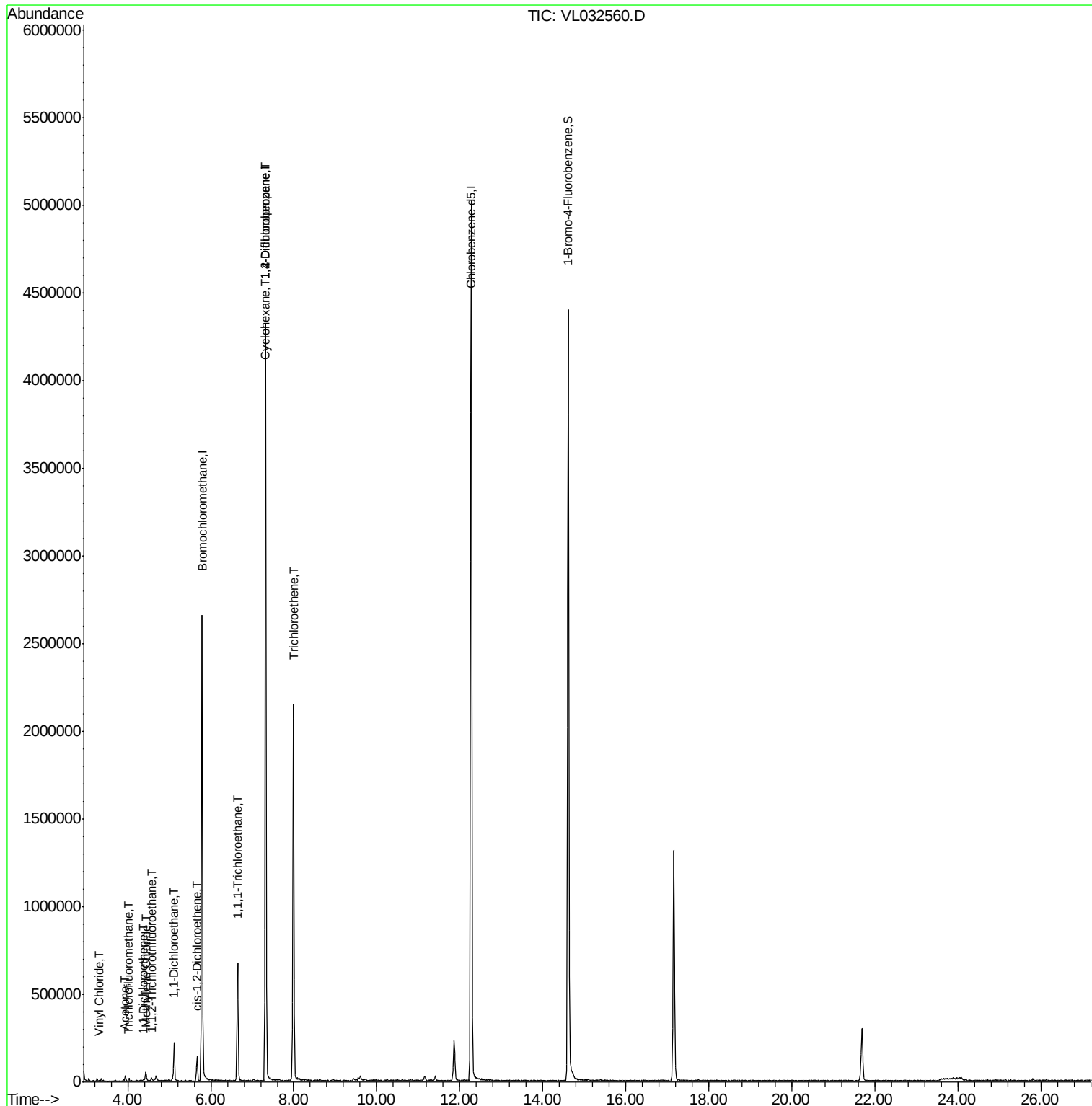
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.31	62	1950	0.030	ppbv	97
11) Trichlorofluoromethane	4.02	101	8377	0.058	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	4631	0.039	ppbv #	49
15) Acetone	3.94	43	17190	0.149	ppbv #	47
18) 1,1-Dichloroethene	4.37	96	1929	0.035	ppbv #	93
20) Methylene Chloride	4.44	84	13649	0.245	ppbv	87
24) 1,1-Dichloroethane	5.11	63	176817	1.044	ppbv	98
30) Cyclohexane	7.30	84	8190	0.080	ppbv #	1
31) cis-1,2-Dichloroethene	5.67	61	79844	0.665	ppbv	91
32) 1,1,1-Trichloroethane	6.65	97	409576	1.986	ppbv	97
38) Trichloroethene	7.99	130	600321	6.687	ppbv	97
39) 1,2-Dichloropropane	7.32	63	796289	7.534	ppbv #	25

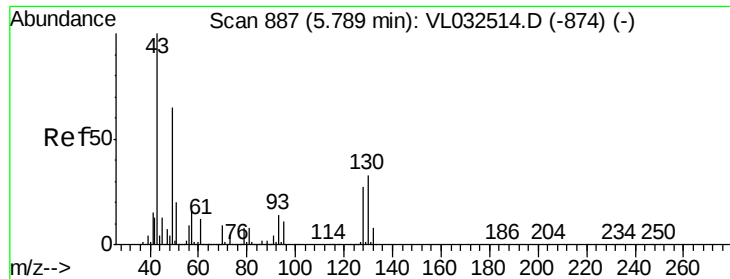
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032560.D

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Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL2

