

Data File : VL031876.D

Acq On : 12 Apr 2018 22:03

Operator : SY/AP

Sample : J2191-06DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

Quant Time: Apr 14 01:38:28 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	1449927	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2935875	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2878879	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2347680	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

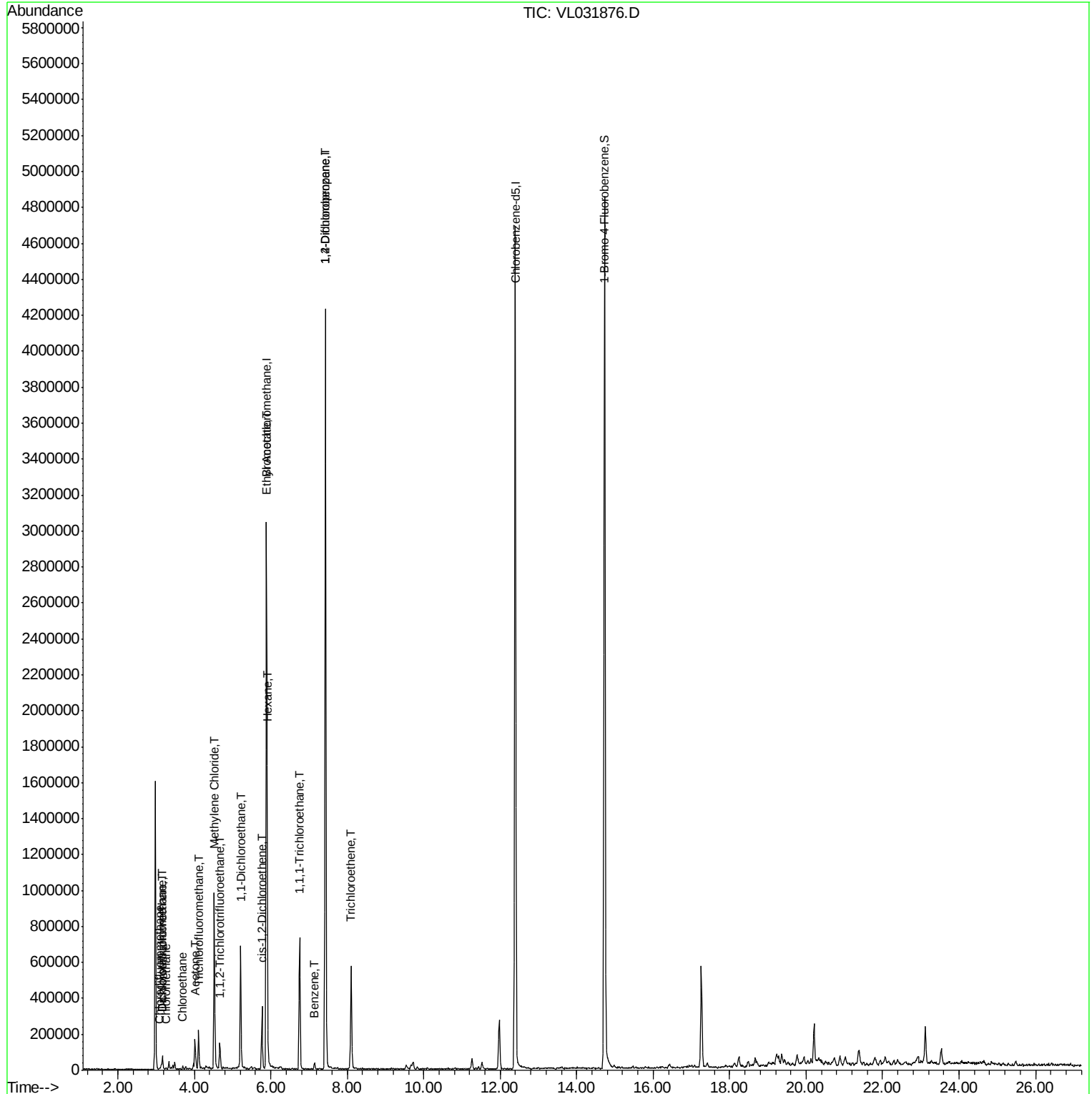
						Qvalue
2) Dichlorodifluoromethane	3.17	85	51782	0.17	ppbv	97
3) Chlorodifluoromethane	3.10	51	7237	0.04	ppbv	94
4) Chloromethane	3.27	50	3592	0.04	ppbv #	48
7) Chloroethane	3.70	64	9911	0.26	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	51782	0.21	ppbv #	17
11) Trichlorofluoromethane	4.11	101	136978	0.47	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.67	101	53148	0.28	ppbv	98
15) Acetone	4.02	43	180937	0.81	ppbv	98
20) Methylene Chloride	4.52	84	334050	4.11	ppbv	96
24) 1,1-Dichloroethane	5.21	63	558519	2.48	ppbv	100
25) Ethyl Acetate	5.90	43	12983	0.04	ppbv #	82
26) Hexane	5.91	57	33885	0.21	ppbv #	41
31) cis-1,2-Dichloroethene	5.77	61	187680	1.28	ppbv	98
32) 1,1,1-Trichloroethane	6.76	97	465925	1.74	ppbv	100
36) Benzene	7.14	78	26026	0.10	ppbv #	94
38) Trichloroethene	8.10	130	161666	1.51	ppbv	94
39) 1,2-Dichloropropane	7.43	63	766255	7.81	ppbv #	21

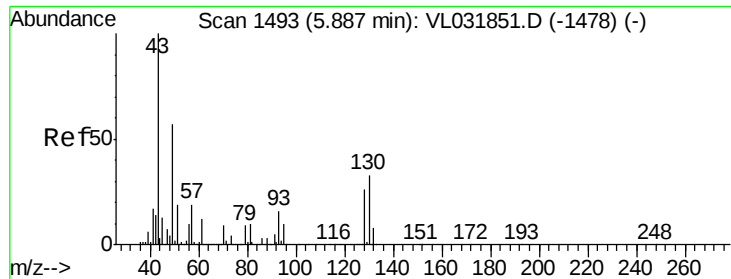
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

