

Data File : VL031870.D
Acq On : 12 Apr 2018 18:06
Operator : SY/AP
Sample : J2191-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-040218DL

Quant Time: Apr 14 01:36:41 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1222893	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2570676	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2519080	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.73 95 2041950 10.08 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.17	85	88490	0.35	ppbv	92
7) Chloroethane	3.70	64	1039	0.03	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	88490	0.43	ppbv #	18
9) Propene	3.49	41	3755	0.08	ppbv	84
11) Trichlorofluoromethane	4.11	101	127473	0.52	ppbv	93
15) Acetone	4.02	43	142732	0.76	ppbv	99
20) Methylene Chloride	4.52	84	83678	1.22	ppbv	93
24) 1,1-Dichloroethane	5.22	63	21602	0.11	ppbv #	92
30) Cyclohexane	7.42	84	4300	0.04	ppbv #	1
31) cis-1,2-Dichloroethene	5.77	61	16959	0.14	ppbv #	78
32) 1,1,1-Trichloroethane	6.75	97	81099	0.36	ppbv	99
38) Trichloroethene	8.10	130	74649	0.80	ppbv	90
39) 1,2-Dichloropropane	7.43	63	708333	8.24	ppbv #	21

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

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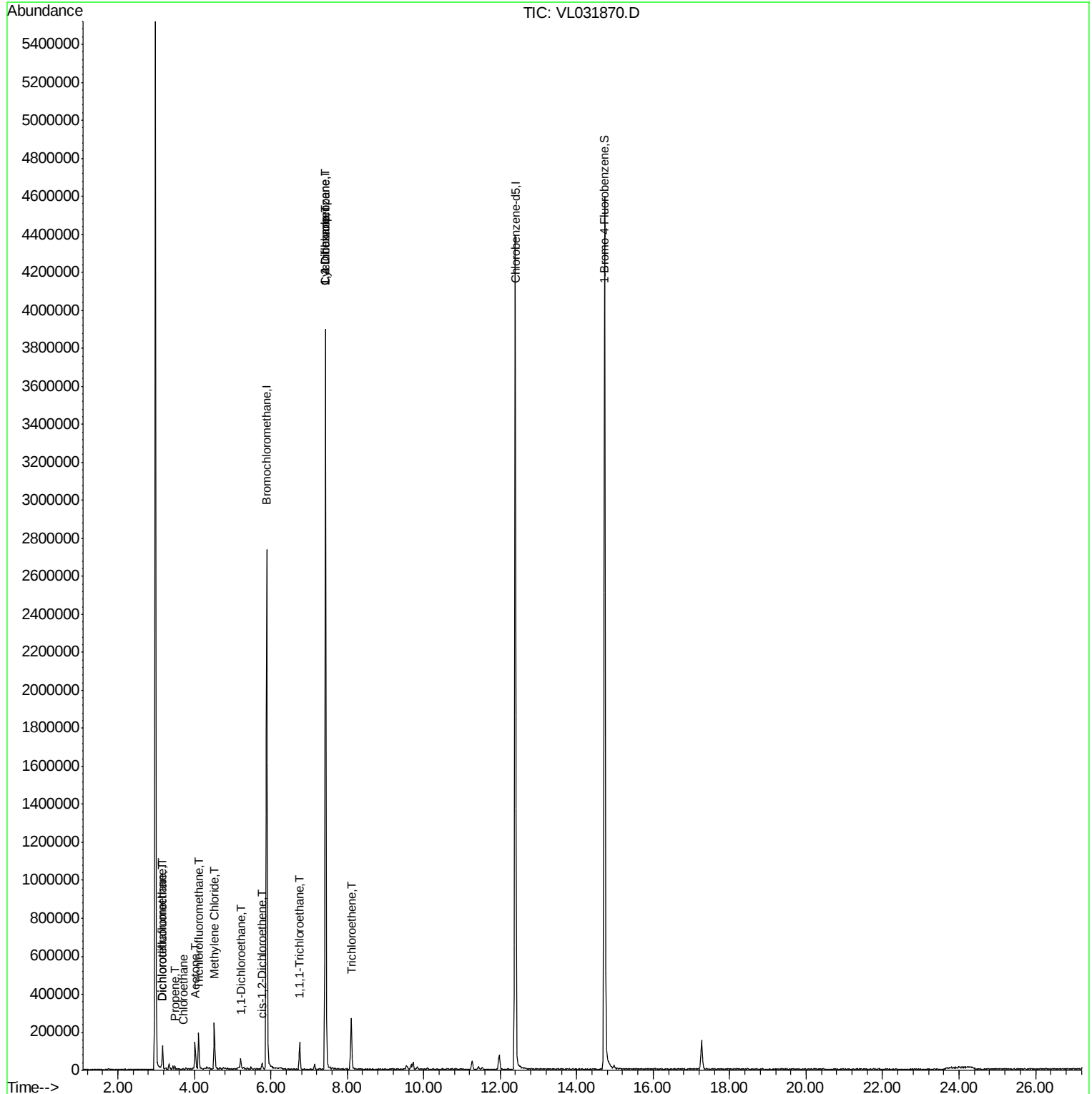
Quant Time: Apr 14 01:36:41 2018

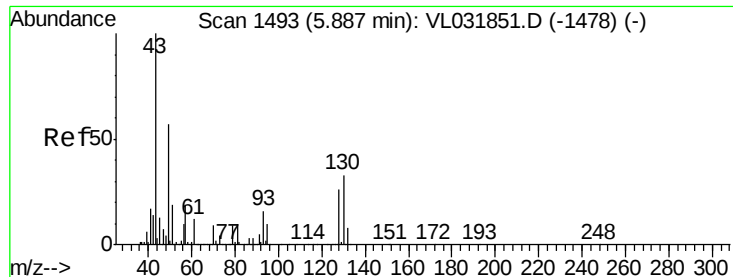
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

QLast Update : Fri Apr 13 16:50:02 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

