

Data File : VL031874.D
Acq On : 12 Apr 2018 20:44
Operator : SY/AP
Sample : J2191-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-040218DL

Quant Time: Apr 14 01:37:53 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	1293057	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2674927	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2589278	10.00	ppbv	0.00

System Monitoring Compounds

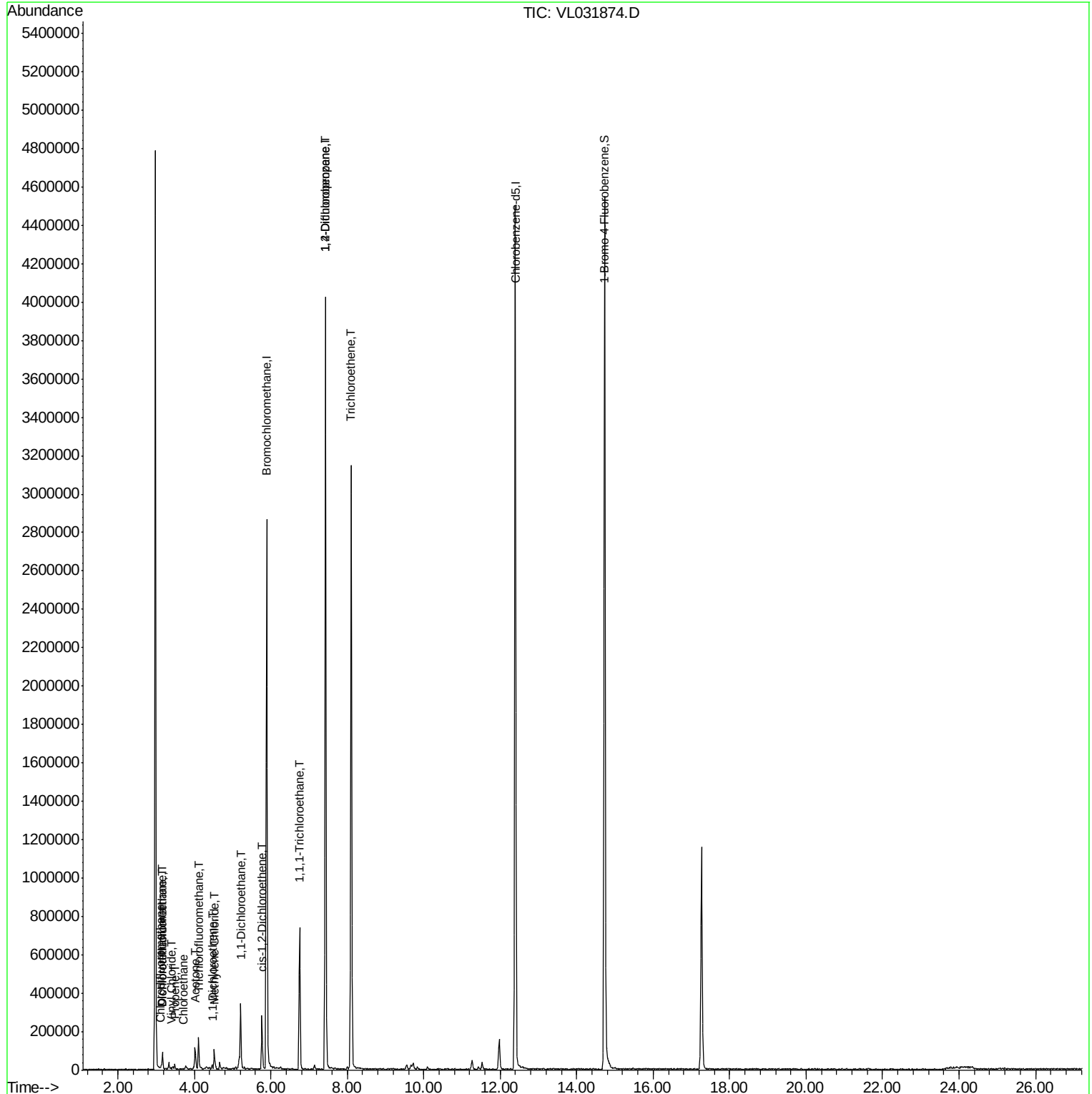
68) 1-Bromo-4-Fluorobenzene	14.73	95	2079858	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

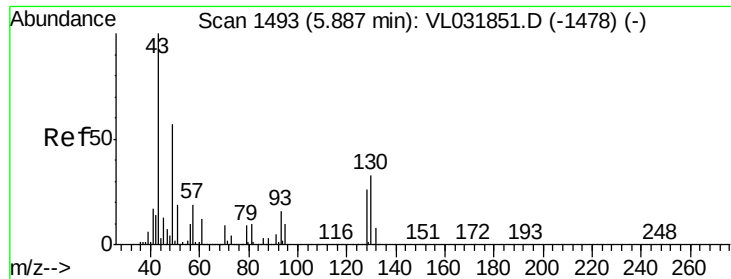
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.17	85	61484	0.23	ppbv	96
3) Chlorodifluoromethane	3.10	51	5531	0.04	ppbv #	90
5) Vinyl Chloride	3.38	62	2985	0.03	ppbv	94
7) Chloroethane	3.70	64	1195	0.03	ppbv #	78
8) Dichlorotetrafluoroethane	3.17	85	61484	0.28	ppbv #	18
9) Propene	3.50	41	4426	0.09	ppbv	87
11) Trichlorofluoromethane	4.12	101	106209	0.41	ppbv	84
15) Acetone	4.02	43	112264	0.56	ppbv	100
18) 1,1-Dichloroethene	4.46	96	2870	0.04	ppbv #	86
20) Methylene Chloride	4.52	84	34060	0.47	ppbv #	85
24) 1,1-Dichloroethane	5.21	63	260562	1.30	ppbv	98
31) cis-1,2-Dichloroethene	5.77	61	158330	1.21	ppbv	94
32) 1,1,1-Trichloroethane	6.76	97	462300	1.93	ppbv	99
38) Trichloroethene	8.10	130	894781	9.16	ppbv	95
39) 1,2-Dichloropropane	7.43	63	722360	8.08	ppbv #	22