SVE-INF1-040218DL

Response via : Initial Calibration

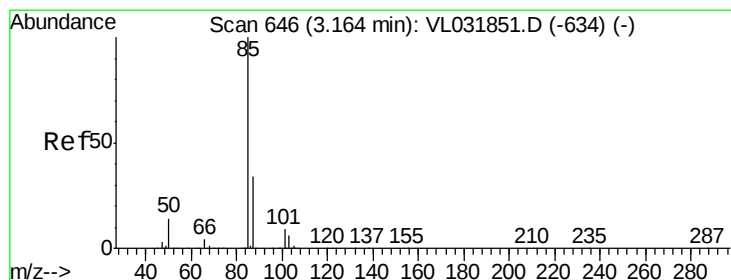
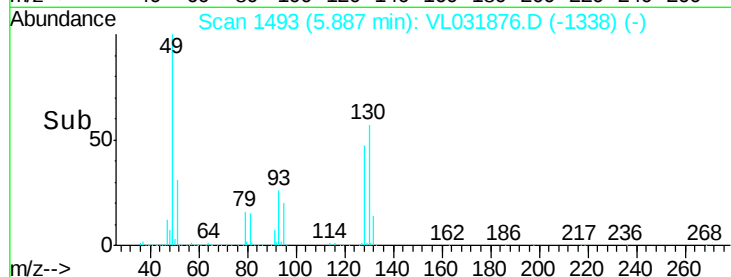
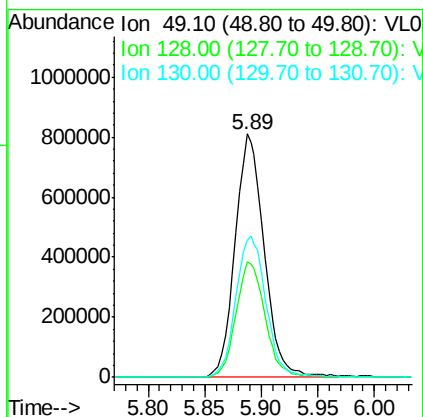
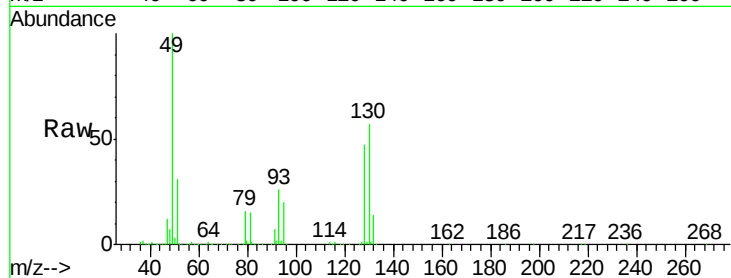




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.89 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

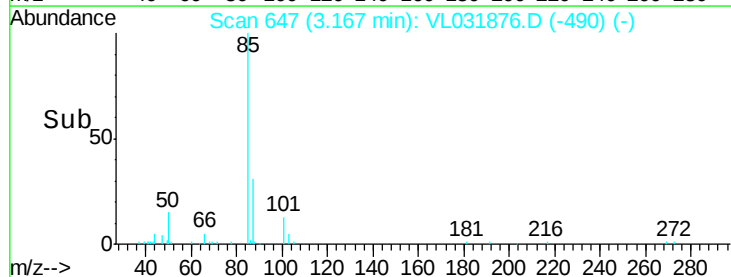
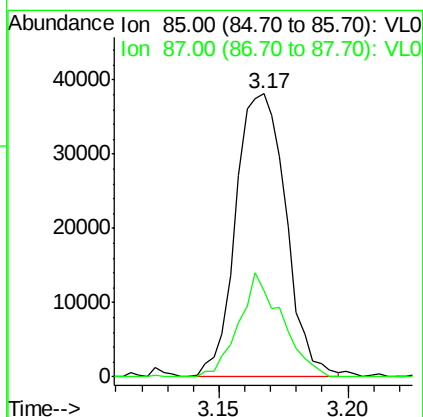
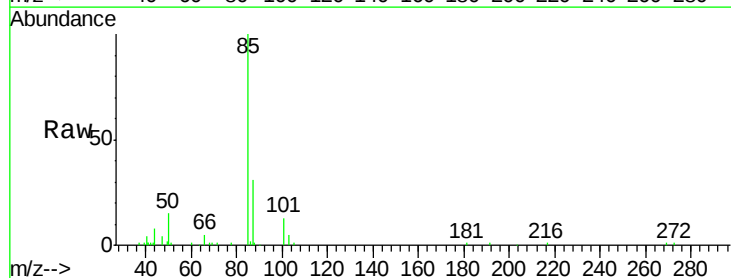
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF1-040218DL

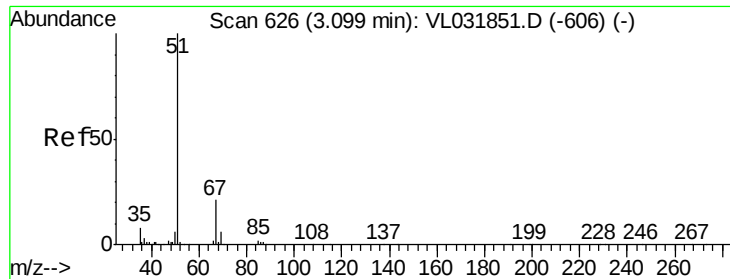
Tgt Ion: 49 Resp: 1449927
 Ion Ratio Lower Upper
 49 100
 128 47.8 23.9 71.7
 130 60.5 30.9 92.7



#2
 Dichlorodifluoromethane
 Concen: 0.17 ppbv
 RT: 3.17 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

Tgt Ion: 85 Resp: 51782
 Ion Ratio Lower Upper
 85 100
 87 30.6 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 3.10 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