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SVE-INF2-040218DL

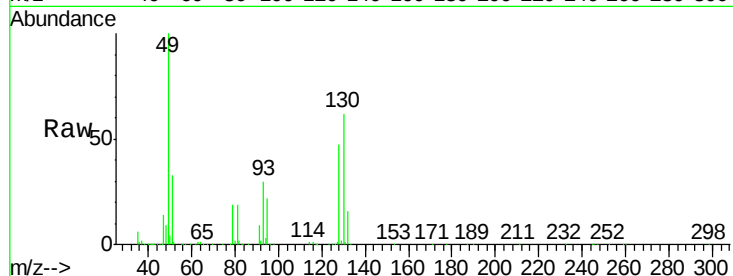
Tgt Ion: 49 Resp: 1222893

Ion Ratio Lower Upper

49 100

128 48.3 23.9 71.7

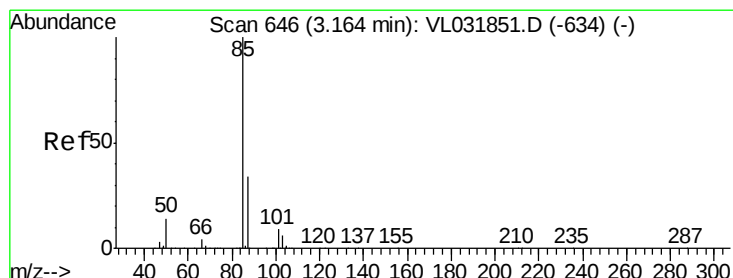
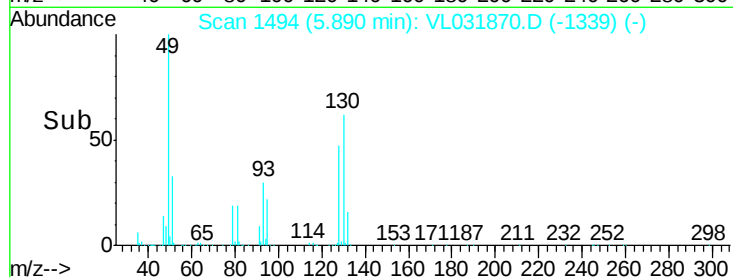
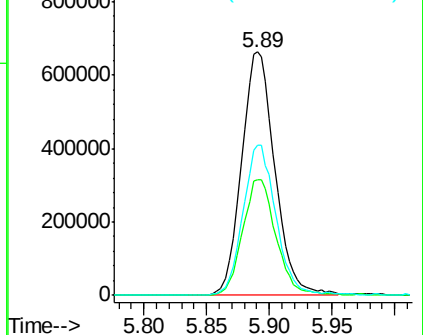
130 61.6 30.9 92.7



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



#2

Dichlorodifluoromethane

Concen: 0.35 ppbv

RT: 3.17 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL031870.D

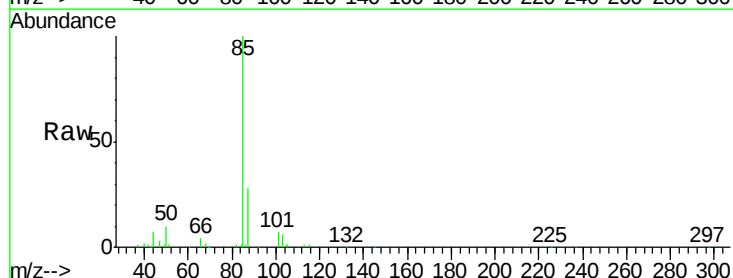
Acq: 12 Apr 2018 18:06

Tgt Ion: 85 Resp: 88490

Ion Ratio Lower Upper

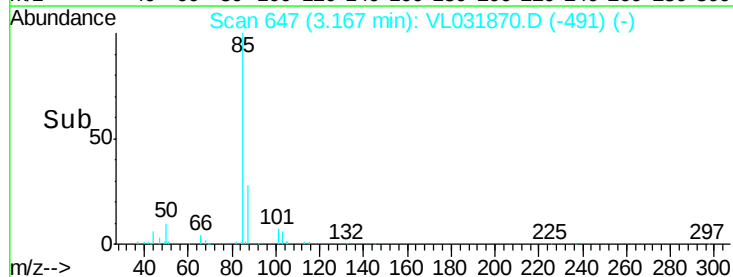
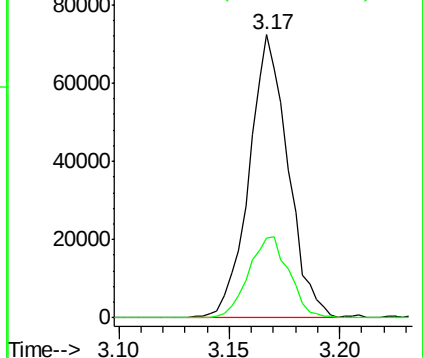
85 100

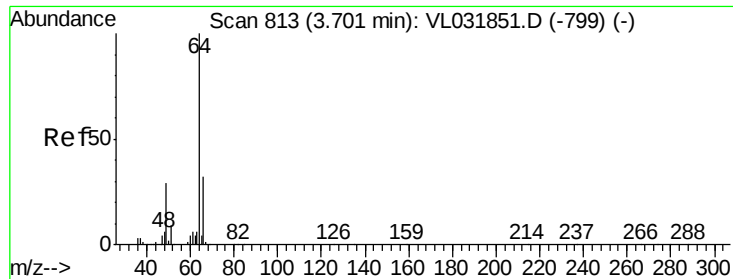
87 28.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#7