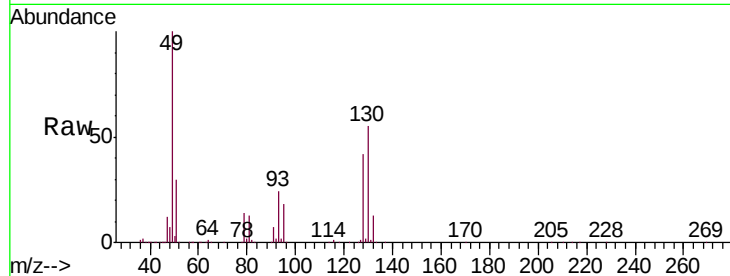
Tgt Ion: 49 Resp: 1310701

Ion Ratio Lower Upper

49 100

128 43.6 20.7 62.1

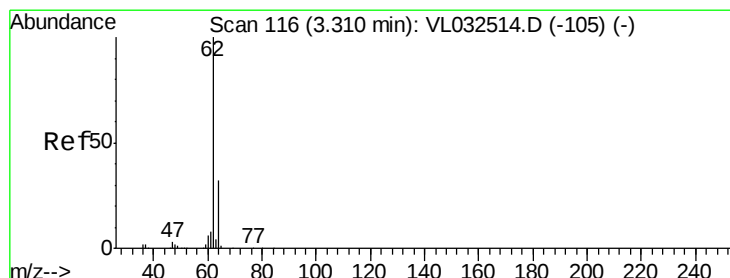
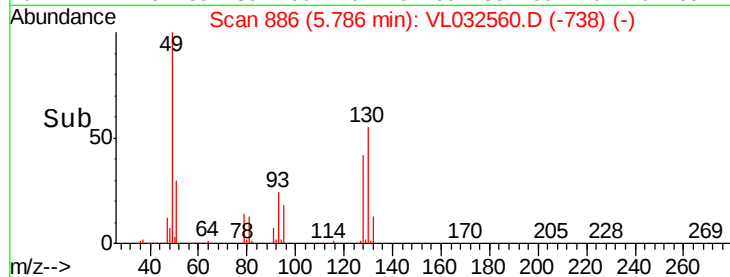
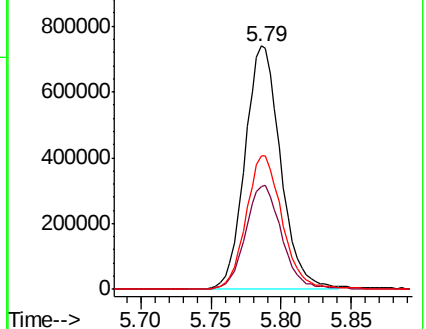
130 55.9 26.6 79.7



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: 0.030 ppbv

RT: 3.31 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL032560.D

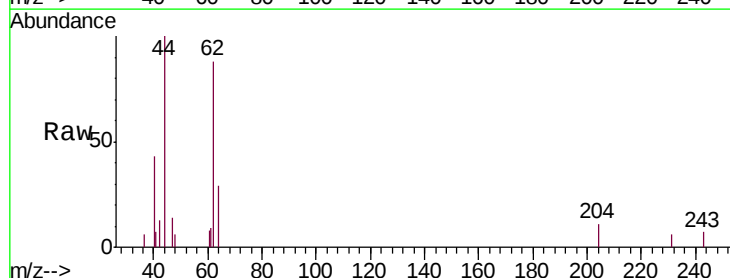
Acq: 27 Sep 2018 22:05

Tgt Ion: 62 Resp: 1950

Ion Ratio Lower Upper

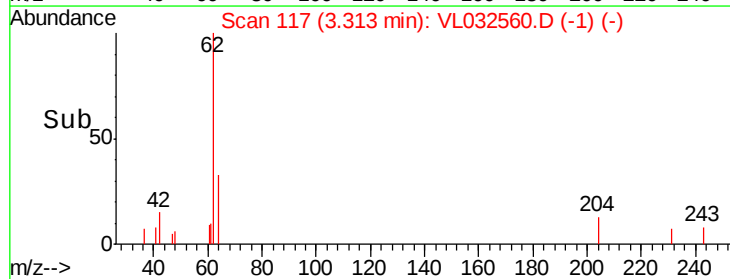
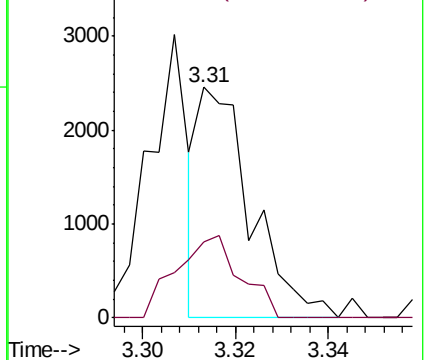
62 100

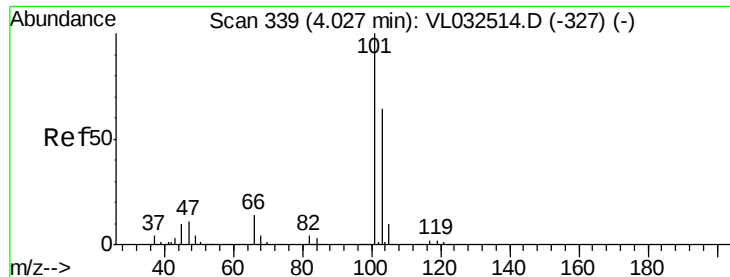
64 33.2 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#11

Trichlorofluoromethane

Concen: 0.058 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032560.D

Acq: 27 Sep 2018 22:05

Instrument :

MSVOA_L

ClientSampleId :