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

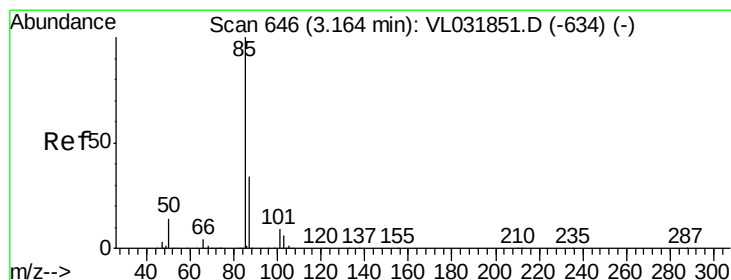
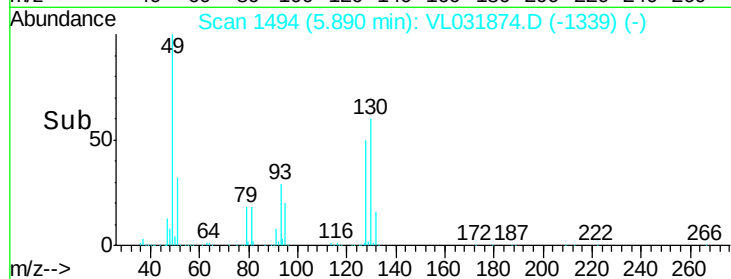
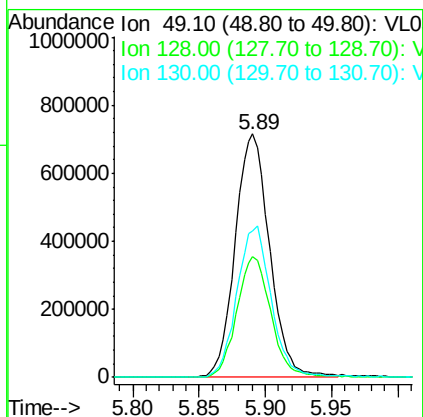
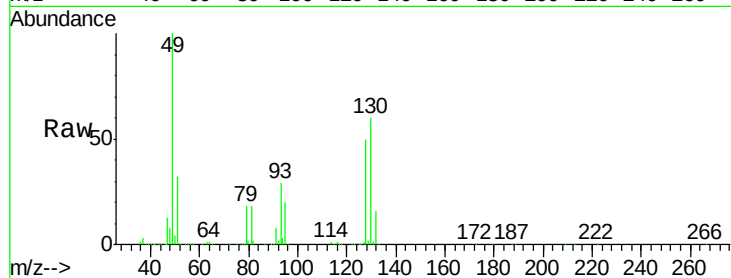




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.89 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

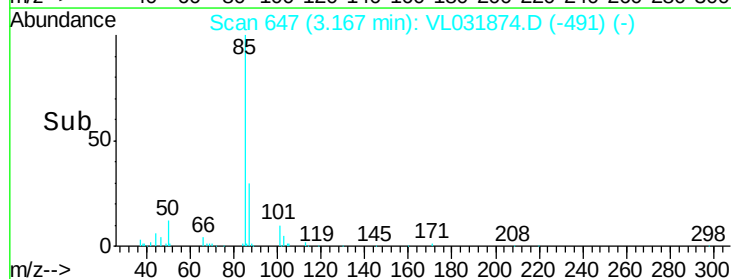
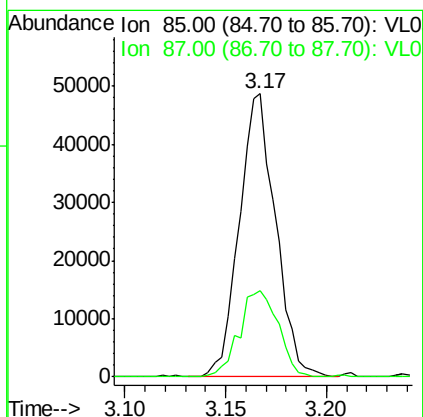
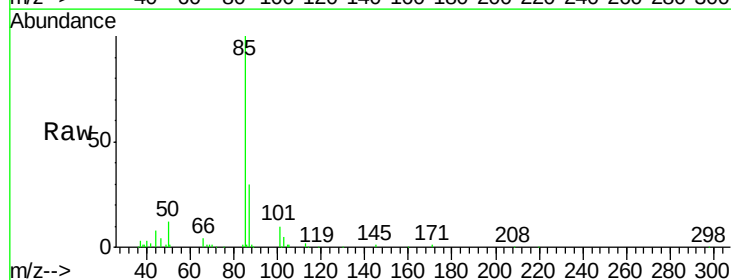
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-040218DL

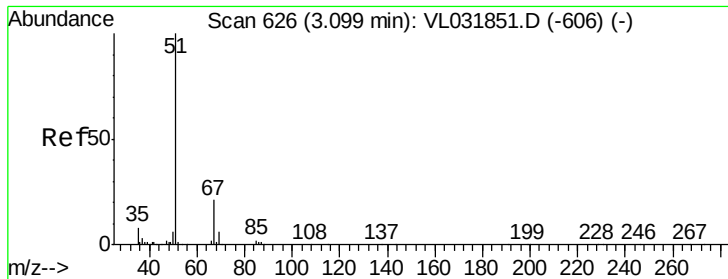
Tgt Ion: 49 Resp: 1293057
 Ion Ratio Lower Upper
 49 100
 128 49.7 23.9 71.7
 130 62.6 30.9 92.7



#2
 Dichlorodifluoromethane
 Concen: 0.23 ppbv
 RT: 3.17 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

Tgt Ion: 85 Resp: 61484
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 3.10 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

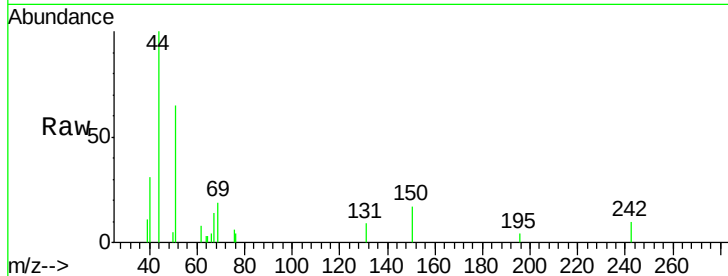
SVE-INF3-040218DL

Tgt Ion: 51 Resp: 5531

Ion Ratio Lower Upper

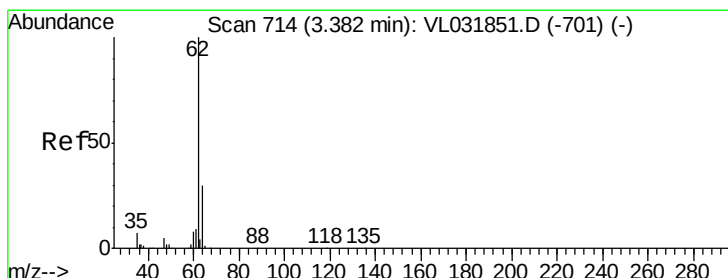
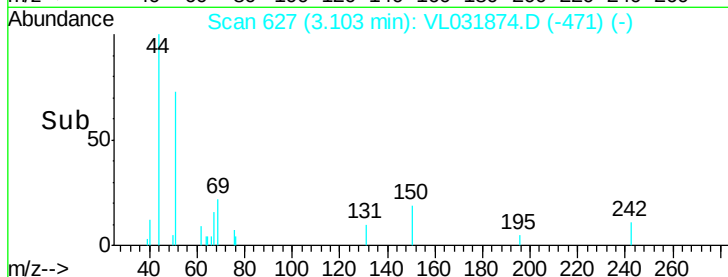
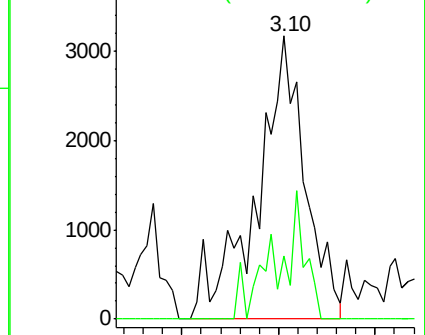
51 100