Chloroethane

Concen: 0.03 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

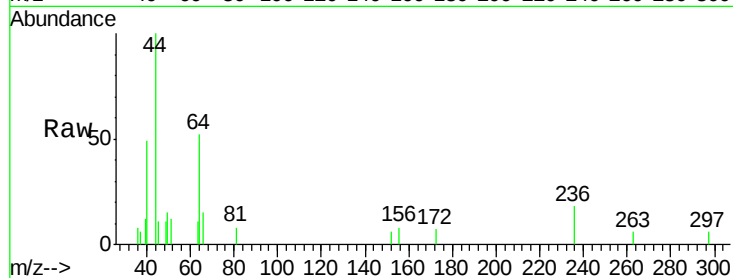
SVE-INF2-040218DL

Tgt Ion: 64 Resp: 1039

Ion Ratio Lower Upper

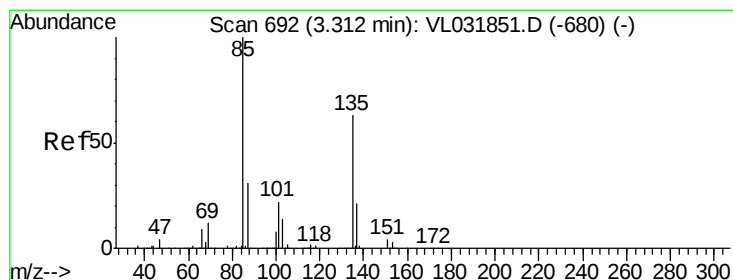
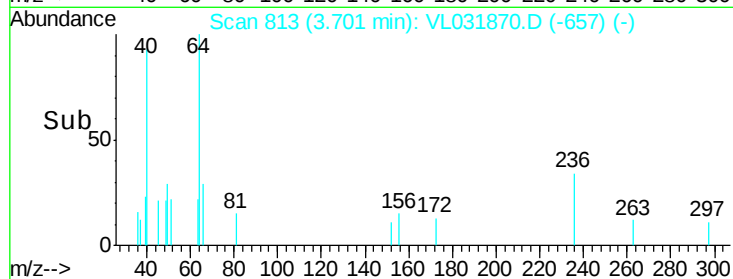
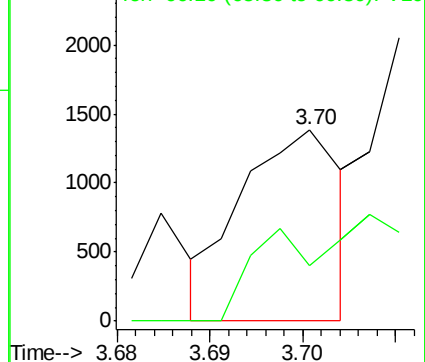
64 100

66 29.3 23.4 35.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.43 ppbv

RT: 3.17 min Scan# 647

Delta R.T. -0.14 min

Lab File: VL031870.D

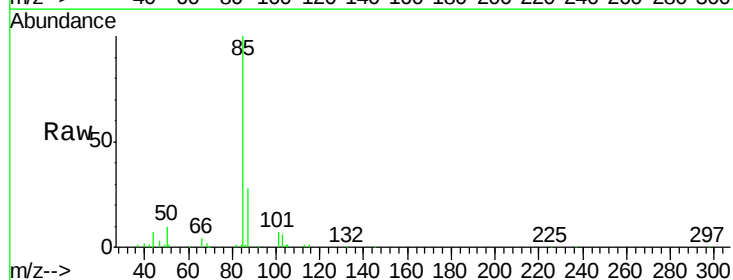
Acq: 12 Apr 2018 18:06

Tgt Ion: 85 Resp: 88490

Ion Ratio Lower Upper

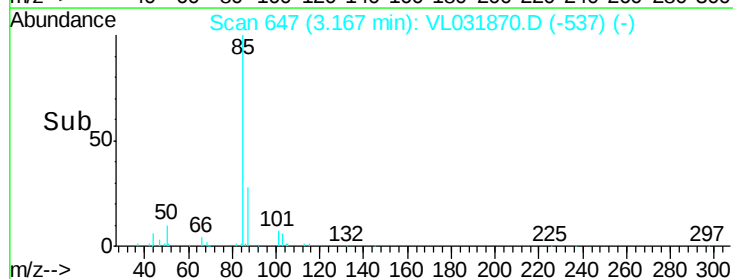
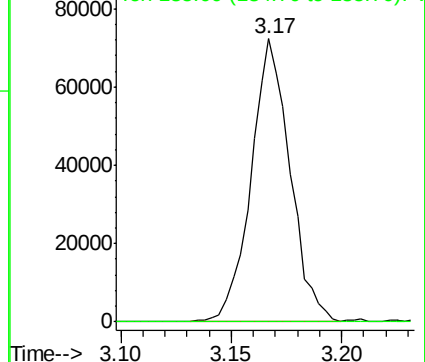
85 100

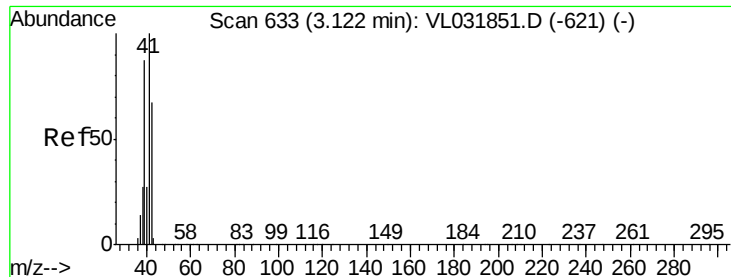
135 0.6 52.7 79.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.08 ppbv