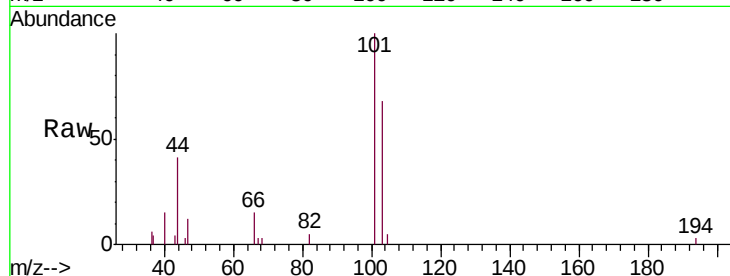
SVE-INF3-092018DL2

Tgt Ion:101 Resp: 8377

Ion Ratio Lower Upper

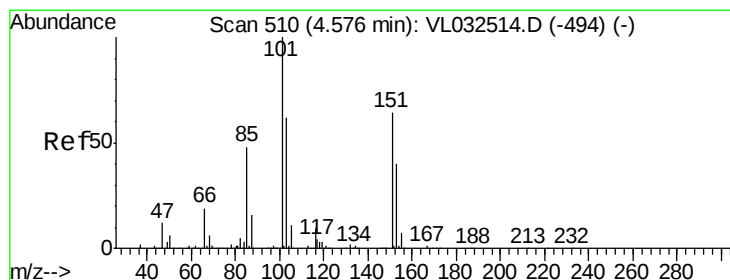
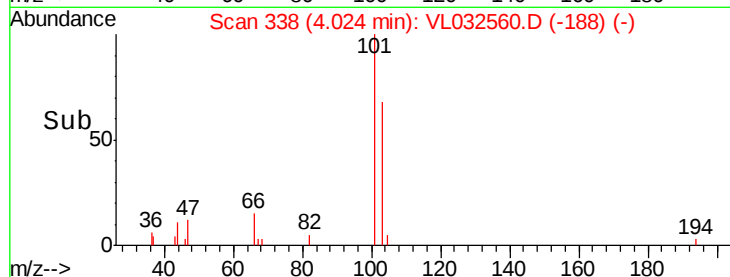
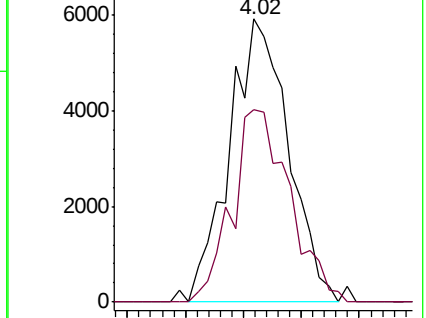
101 100

103 68.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.039 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032560.D

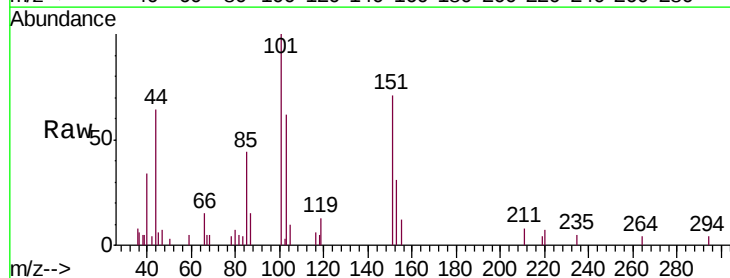
Acq: 27 Sep 2018 22:05

Tgt Ion:101 Resp: 4631

Ion Ratio Lower Upper

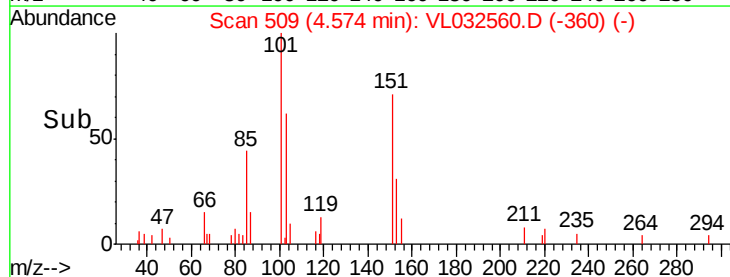
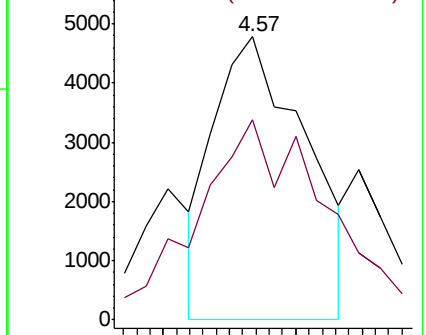
101 100

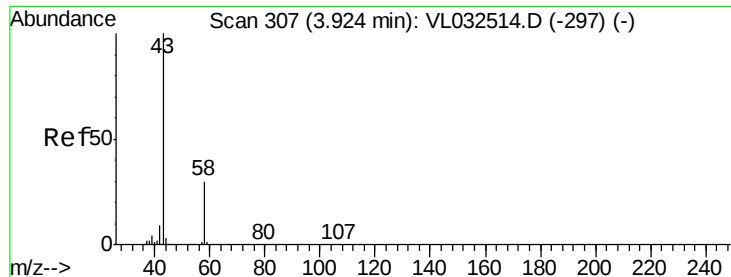
151 106.1 52.6 78.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#15

Acetone

Concen: 0.149 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.00 min

Lab File: VL032560.D

Acq: 27 Sep 2018 22:05

Instrument :

MSVOA_L

ClientSampleId :