67 26.6 17.5 26.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#5

Vinyl Chloride

Concen: 0.03 ppbv

RT: 3.38 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL031874.D

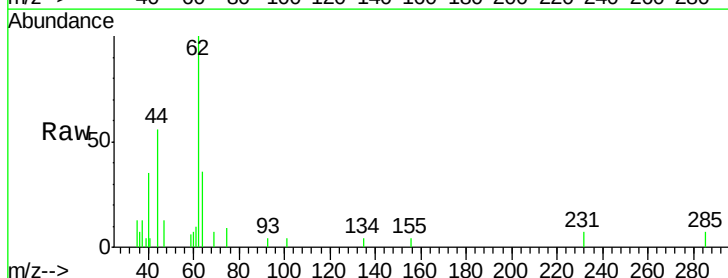
Acq: 12 Apr 2018 20:44

Tgt Ion: 62 Resp: 2985

Ion Ratio Lower Upper

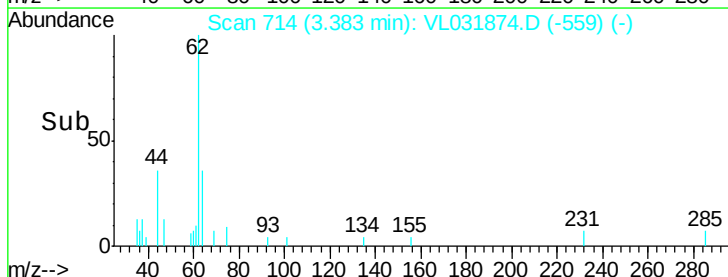
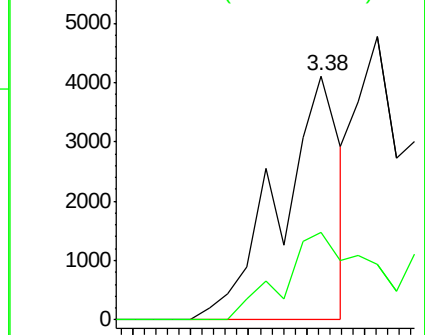
62 100

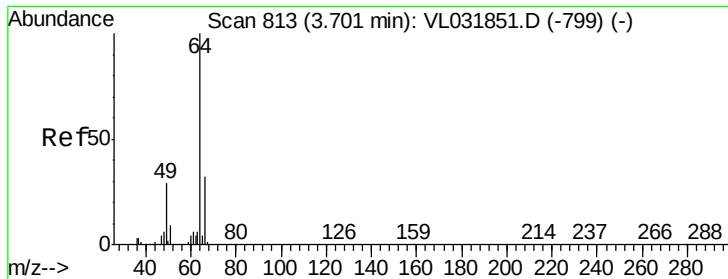
64 35.8 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.03 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

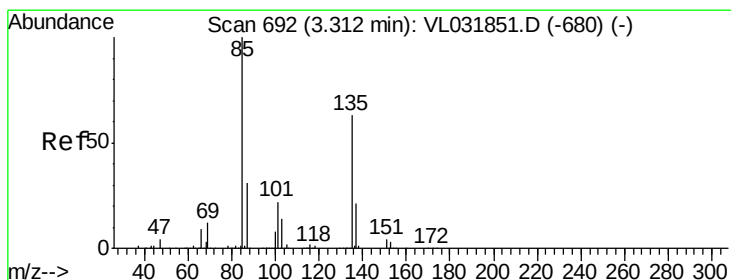
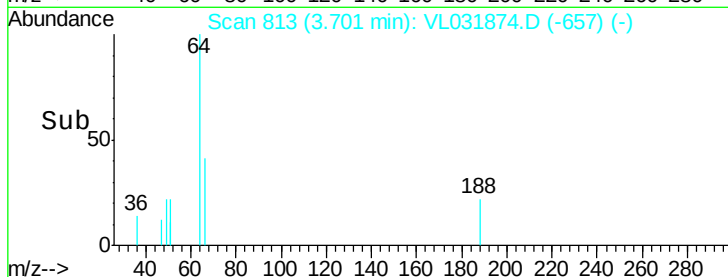
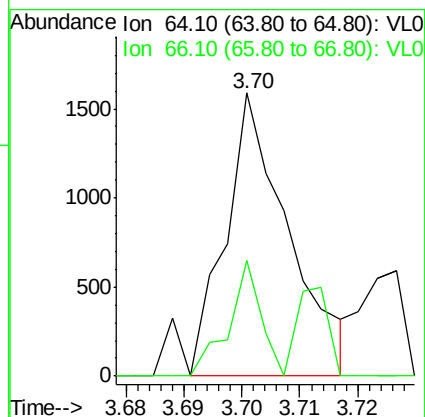
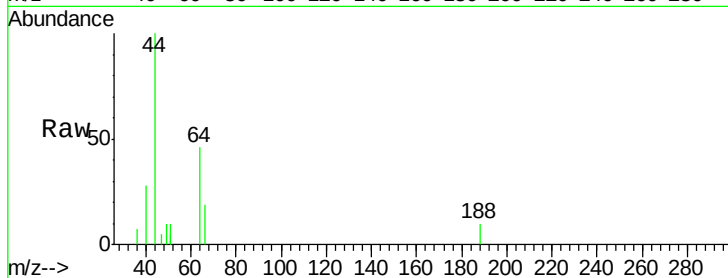
SVE-INF3-040218DL

Tgt Ion: 64 Resp: 1195

Ion Ratio Lower Upper

64 100

66 40.9 23.4 35.0#



#8

Dichlorotetrafluoroethane

Concen: 0.28 ppbv

RT: 3.17 min Scan# 647

Delta R.T. -0.14 min

Lab File: VL031874.D

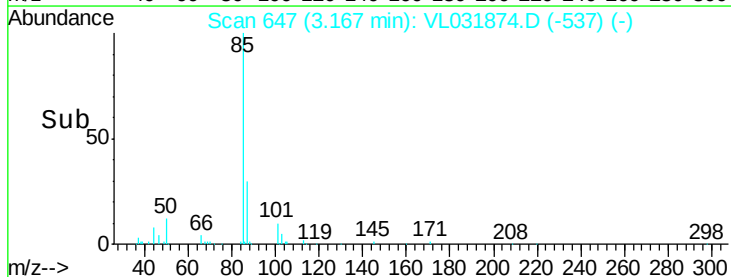
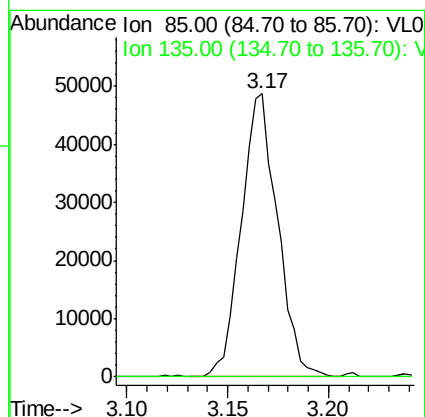
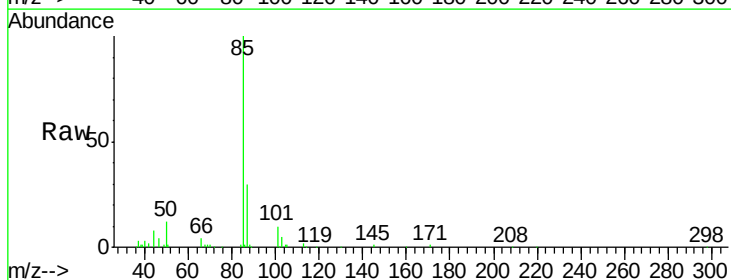
Acq: 12 Apr 2018 20:44