RT: 3.49 min Scan# 746

Delta R.T. 0.36 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

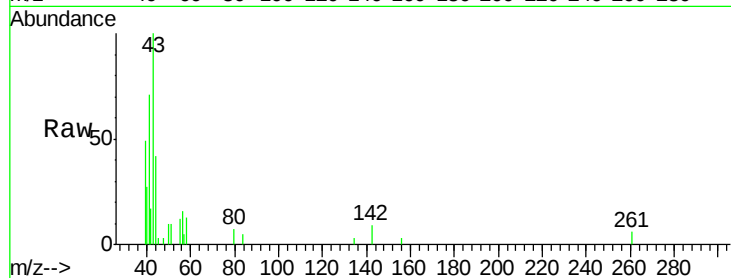
SVE-INF2-040218DL

Tgt Ion: 41 Resp: 3755

Ion Ratio Lower Upper

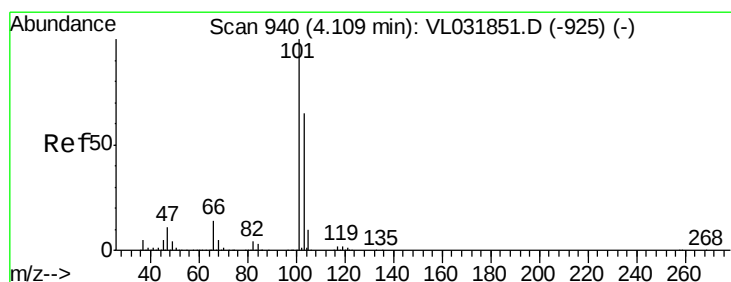
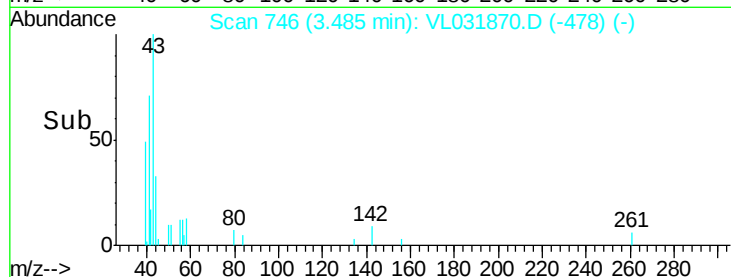
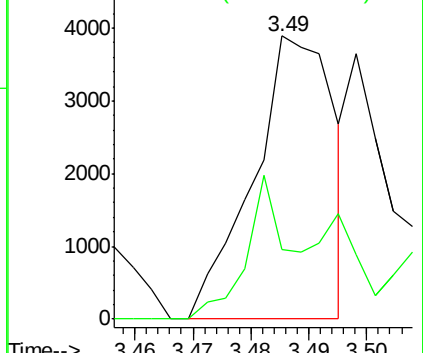
41 100

42 55.6 55.0 82.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.52 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.00 min

Lab File: VL031870.D

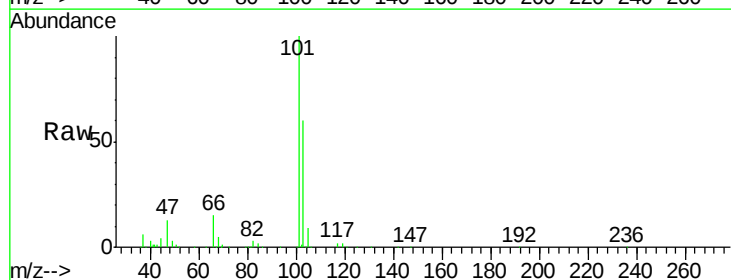
Acq: 12 Apr 2018 18:06

Tgt Ion: 101 Resp: 127473

Ion Ratio Lower Upper

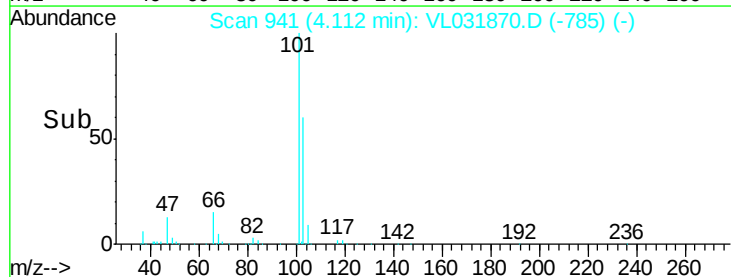
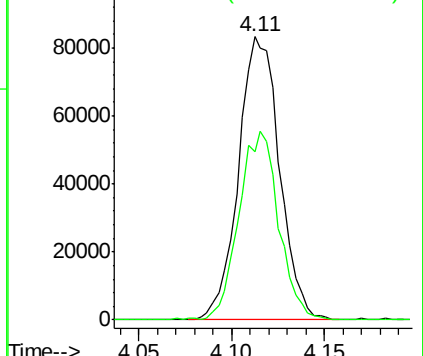
101 100

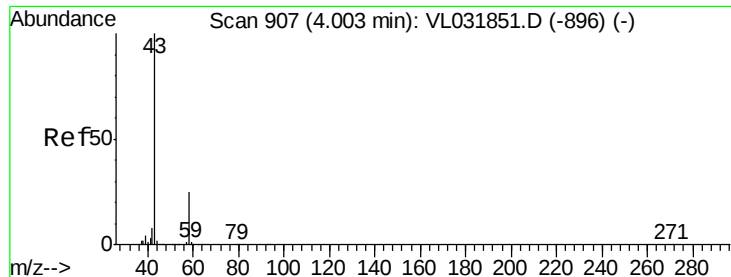
103 59.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#15

Acetone

Concen: 0.76 ppbv

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

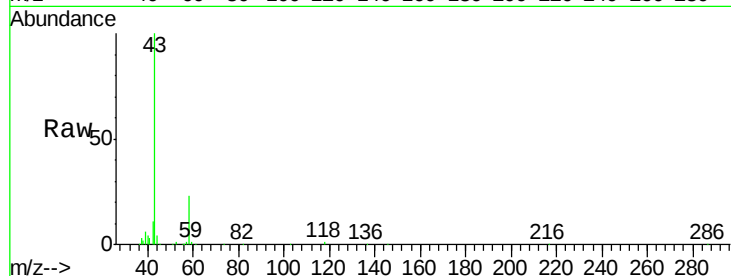
SVE-INF2-040218DL

Tgt Ion: 43 Resp: 142732

Ion Ratio Lower Upper

43 100

58 26.9 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

100000

80000

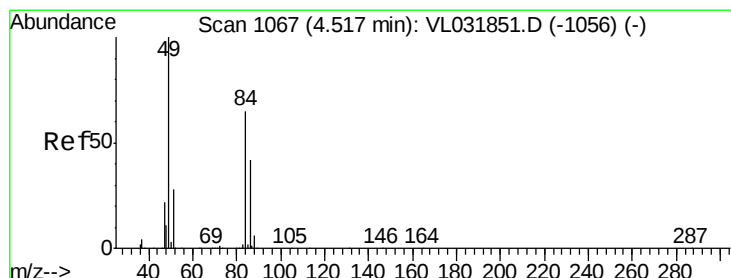
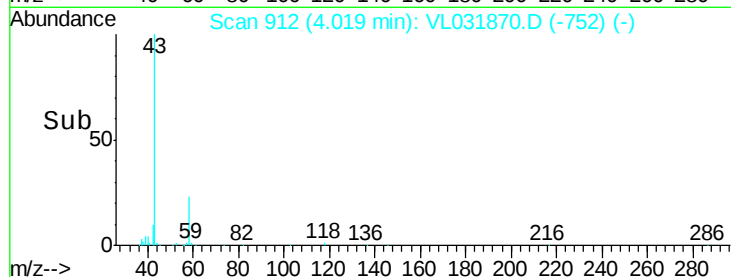
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.22 ppbv