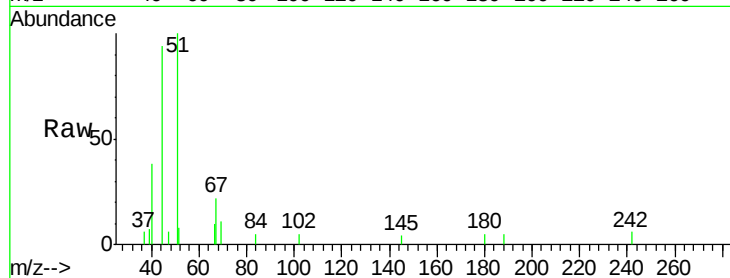
SVE-INF1-040218DL

Tgt Ion: 51 Resp: 7237

Ion Ratio Lower Upper

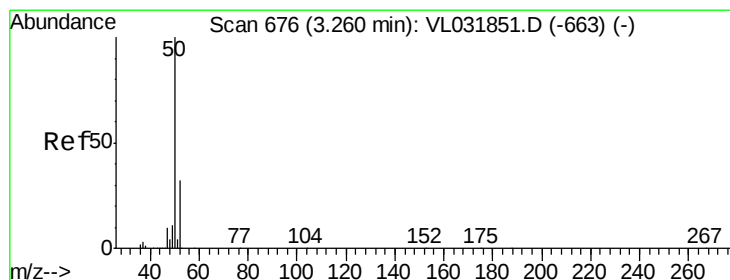
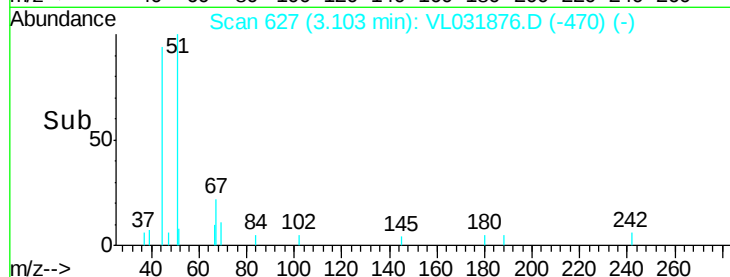
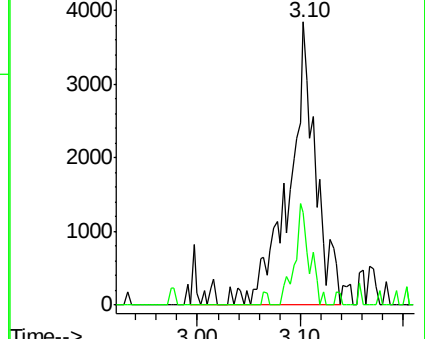
51 100

67 18.9 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: VL031876.D

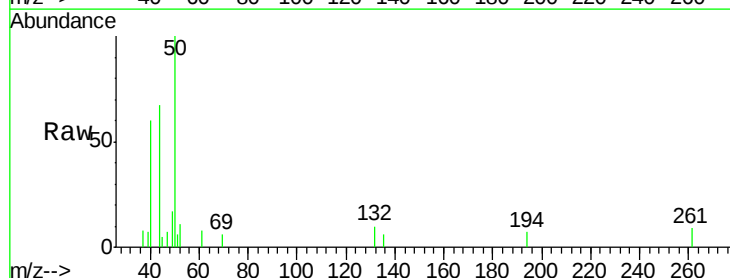
Acq: 12 Apr 2018 22:03

Tgt Ion: 50 Resp: 3592

Ion Ratio Lower Upper

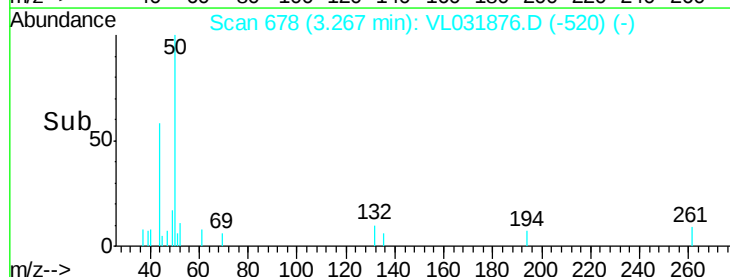
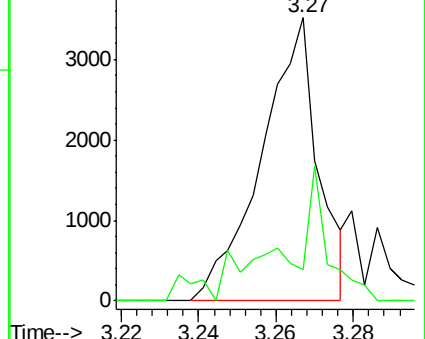
50 100

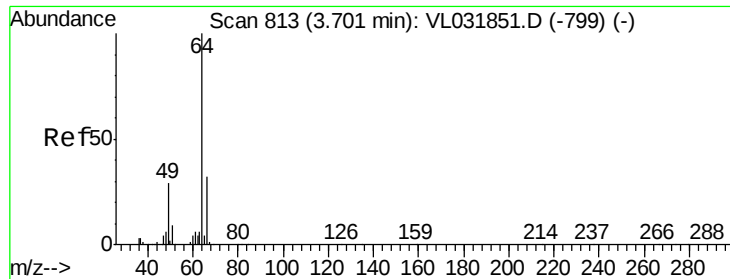
52 5.0 28.1 42.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.26 ppbv