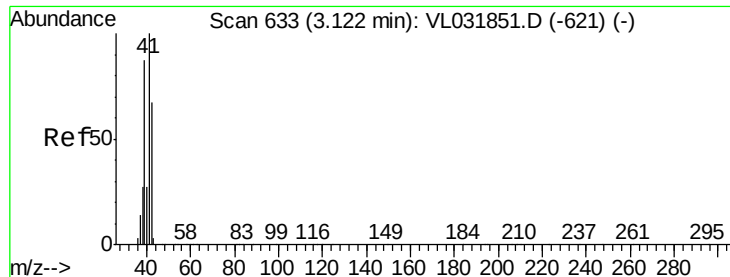
Tgt Ion: 85 Resp: 61484

Ion Ratio Lower Upper

85 100

135 0.6 52.7 79.1#





#9

Propene

Concen: 0.09 ppbv

RT: 3.50 min Scan# 749

Delta R.T. 0.37 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

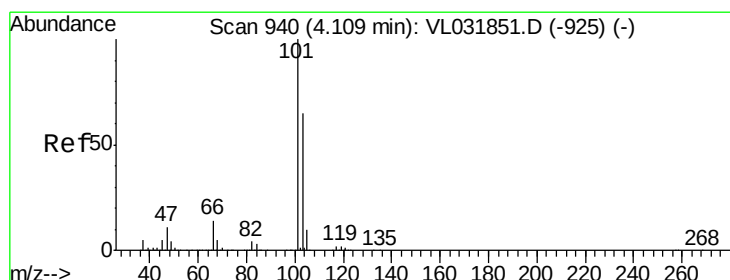
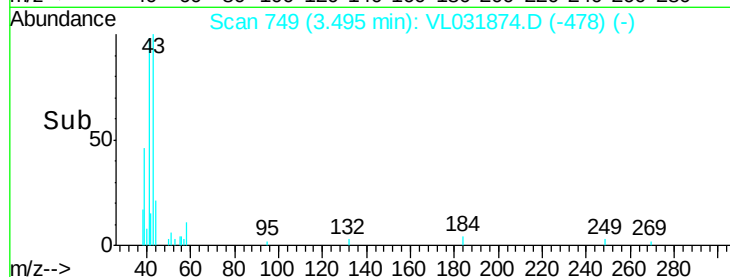
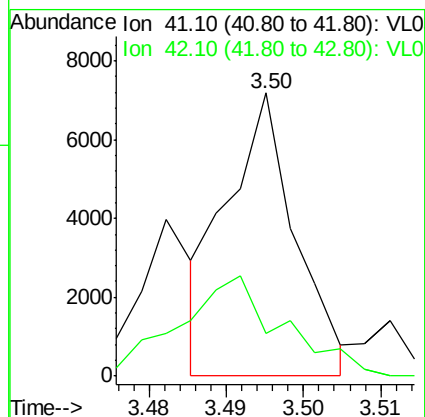
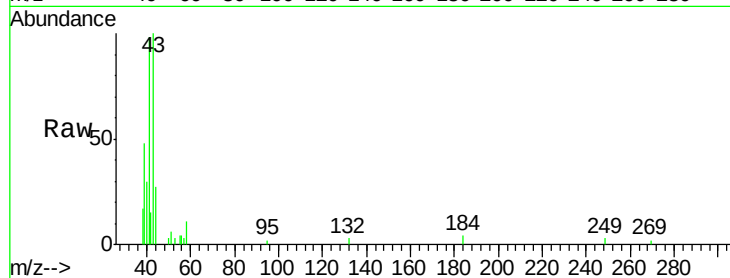
SVE-INF3-040218DL

Tgt Ion: 41 Resp: 4426

Ion Ratio Lower Upper

41 100

42 58.1 55.0 82.4



#11

Trichlorofluoromethane

Concen: 0.41 ppbv

RT: 4.12 min Scan# 942

Delta R.T. 0.01 min

Lab File: VL031874.D

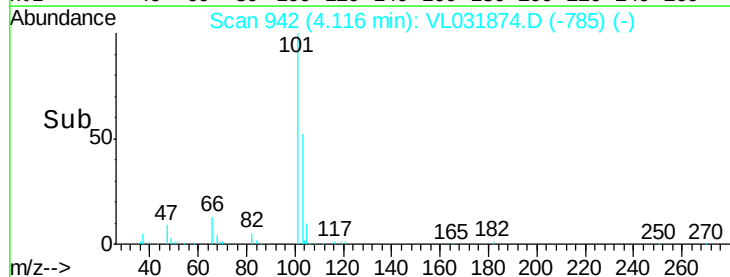
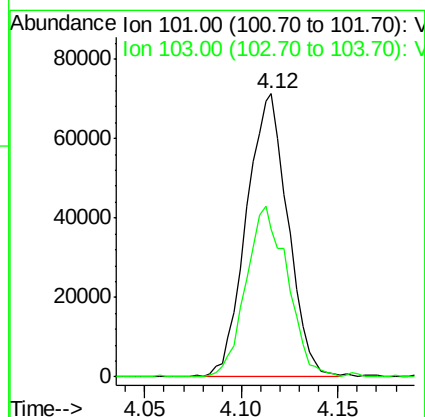
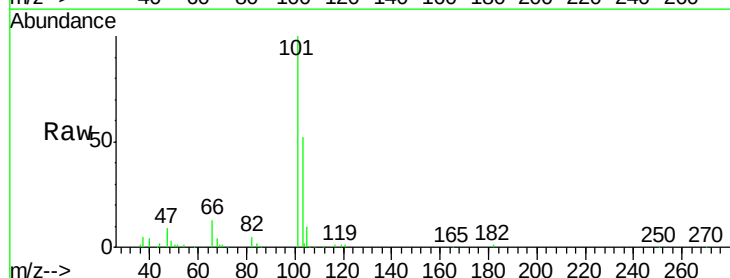
Acq: 12 Apr 2018 20:44