RT: 4.52 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Tgt Ion: 84 Resp: 83678

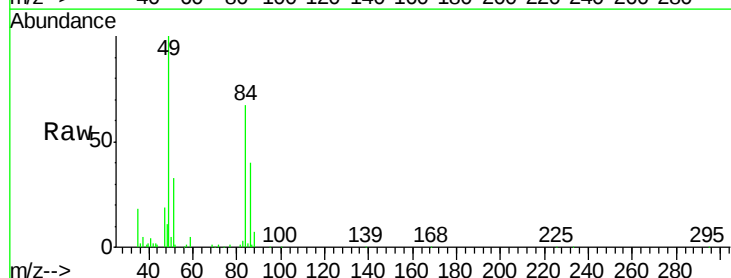
Ion Ratio Lower Upper

84 100

49 148.0 125.6 188.4

51 49.1 36.4 54.6

86 59.2 53.7 80.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

100000

80000

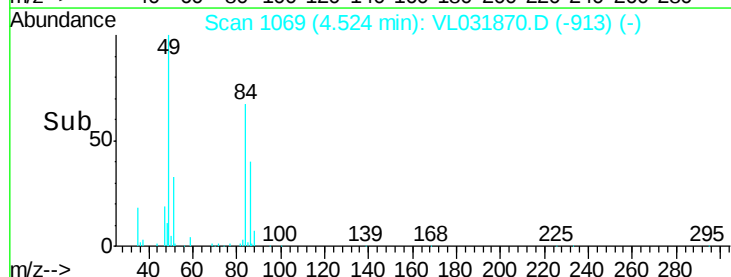
60000

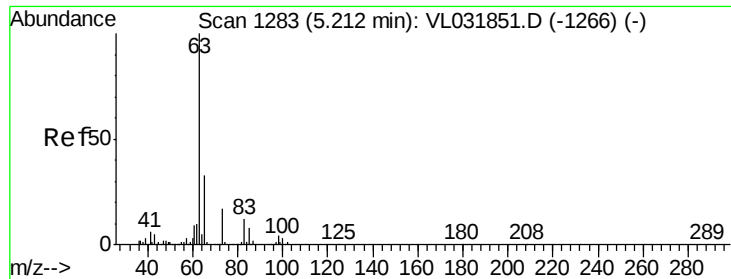
40000

20000

0

Time-->





#24

1,1-Dichloroethane

Concen: 0.11 ppbv

RT: 5.22 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-040218DL

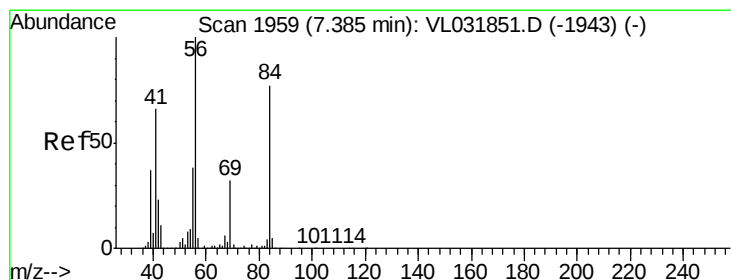
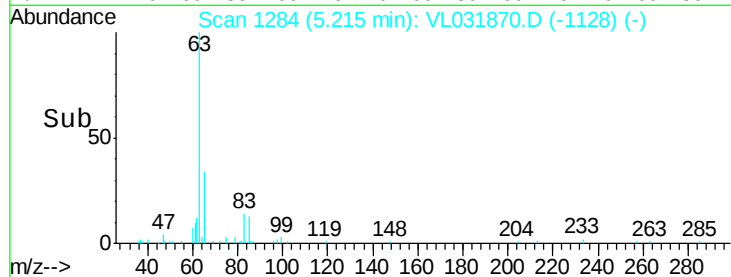
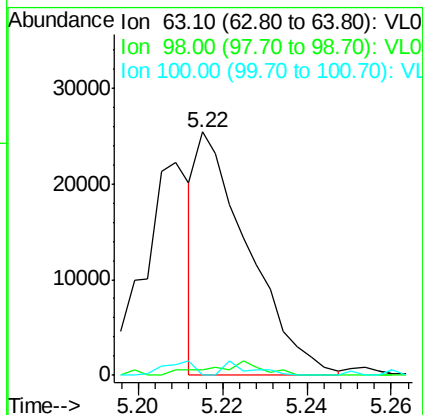
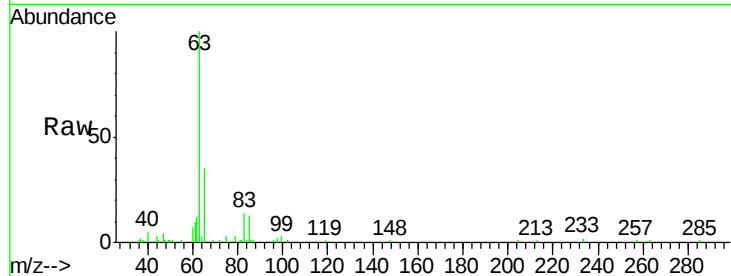
Tgt Ion: 63 Resp: 21602

Ion Ratio Lower Upper

63 100

98 2.1 2.4 7.2#

100 0.0 1.5 4.4#



#30

Cyclohexane

Concen: 0.04 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. 0.04 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