RT: 3.70 min Scan# 812

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

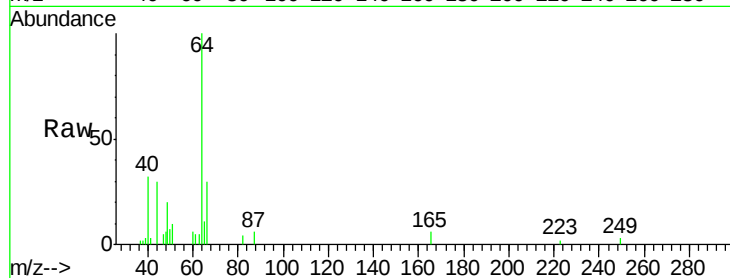
SVE-INF1-040218DL

Tgt Ion: 64 Resp: 9911

Ion Ratio Lower Upper

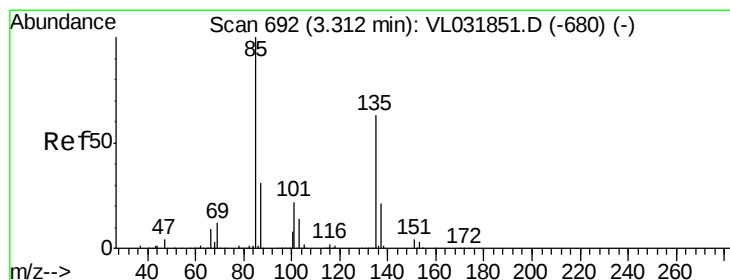
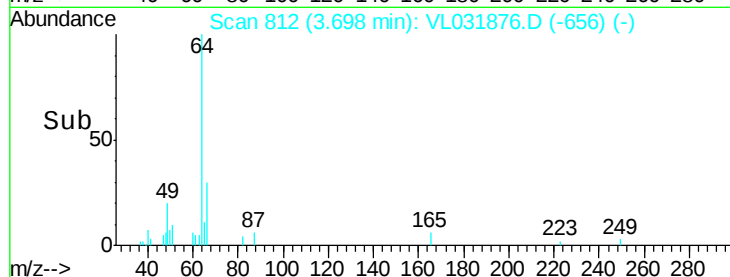
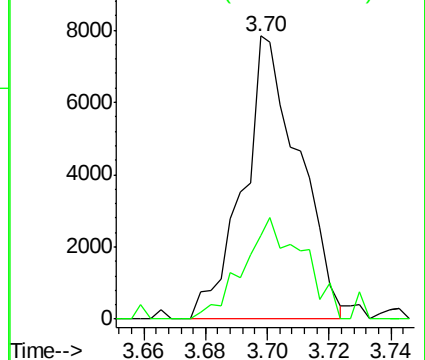
64 100

66 29.6 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: 0.21 ppbv

RT: 3.17 min Scan# 647

Delta R.T. -0.14 min

Lab File: VL031876.D

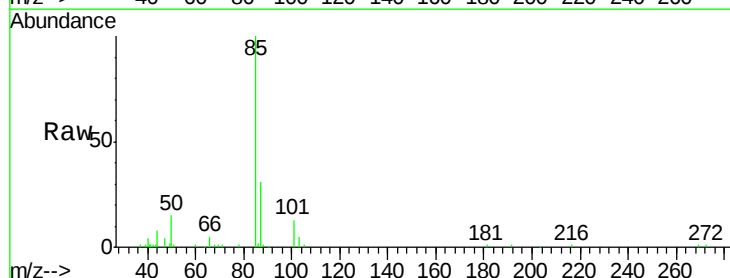
Acq: 12 Apr 2018 22:03

Tgt Ion: 85 Resp: 51782

Ion Ratio Lower Upper

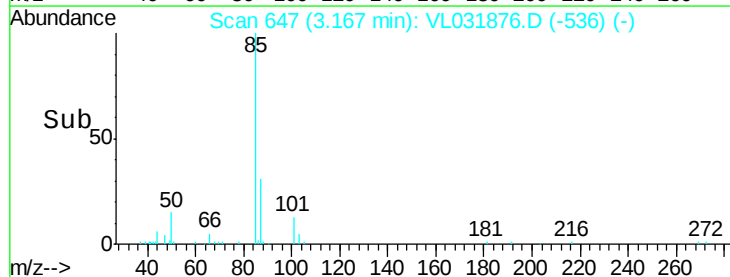
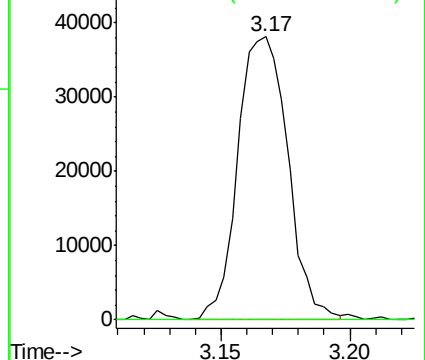
85 100

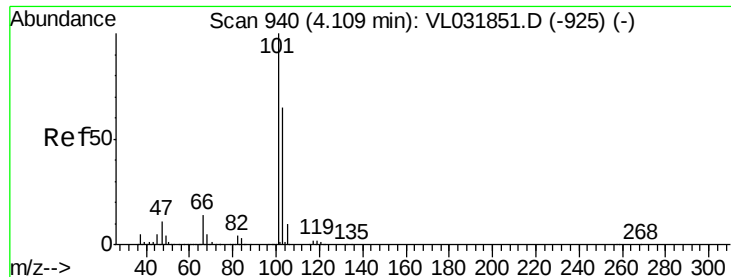
135 0.2 52.7 79.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

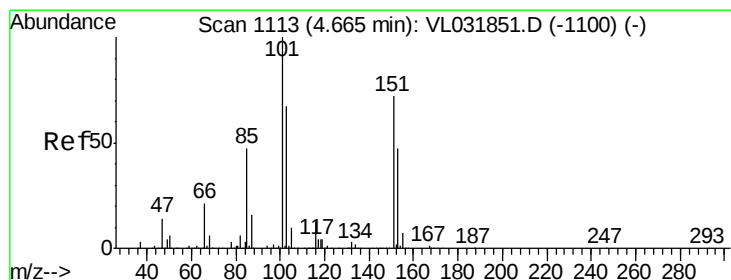
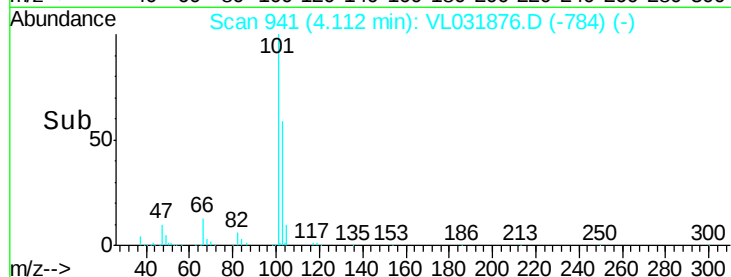
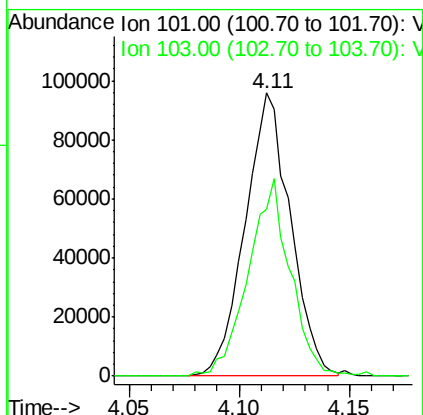
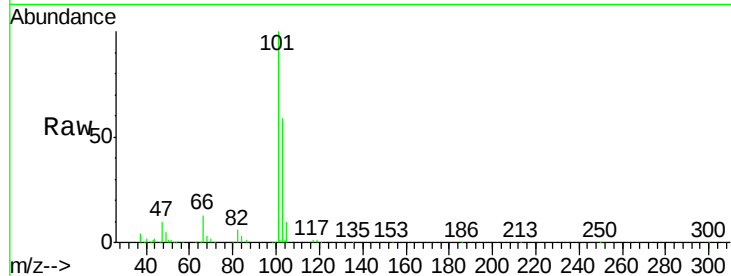