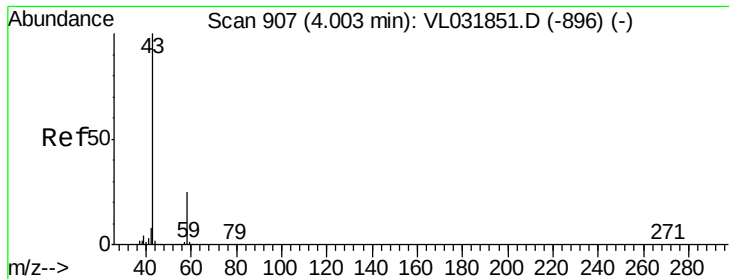
Tgt Ion: 101 Resp: 106209

Ion Ratio Lower Upper

101 100

103 52.2 51.8 77.8





#15

Acetone

Concen: 0.56 ppbv

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

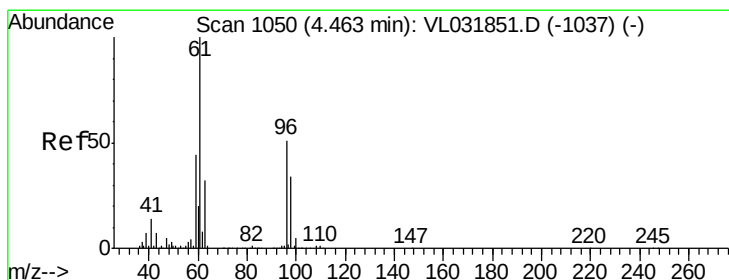
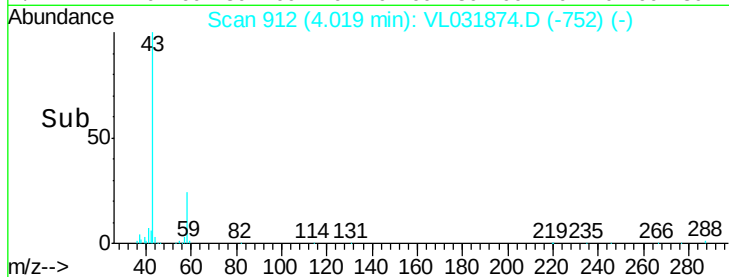
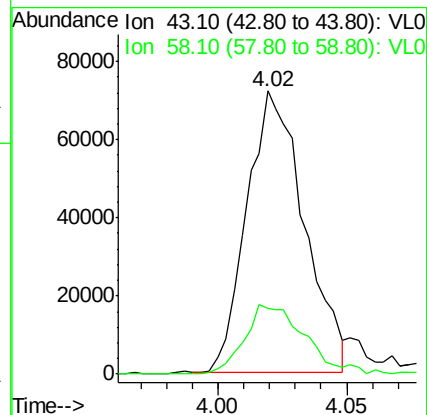
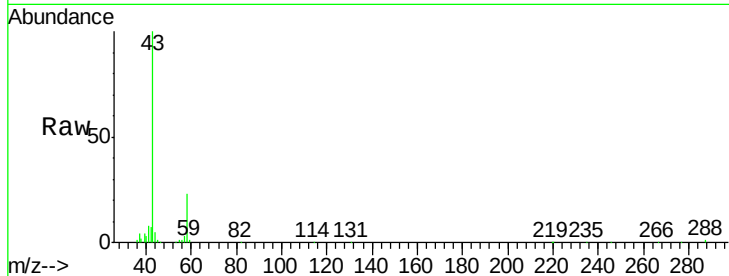
SVE-INF3-040218DL

Tgt Ion: 43 Resp: 112264

Ion Ratio Lower Upper

43 100

58 26.4 20.9 31.3



#18

1,1-Dichloroethene

Concen: 0.04 ppbv

RT: 4.46 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

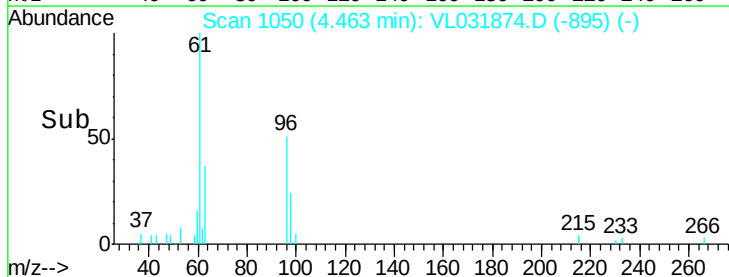
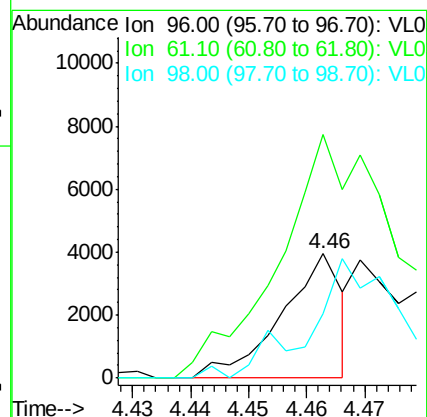
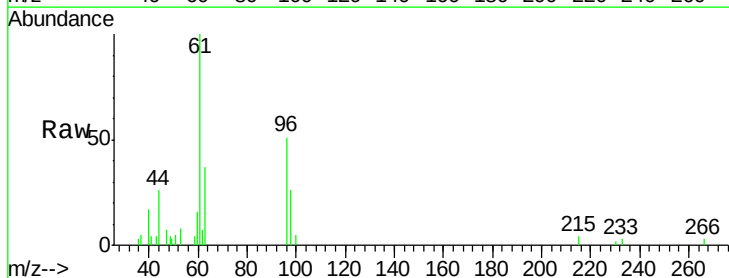
Tgt Ion: 96 Resp: 2870

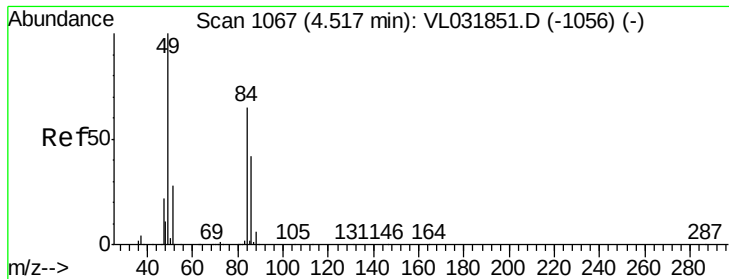
Ion Ratio Lower Upper

96 100

61 183.0 161.0 241.6

98 51.4 52.7 79.1#

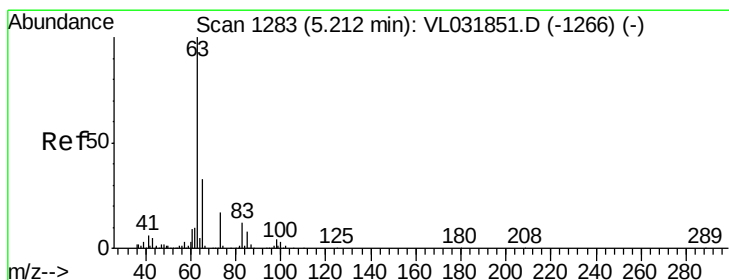
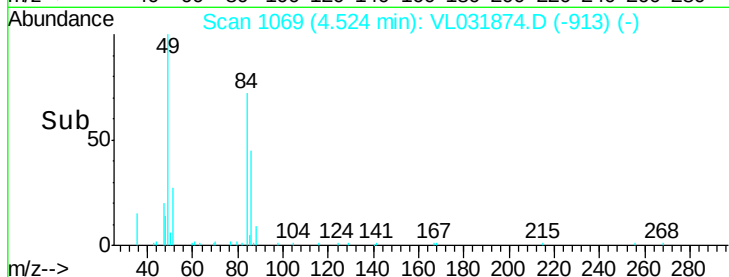
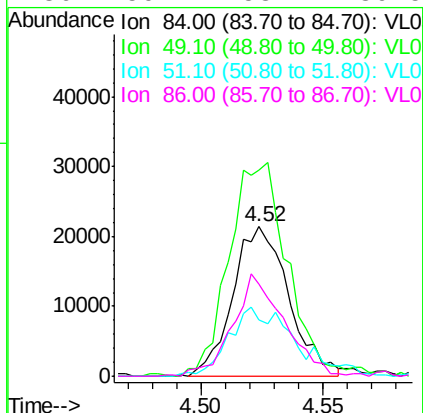
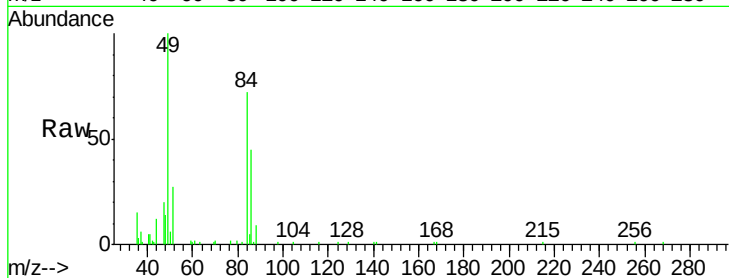