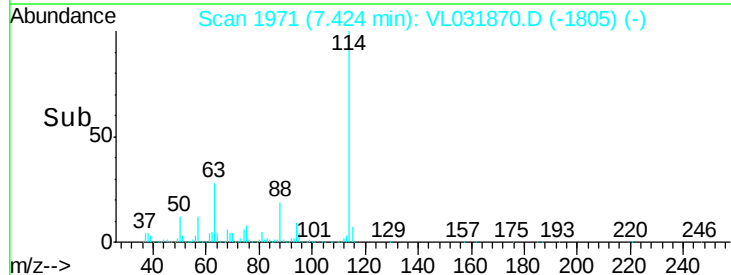
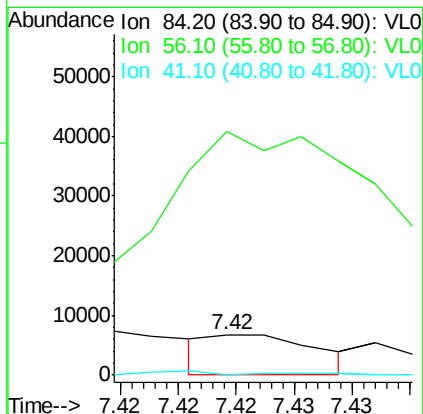
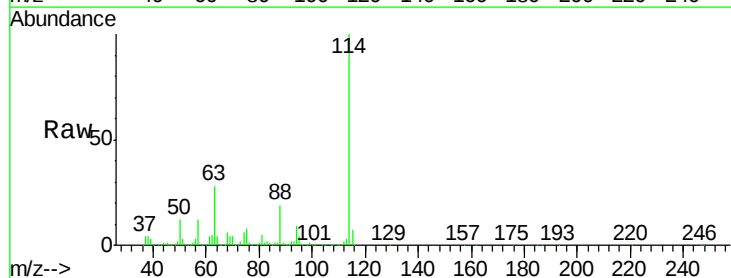
Tgt Ion: 84 Resp: 4300

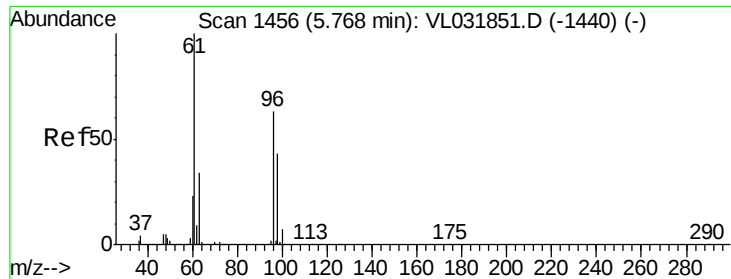
Ion Ratio Lower Upper

84 100

56 1698.4 107.7 161.5#

41 17.4 68.2 102.2#





#31

cis-1,2-Dichloroethene

Concen: 0.14 ppbv

RT: 5.77 min Scan# 1455

Delta R.T. -0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

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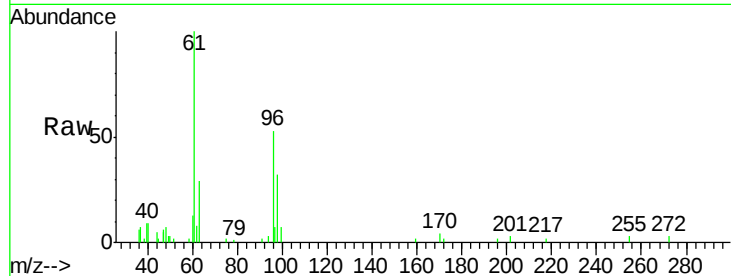
Tgt Ion: 61 Resp: 16959

Ion Ratio Lower Upper

61 100

96 44.0 47.6 71.4#

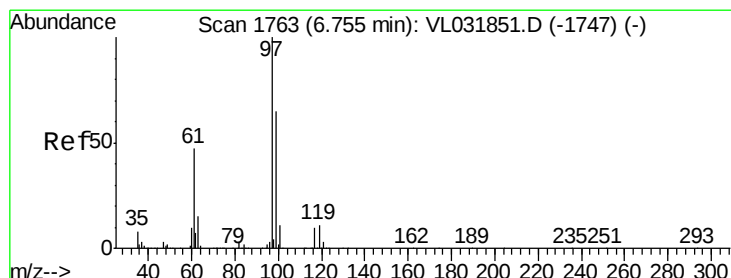
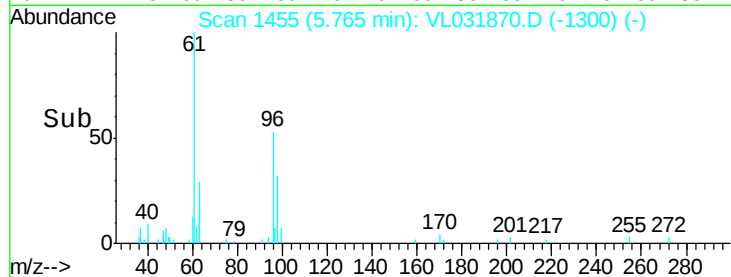
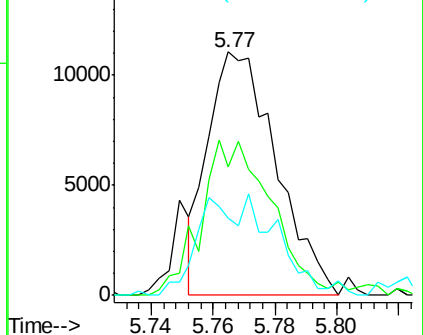
98 23.7 30.3 45.5#



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: 0.36 ppbv

RT: 6.75 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

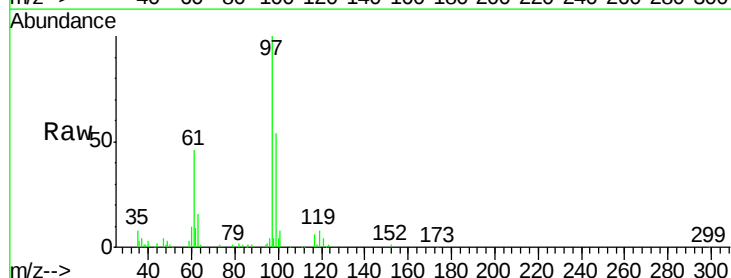
Tgt Ion: 97 Resp: 81099

Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

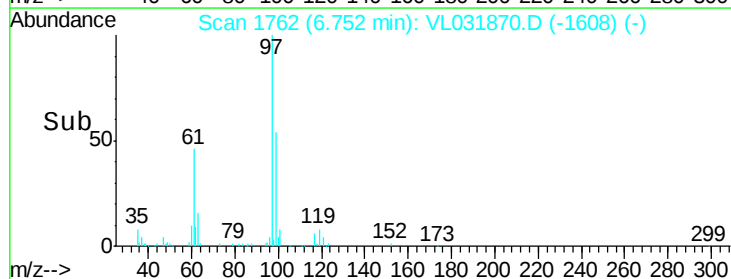
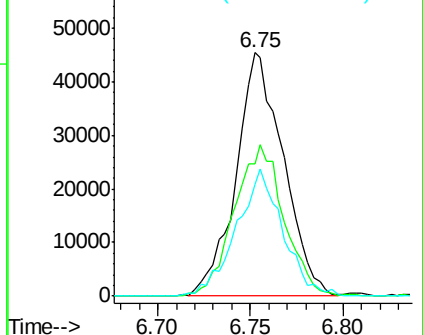
61 50.9 40.0 60.0