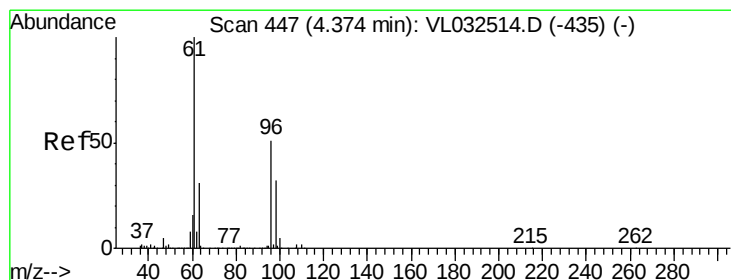
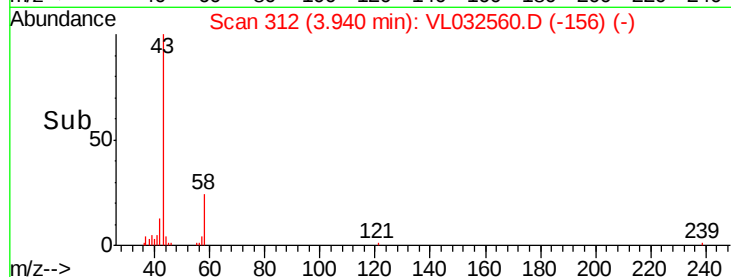
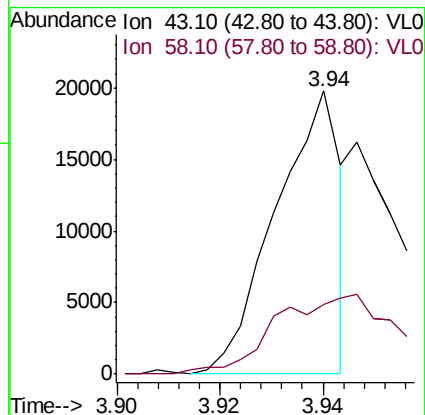
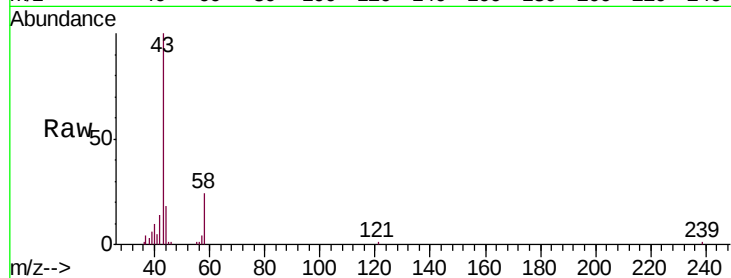
SVE-INF3-092018DL2

Tgt Ion: 43 Resp: 17190

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



#18

1,1-Dichloroethene

Concen: 0.035 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032560.D

Acq: 27 Sep 2018 22:05

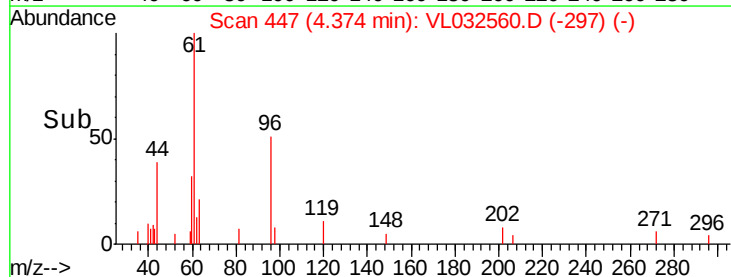
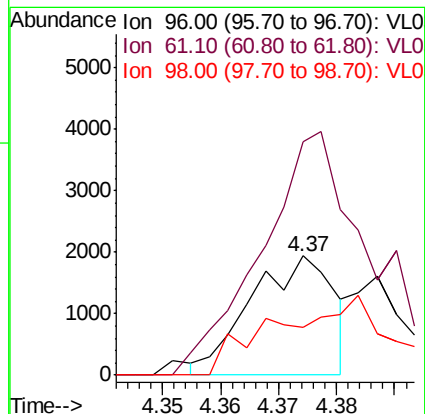
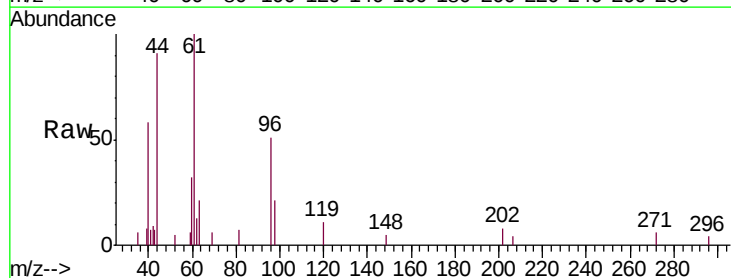
Tgt Ion: 96 Resp: 1929

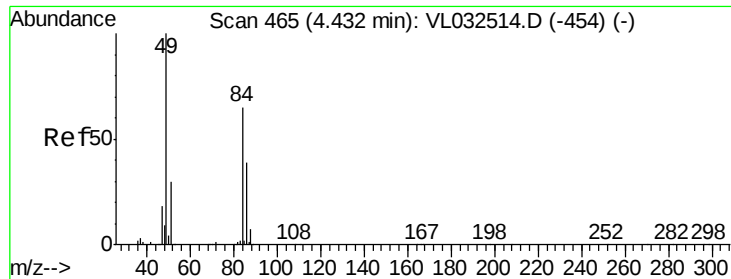
Ion Ratio Lower Upper

96 100

61 196.9 159.2 238.8

98 44.8 51.0 76.4#

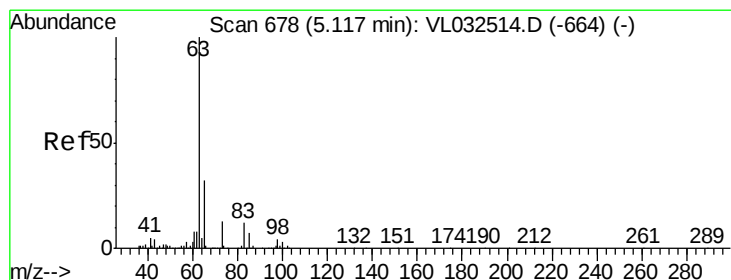
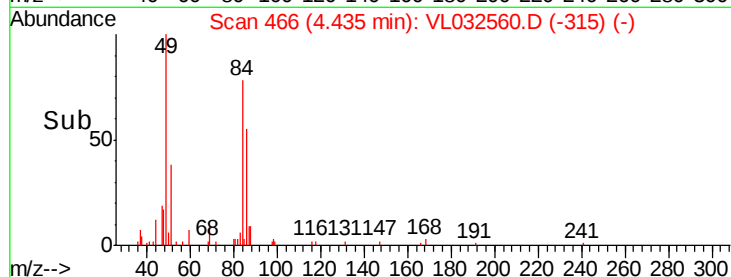
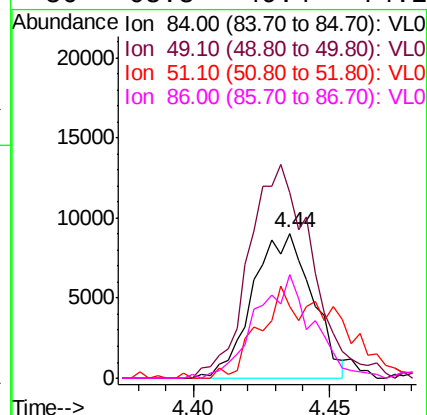
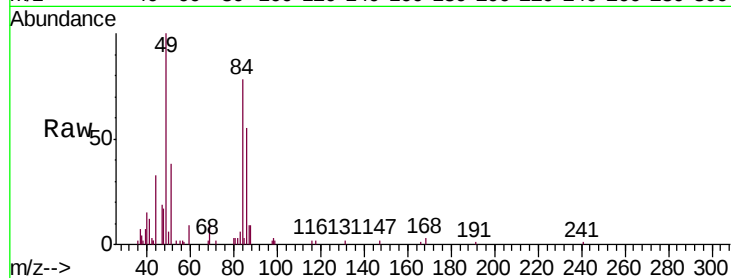