#11
 Trichlorofluoromethane
 Concen: 0.47 ppbv
 RT: 4.11 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

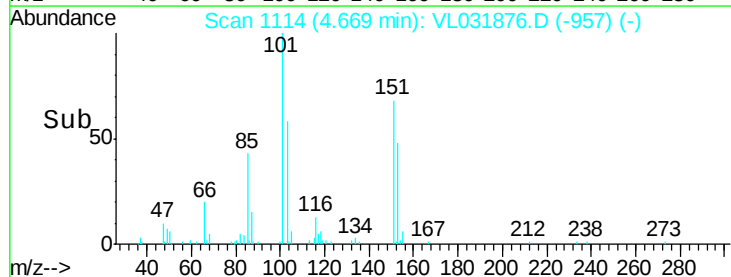
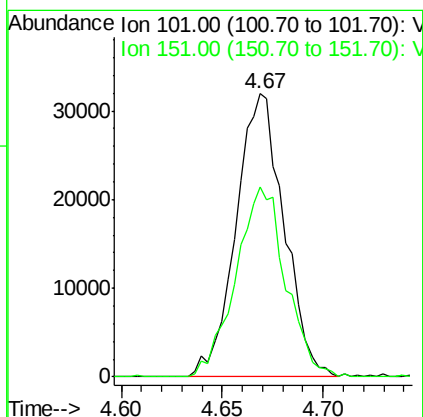
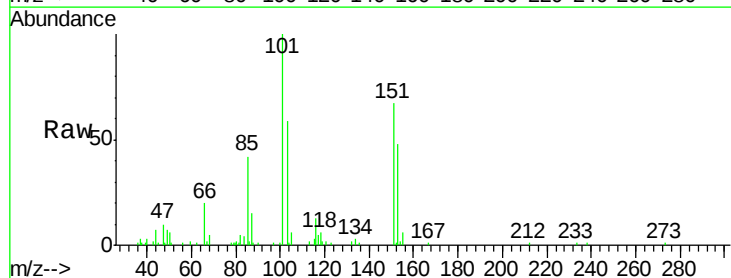
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF1-040218DL

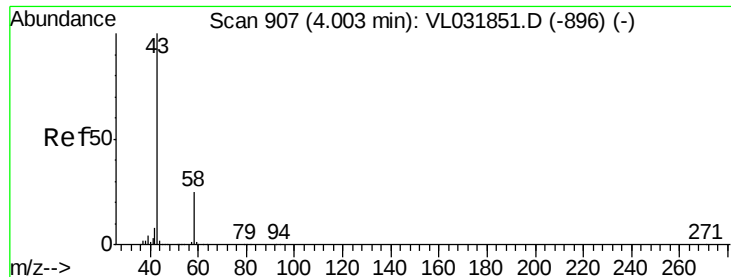
Tgt Ion:101 Resp: 136978
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.28 ppbv
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

Tgt Ion:101 Resp: 53148
 Ion Ratio Lower Upper
 101 100
 151 69.7 57.0 85.6





#15

Acetone

Concen: 0.81 ppbv

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

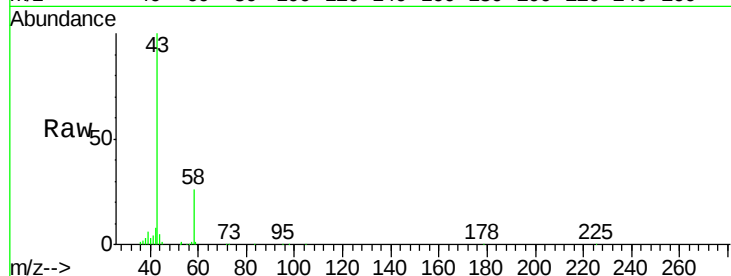
SVE-INF1-040218DL

Tgt Ion: 43 Resp: 180937

Ion Ratio Lower Upper

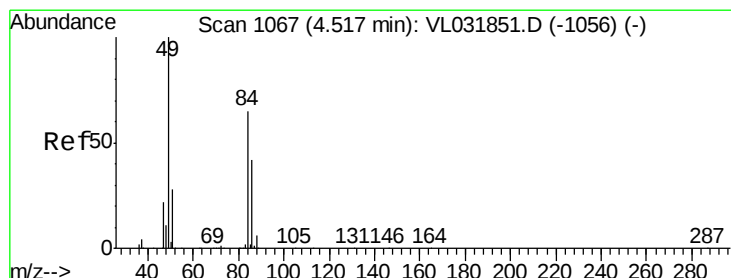
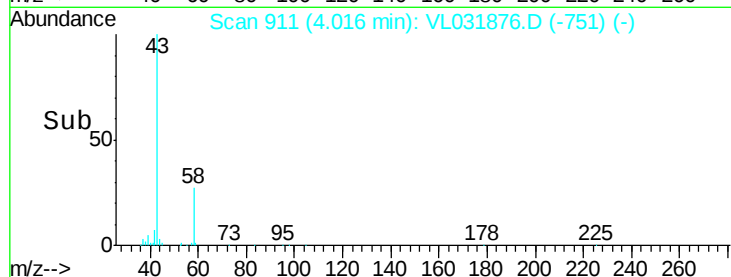
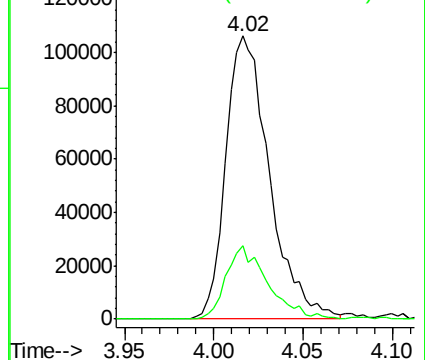
43 100