#20
Methylene Chloride
Concen: 0.47 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VL031874.D
Acq: 12 Apr 2018 20:44

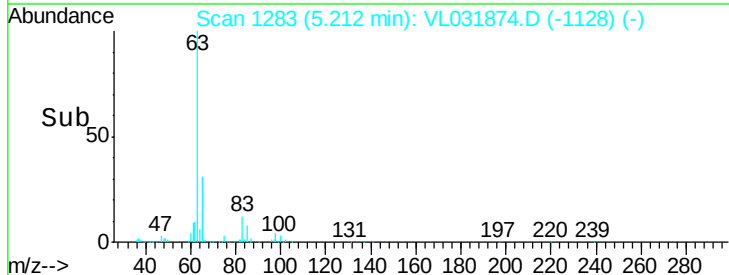
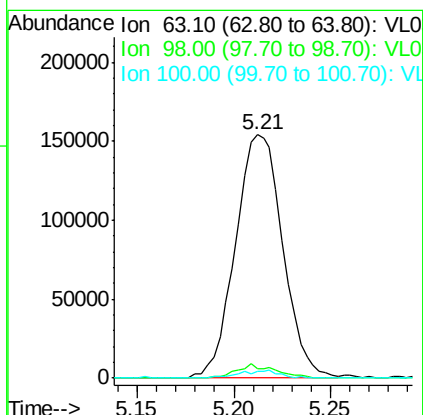
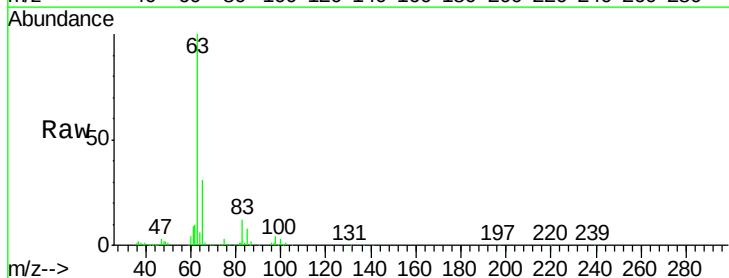
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF3-040218DL

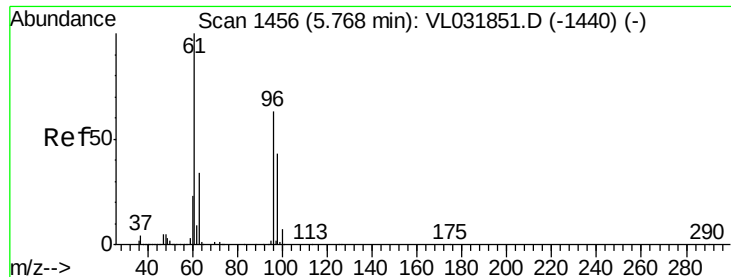
Tgt Ion:	84	Resp:	34060
Ion	Ratio	Lower	Upper
84	100		
49	133.7	125.6	188.4
51	35.0	36.4	54.6#
86	59.7	53.7	80.5



#24
1,1-Dichloroethane
Concen: 1.30 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VL031874.D
Acq: 12 Apr 2018 20:44

Tgt Ion:	63	Resp:	260562
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	2.7	1.5	4.4





#31

cis-1,2-Dichloroethene

Concen: 1.21 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-040218DL

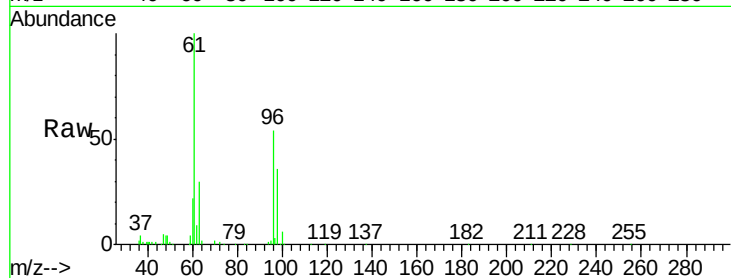
Tgt Ion: 61 Resp: 158330

Ion Ratio Lower Upper

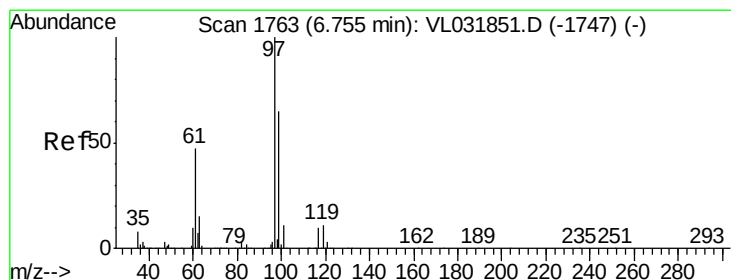
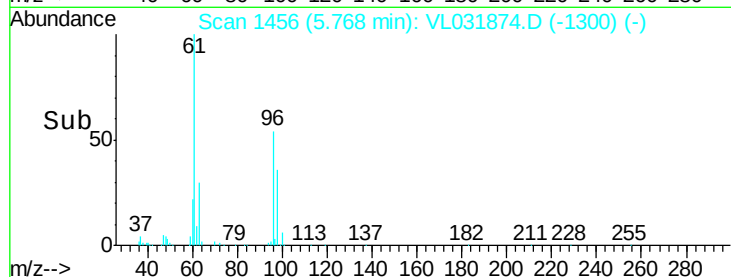
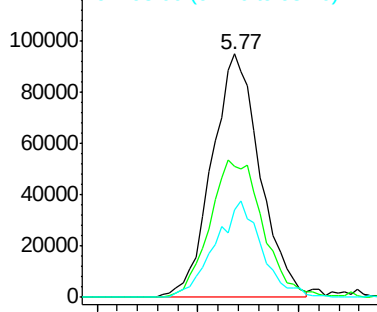
61 100