#20
Methylene Chloride
Concen: 0.245 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

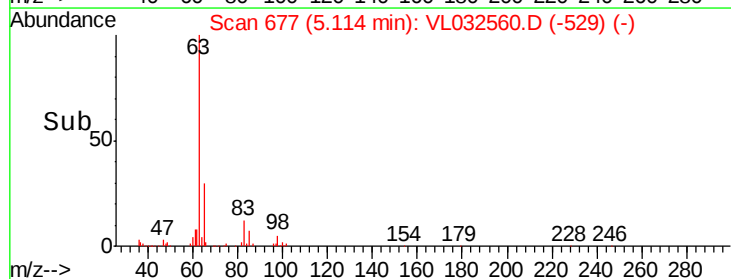
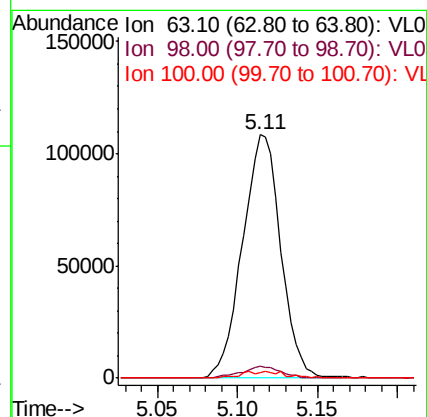
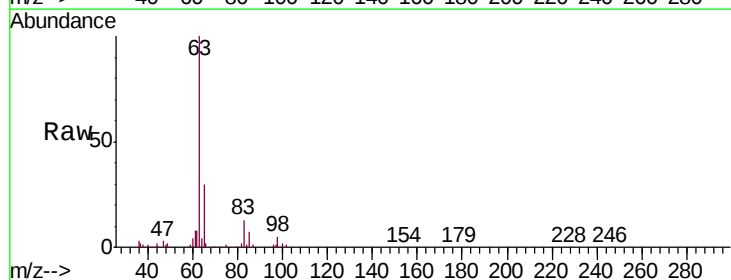
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL2

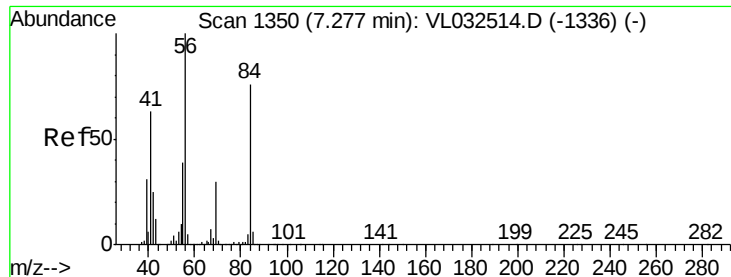
Tgt Ion:	84	Resp:	13649
Ion	Ratio	Lower	Upper
84	100		
49	128.7	119.1	178.7
51	49.3	35.2	52.8
86	68.8	49.4	74.2



#24
1,1-Dichloroethane
Concen: 1.044 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.02 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

Tgt Ion:	63	Resp:	176817
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.5
100	2.1	1.5	4.4

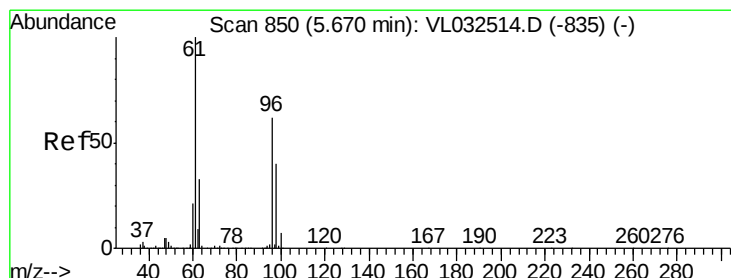
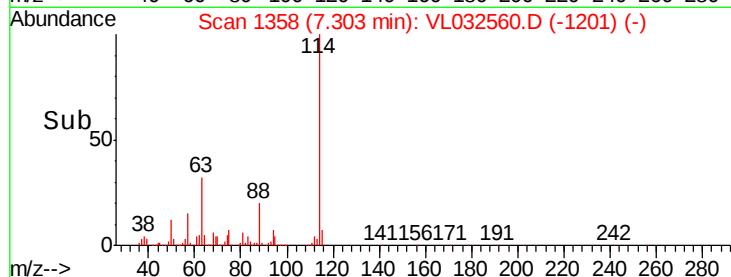
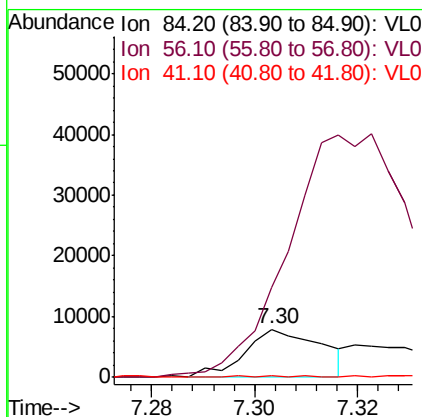
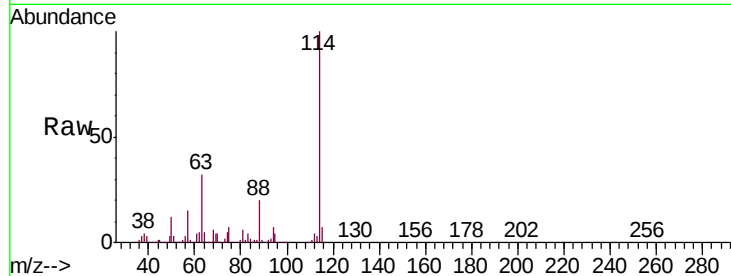