58 25.1 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 4.11 ppbv

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Tgt Ion: 84 Resp: 334050

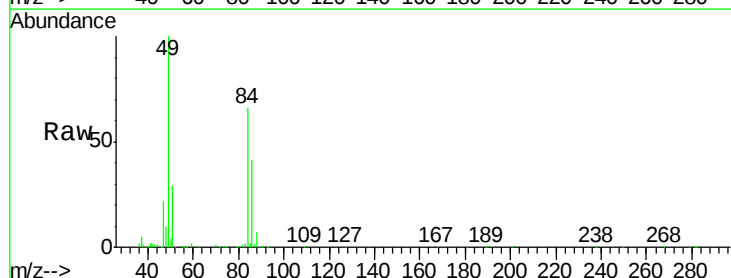
Ion Ratio Lower Upper

84 100

49 151.4 125.6 188.4

51 44.2 36.4 54.6

86 62.5 53.7 80.5

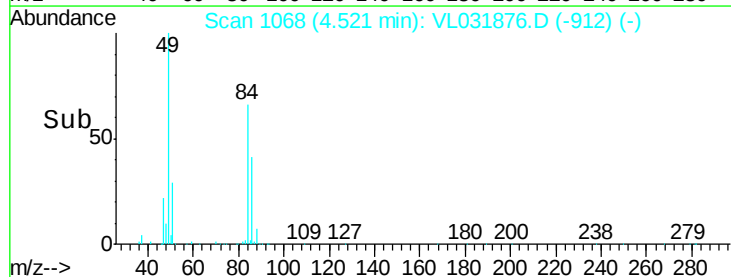
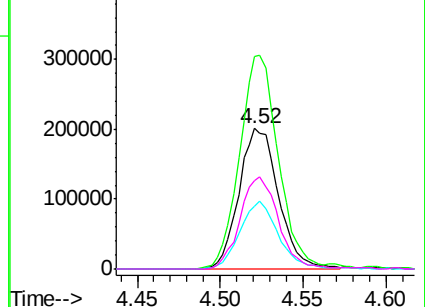


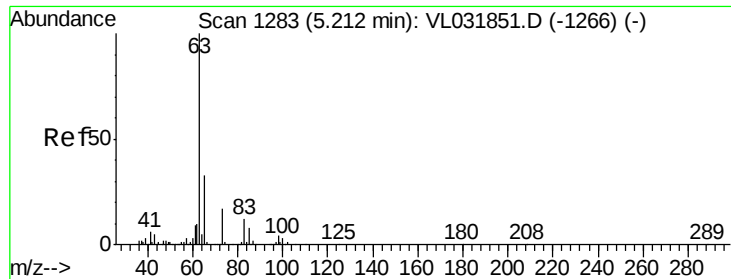
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#24

1,1-Dichloroethane

Concen: 2.48 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

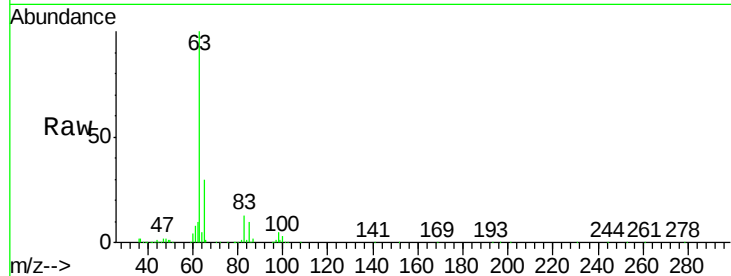
Tgt Ion: 63 Resp: 558519

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

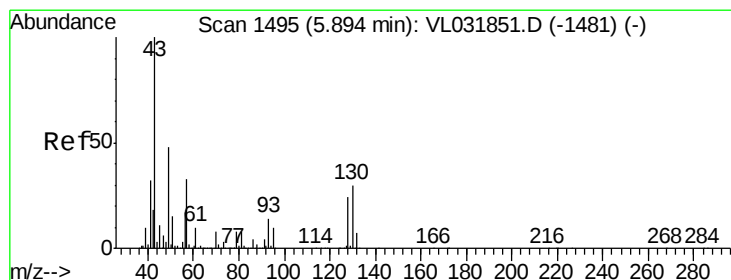
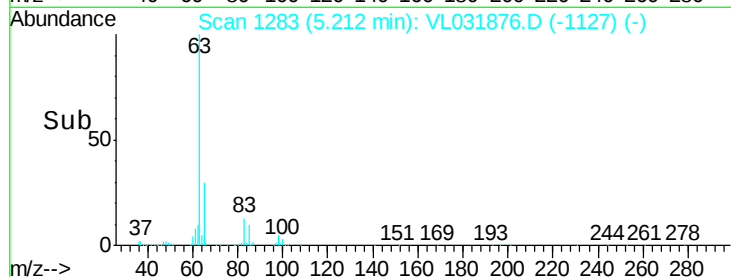
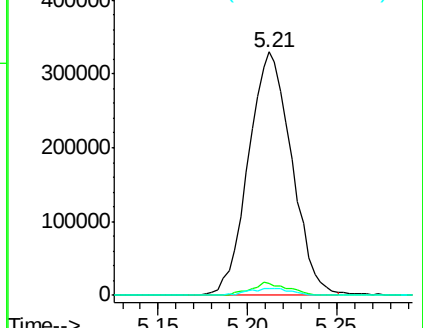
100 2.8 1.5 4.4