96 53.4 47.6 71.4

98 36.0 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: 1.93 ppbv

RT: 6.76 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

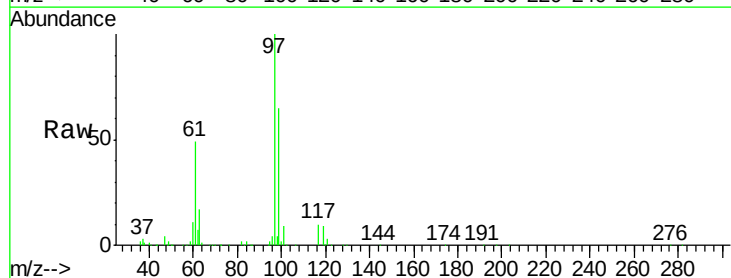
Tgt Ion: 97 Resp: 462300

Ion Ratio Lower Upper

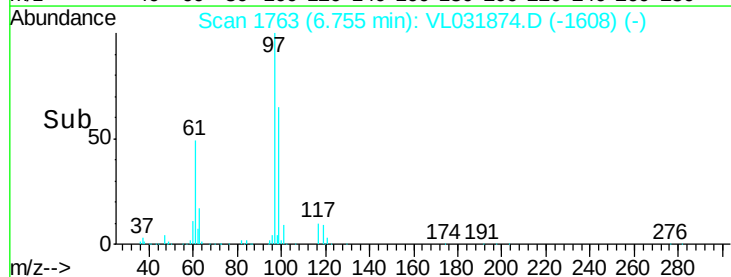
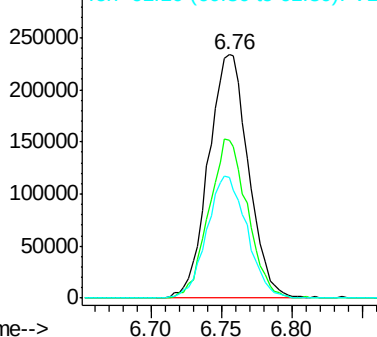
97 100

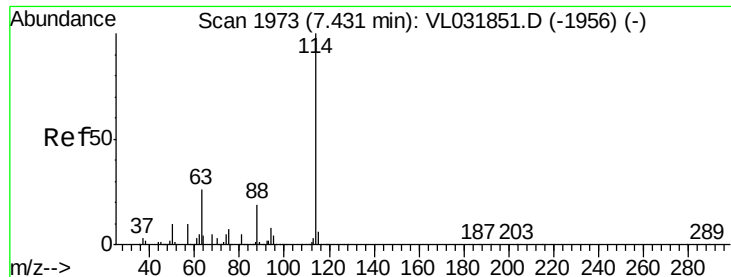
99 63.5 51.5 77.3

61 50.5 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

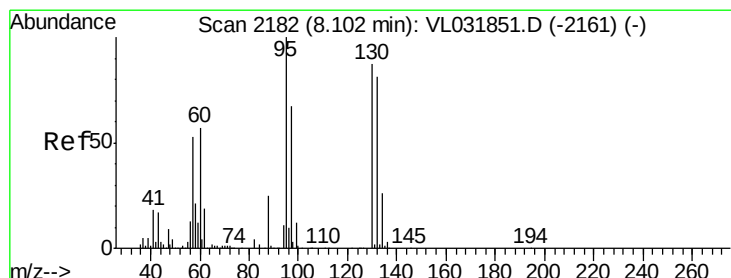
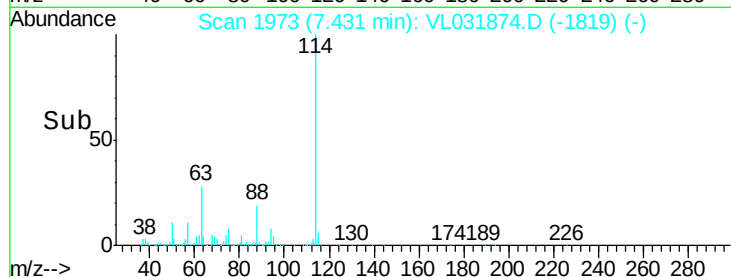
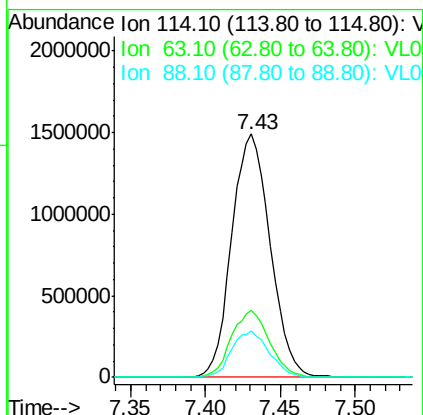
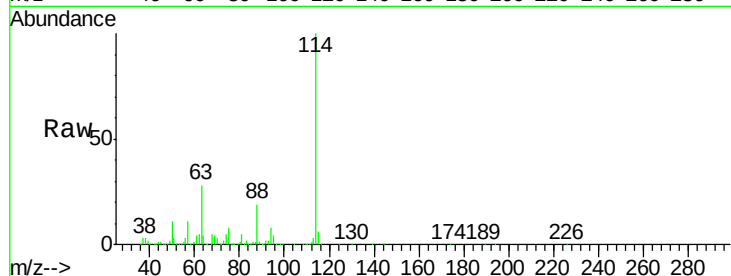




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

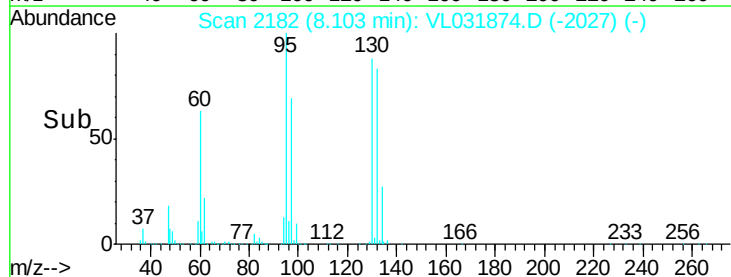
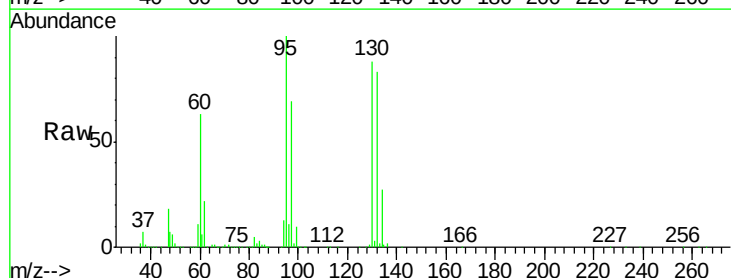
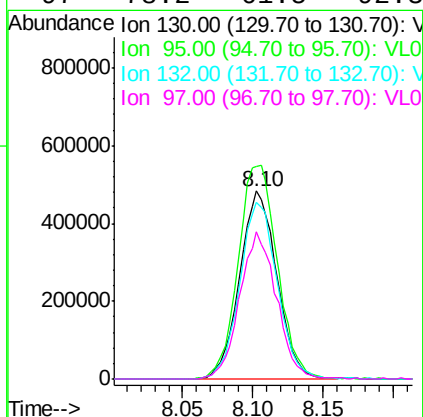
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-040218DL