#30
Cyclohexane
Concen: 0.080 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

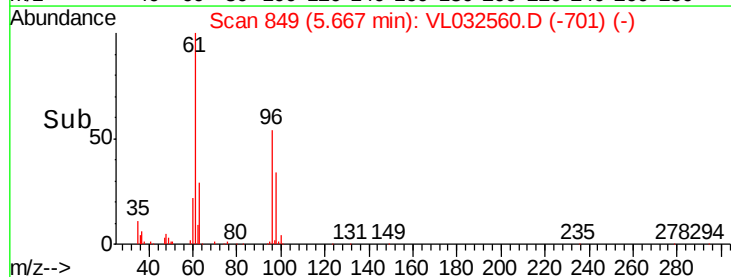
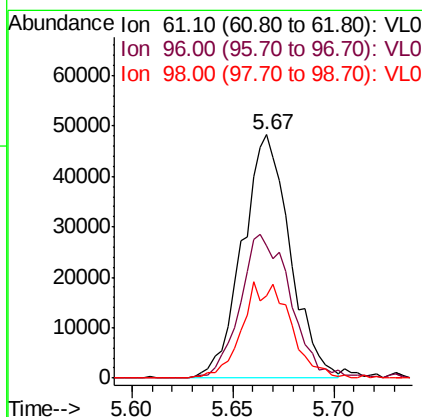
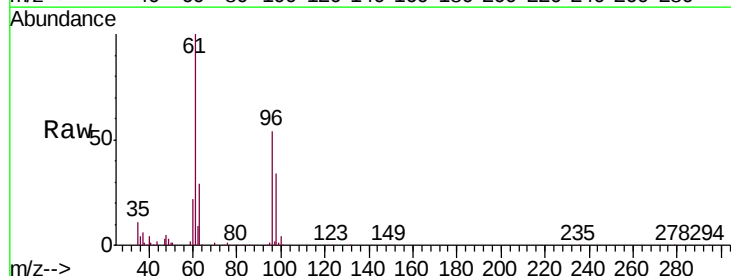
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL2

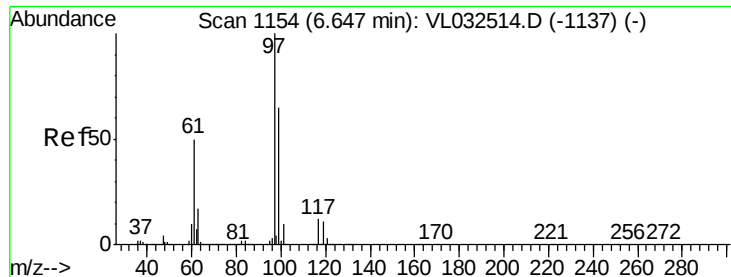
Tgt Ion: 84 Resp: 8190
Ion Ratio Lower Upper
84 100
56 0.0 113.5 170.3#
41 0.0 68.1 102.1#



#31
cis-1,2-Dichloroethene
Concen: 0.665 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

Tgt Ion: 61 Resp: 79844
Ion Ratio Lower Upper
61 100
96 54.5 49.2 73.8
98 33.6 30.7 46.1





#32

1,1,1-Trichloroethane

Concen: 1.986 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032560.D

Acq: 27 Sep 2018 22:05

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-092018DL2

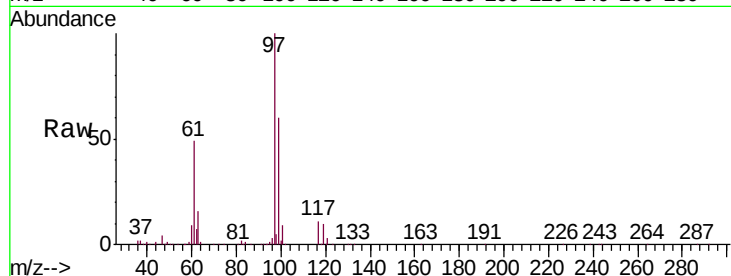
Tgt Ion: 97 Resp: 409576

Ion Ratio Lower Upper

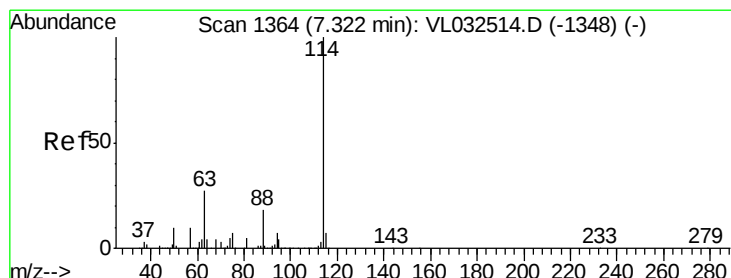
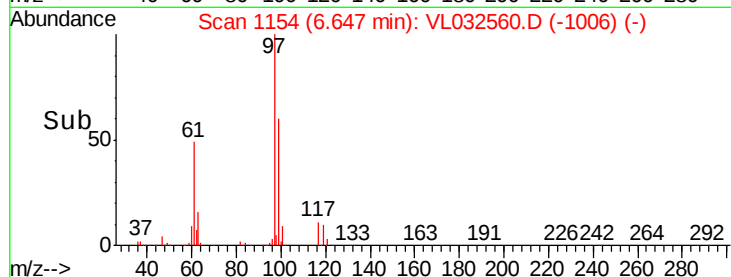
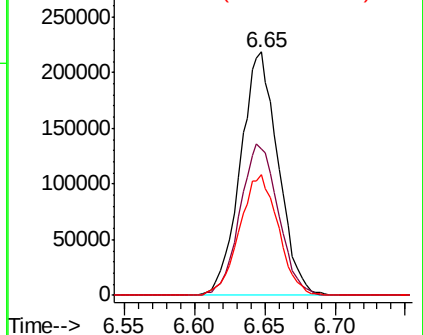
97 100