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



#25

Ethyl Acetate

Concen: 0.04 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Tgt Ion: 43 Resp: 12983

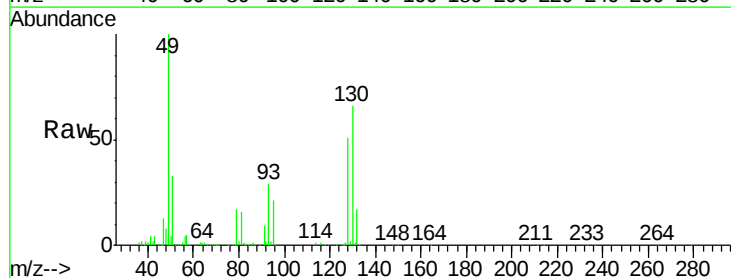
Ion Ratio Lower Upper

43 100

45 4.5 7.8 11.8#

61 0.0 7.2 10.8#

70 2.3 5.8 8.8#

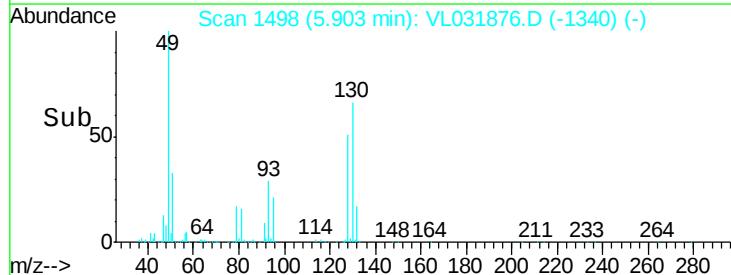
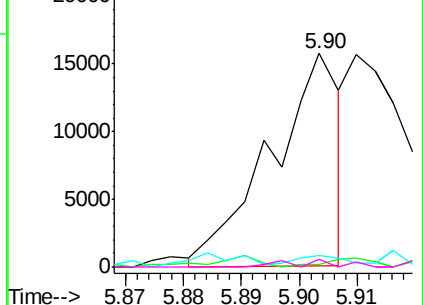


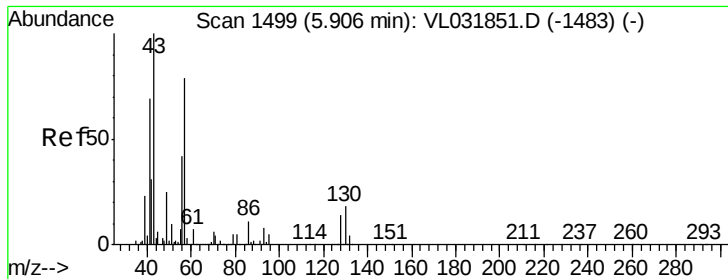
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

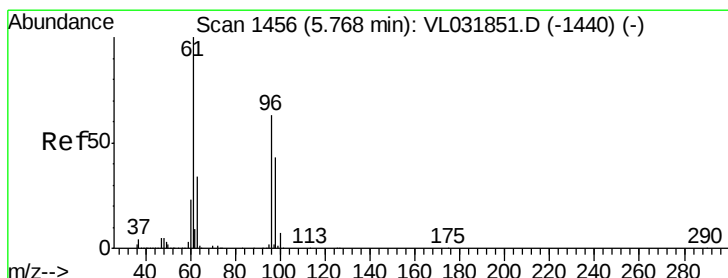
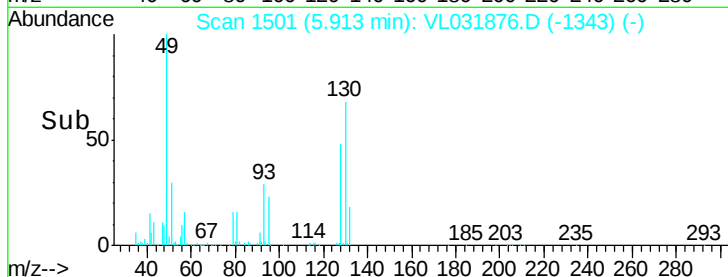
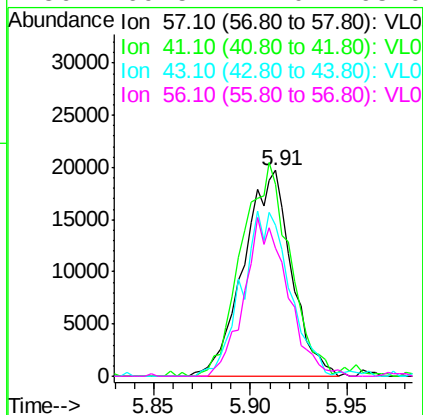
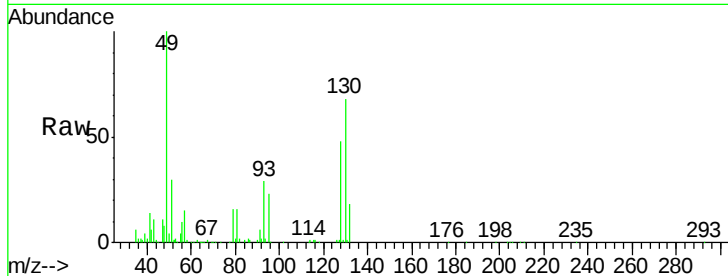




#26
Hexane
Concen: 0.21 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VL031876.D
Acq: 12 Apr 2018 22:03