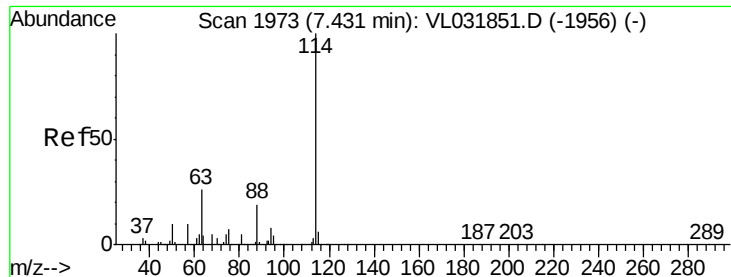


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

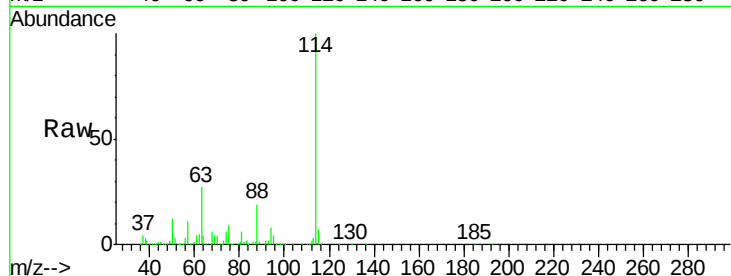




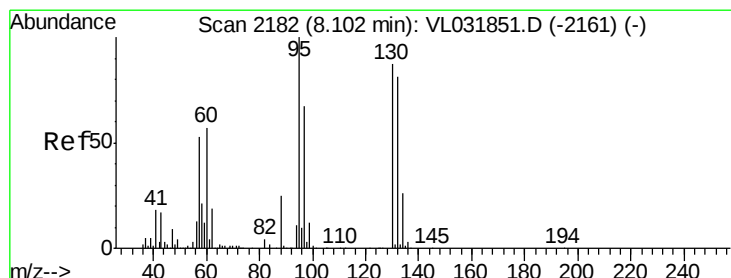
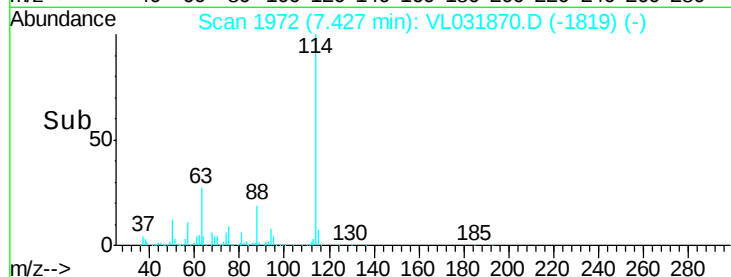
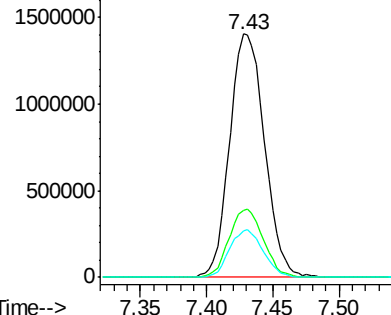
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VL031870.D
 Acq: 12 Apr 2018 18:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-040218DL

Tgt Ion:114 Resp: 2570676
 Ion Ratio Lower Upper
 114 100
 63 27.8 21.8 32.6
 88 19.0 14.6 22.0

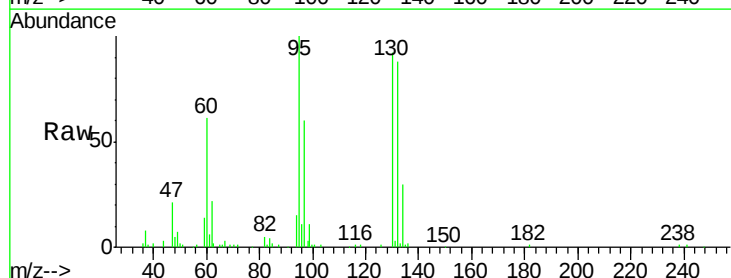


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

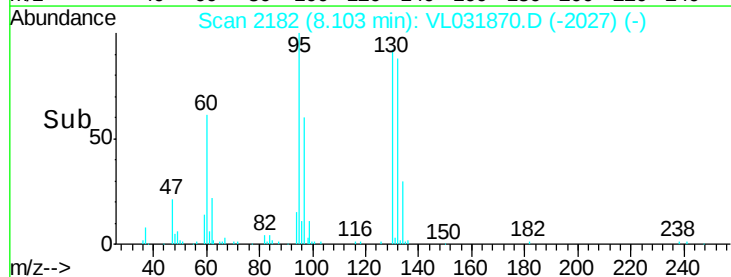
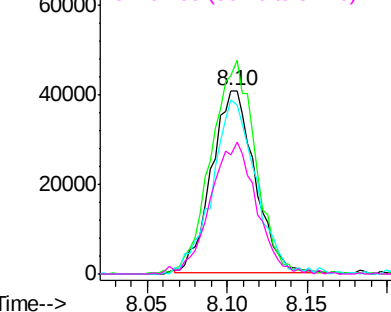


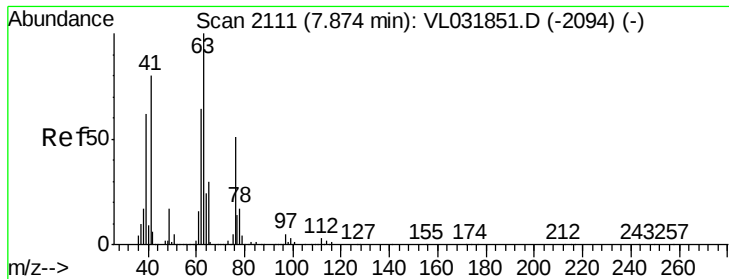
#38
 Trichloroethene
 Concen: 0.80 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031870.D
 Acq: 12 Apr 2018 18:06