99 63.3 52.1 78.1

61 50.9 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: VL032560.D

Acq: 27 Sep 2018 22:05

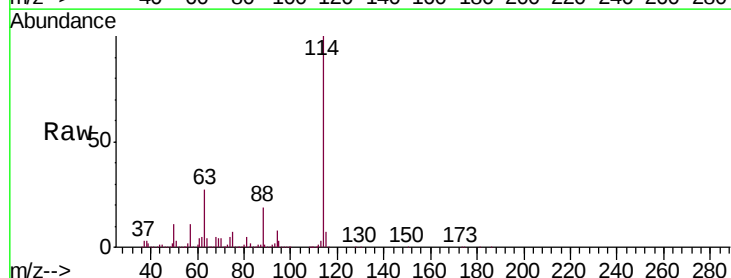
Tgt Ion: 114 Resp: 2902127

Ion Ratio Lower Upper

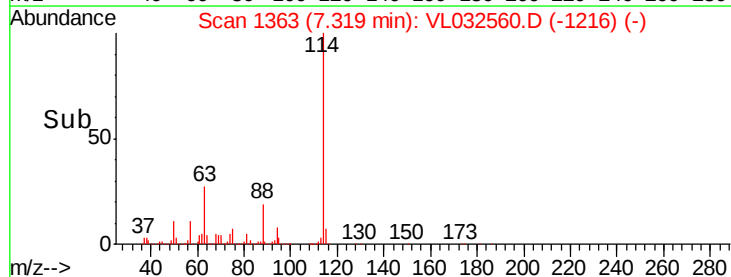
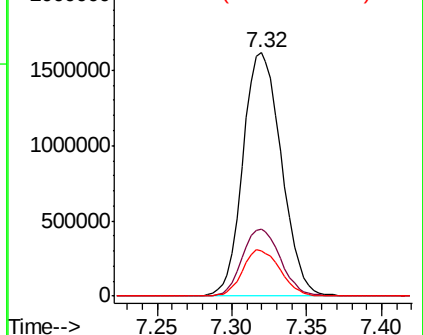
114 100

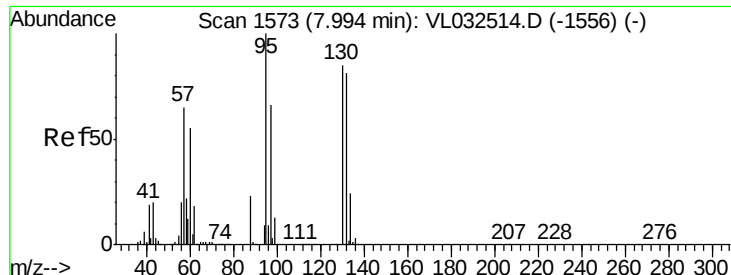
63 27.5 22.2 33.4

88 18.6 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

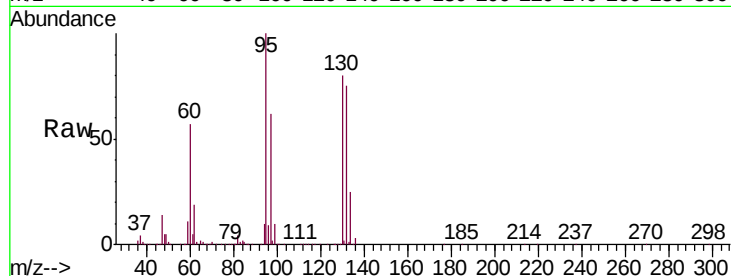




#38
 Trichloroethene
 Concen: 6.687 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032560.D
 Acq: 27 Sep 2018 22:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-092018DL2

Tgt Ion	Ratio	Lower	Upper
130	100		
95	124.9	94.2	141.4
132	93.8	76.2	114.4
97	76.9	60.8	91.2



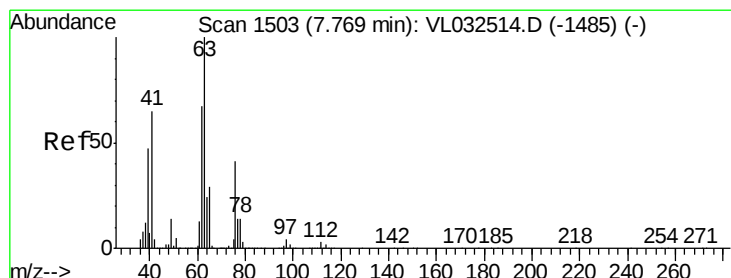
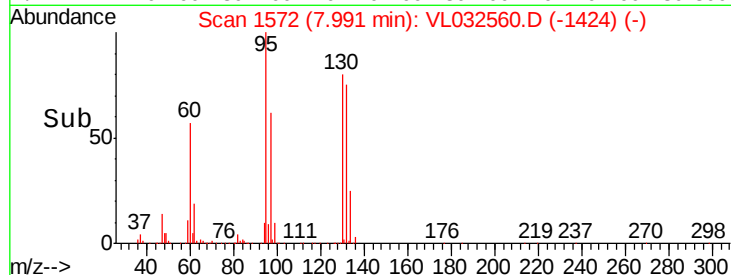
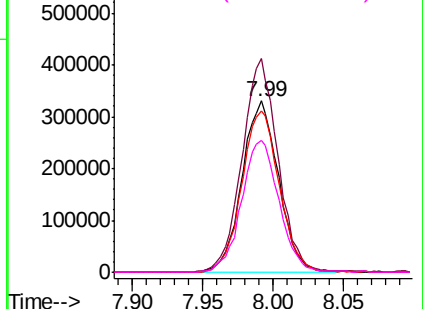
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