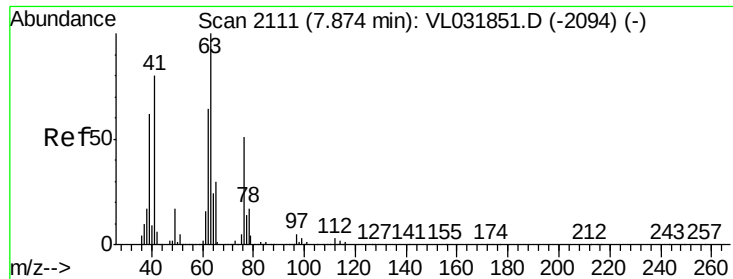
Tgt Ion:114 Resp: 2674927
 Ion Ratio Lower Upper
 114 100
 63 27.3 21.8 32.6
 88 18.7 14.6 22.0



#38
 Trichloroethene
 Concen: 9.16 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

Tgt Ion:130 Resp: 894781
 Ion Ratio Lower Upper
 130 100
 95 113.3 96.6 144.8
 132 94.3 79.1 118.7
 97 78.2 61.5 92.3

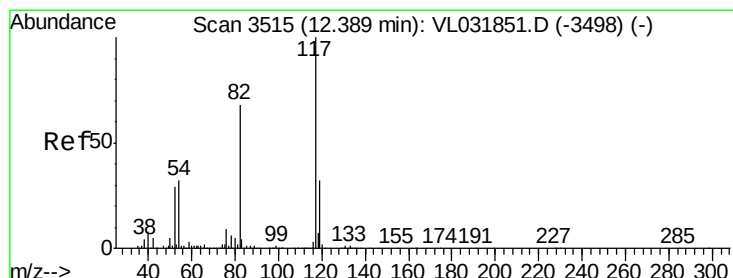
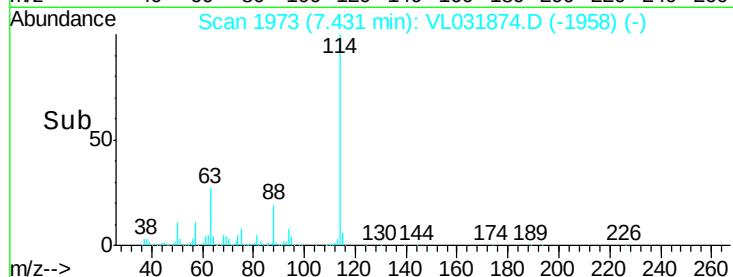
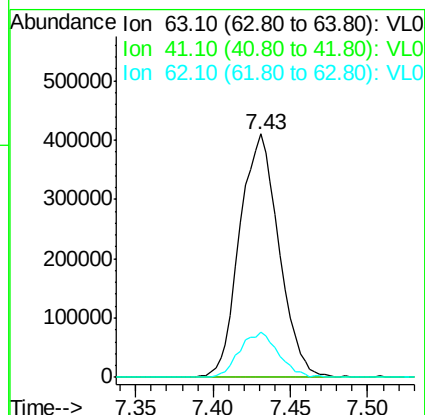
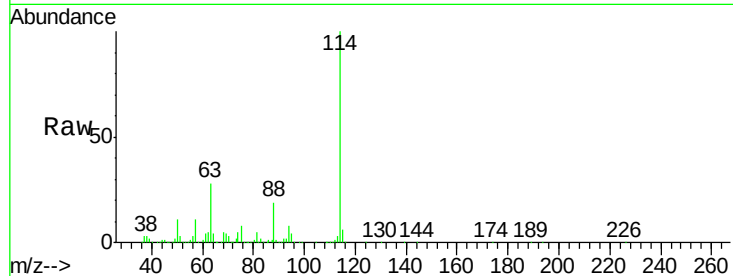




#39
 1,2-Dichloropropane
 Concen: 8.08 ppbv
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.45 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

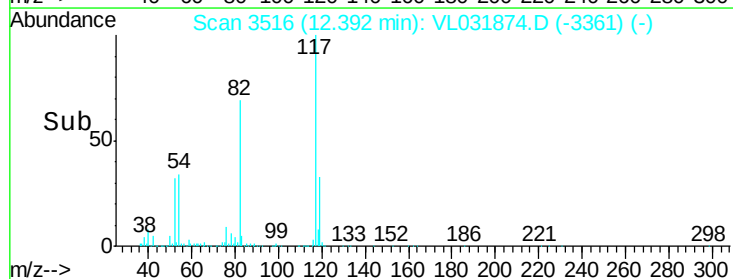
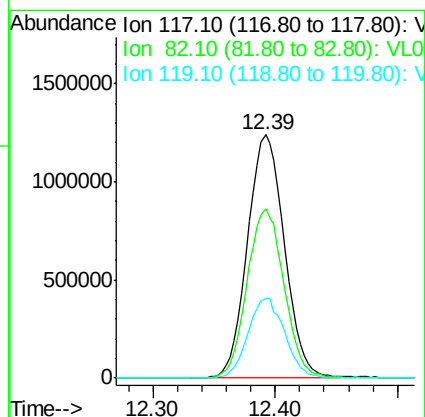
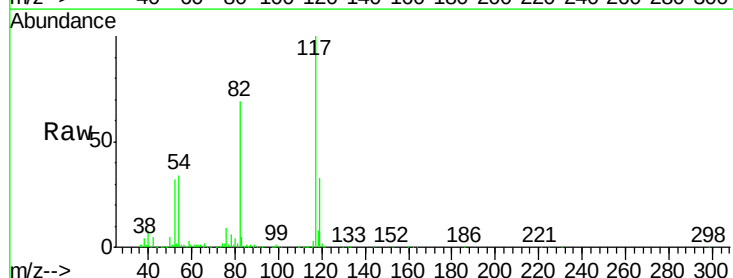
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF3-040218DL

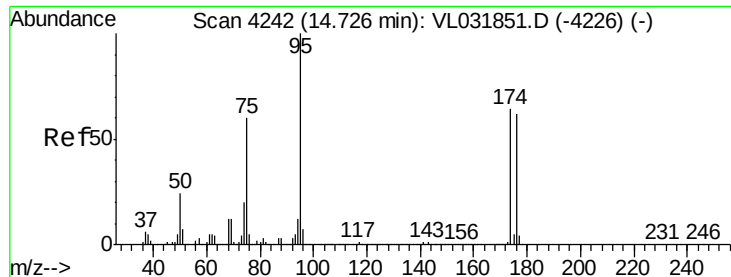
Tgt Ion: 63 Resp: 722360
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.8 98.6#
 62 18.5 55.0 82.6#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.39 min Scan# 3516
 Delta R.T. -0.00 min
 Lab File: VL031874.D
 Acq: 12 Apr 2018 20:44

Tgt Ion: 117 Resp: 2589278
 Ion Ratio Lower Upper
 117 100
 82 69.9 54.6 81.8
 119 32.7 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.99 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. -0.00 min

Lab File: VL031874.D

Acq: 12 Apr 2018 20:44

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF3-040218DL

Tgt Ion: 95 Resp: 2079858

Ion Ratio Lower Upper

95 100

174 64.9 52.3 78.5

175 4.6 3.9 5.9