Tgt Ion:130 Resp: 74649
 Ion Ratio Lower Upper
 130 100
 95 107.9 96.6 144.8
 132 94.1 79.1 118.7
 97 66.1 61.5 92.3



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: 8.24 ppbv

RT: 7.43 min Scan# 1973

Delta R.T. -0.45 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-040218DL

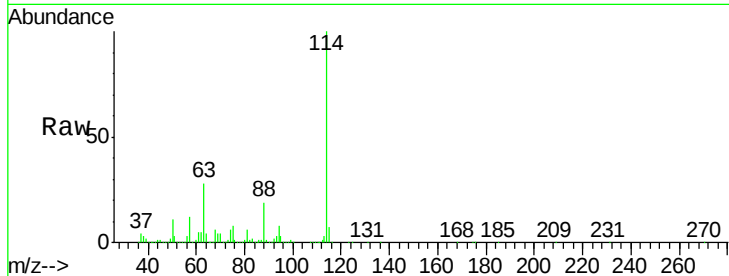
Tgt Ion: 63 Resp: 708333

Ion Ratio Lower Upper

63 100

41 0.1 65.8 98.6#

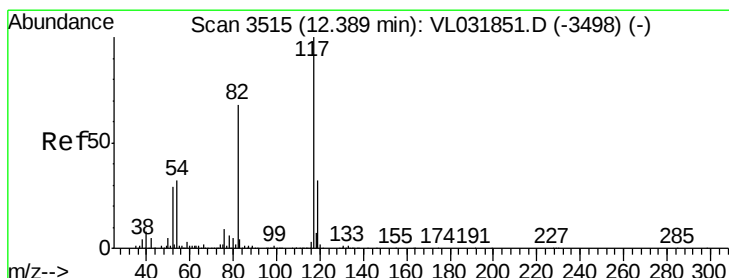
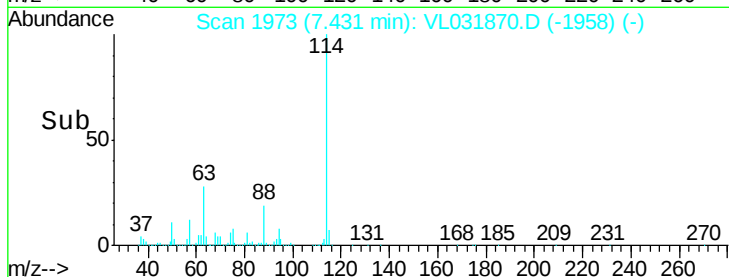
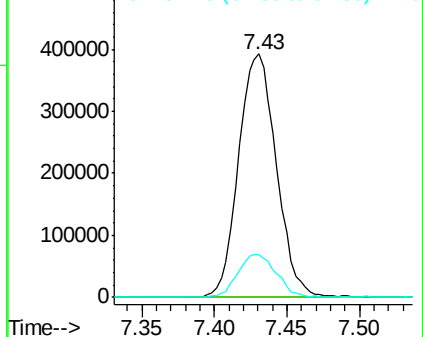
62 17.3 55.0 82.6#



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: 10.00 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

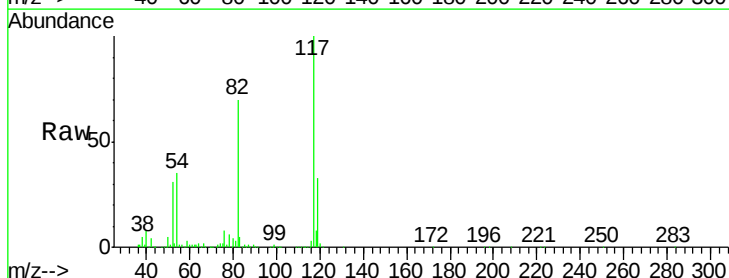
Tgt Ion: 117 Resp: 2519080

Ion Ratio Lower Upper

117 100

82 70.4 54.6 81.8

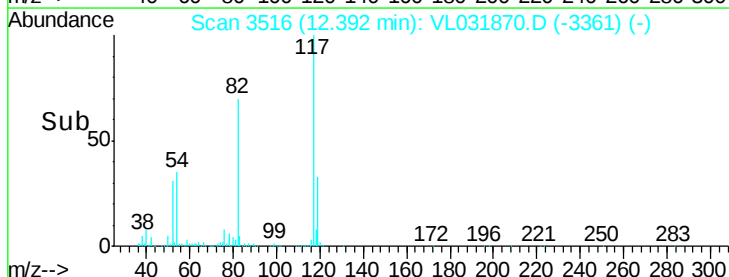
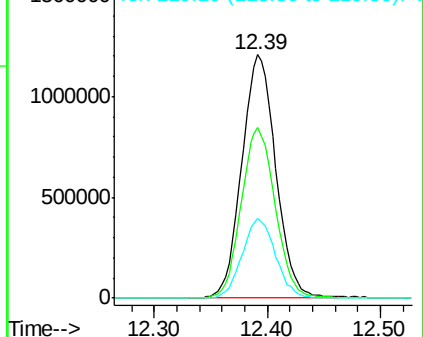
119 32.3 26.0 39.0

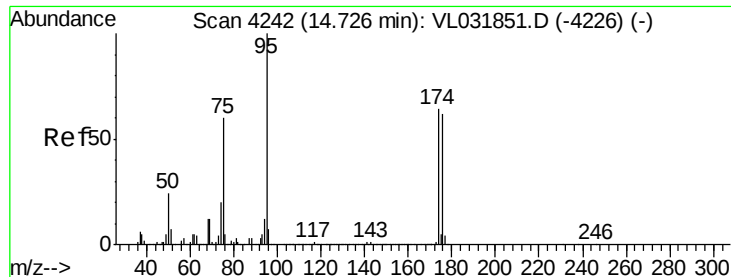


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.08 ppbv

RT: 14.73 min Scan# 4243

Delta R.T. -0.00 min

Lab File: VL031870.D

Acq: 12 Apr 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-040218DL

Tgt Ion: 95 Resp: 2041950

Ion Ratio Lower Upper

95 100

174 65.4 52.3 78.5

175 4.6 3.9 5.9