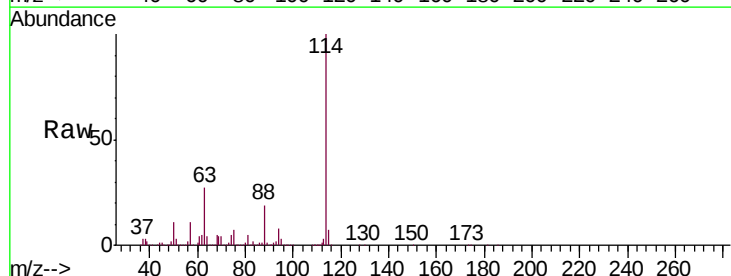
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39
 1,2-Dichloropropane
 Concen: 7.534 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.47 min
 Lab File: VL032560.D
 Acq: 27 Sep 2018 22:05

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	16.7	55.4	83.0#

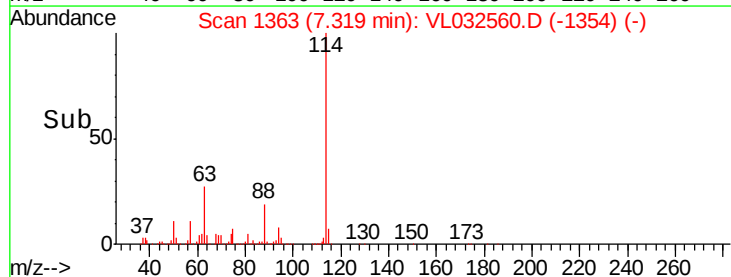
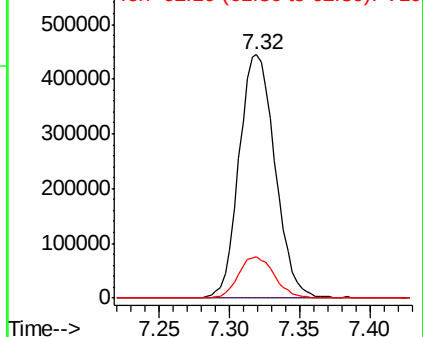


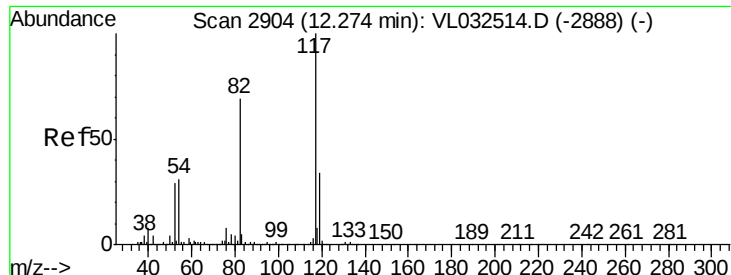
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

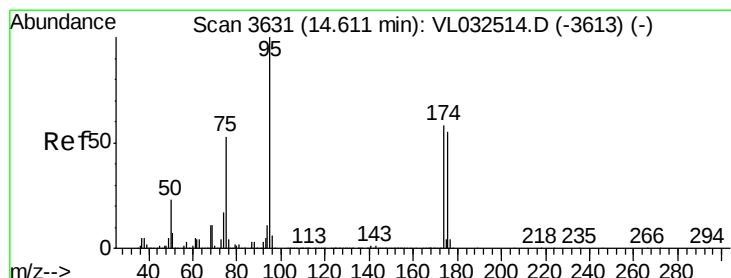
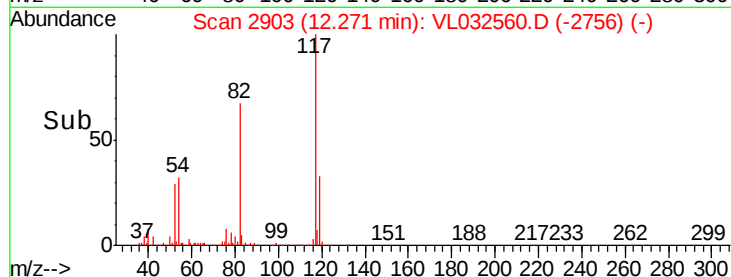
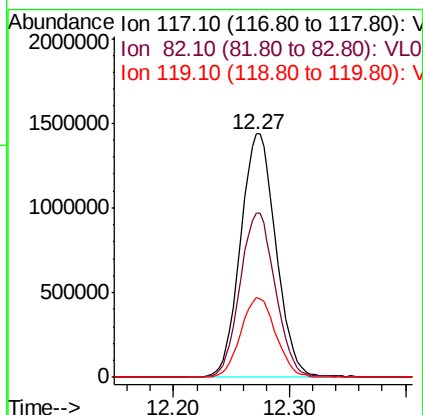
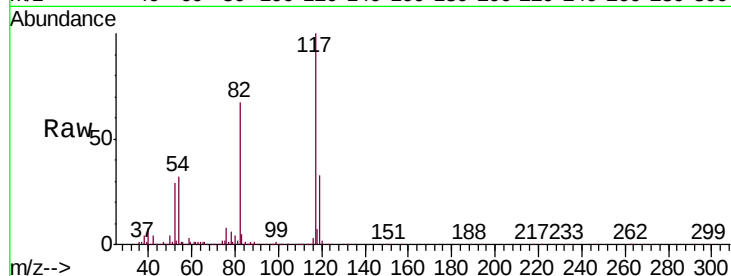




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-092018DL2

Tgt Ion: 117 Resp: 3053916
Ion Ratio Lower Upper
117 100
82 67.8 53.0 79.6
119 32.8 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.271 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032560.D
Acq: 27 Sep 2018 22:05

Tgt Ion: 95 Resp: 2135160
Ion Ratio Lower Upper
95 100
174 58.2 46.3 69.5
175 4.2 3.4 5.0