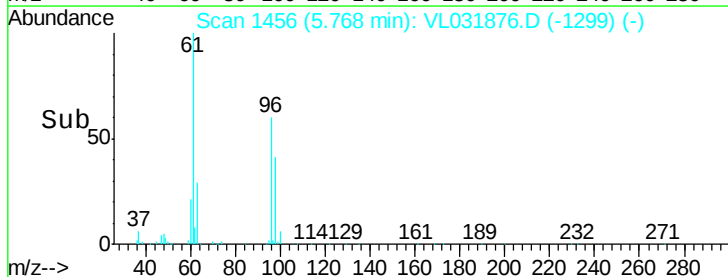
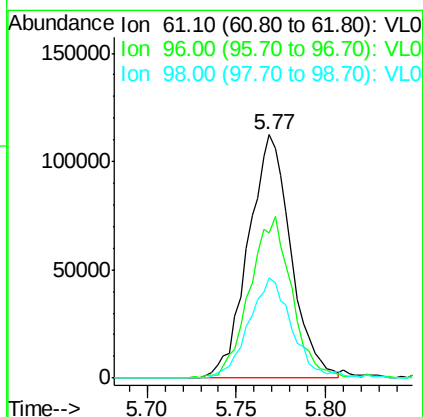
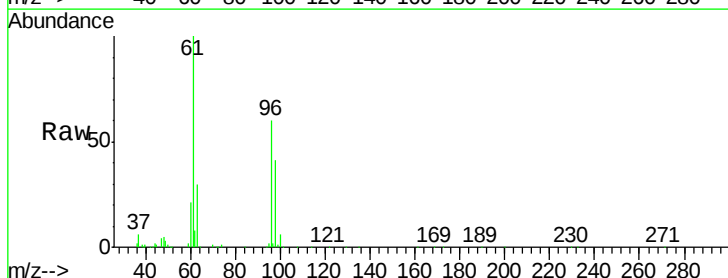
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218DL

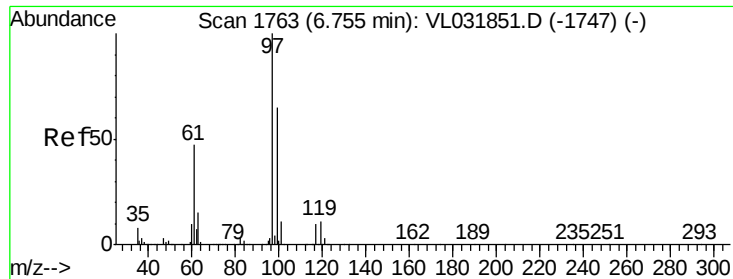
Tgt Ion: 57 Resp: 33885
Ion Ratio Lower Upper
57 100
41 108.9 72.0 108.0#
43 81.3 169.8 254.8#
56 69.5 42.0 63.0#



#31
cis-1,2-Dichloroethene
Concen: 1.28 ppbv
RT: 5.77 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VL031876.D
Acq: 12 Apr 2018 22:03

Tgt Ion: 61 Resp: 187680
Ion Ratio Lower Upper
61 100
96 59.5 47.6 71.4
98 41.4 30.3 45.5





#32

1,1,1-Trichloroethane

Concen: 1.74 ppbv

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

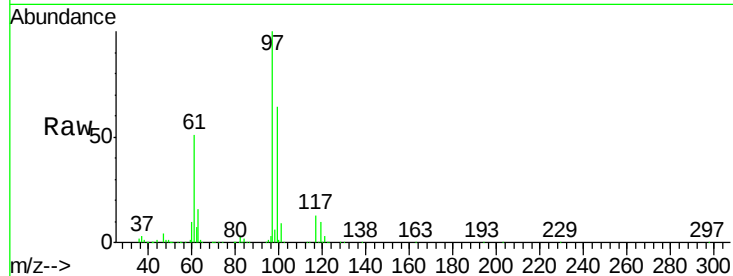
Tgt Ion: 97 Resp: 465925

Ion Ratio Lower Upper

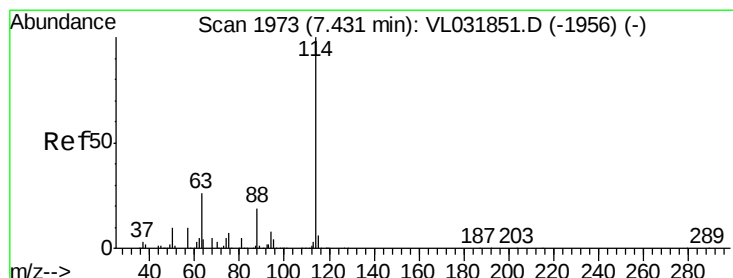
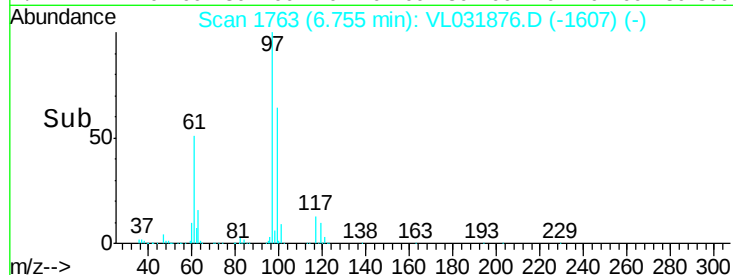
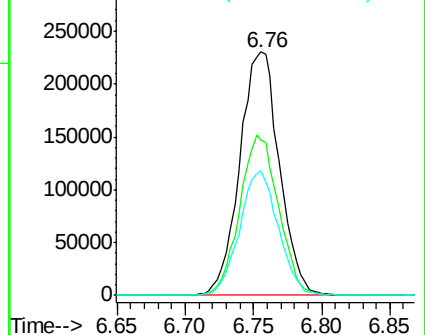
97 100

99 64.2 51.5 77.3

61 49.9 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# 1973

Delta R.T. -0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

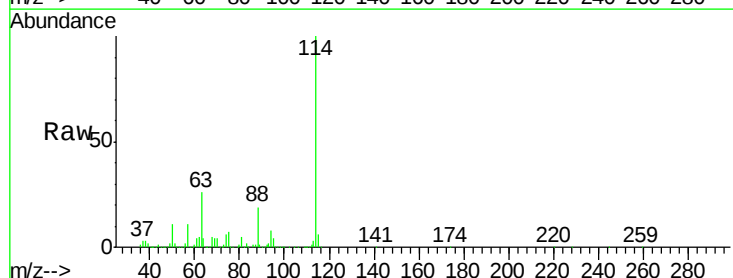
Tgt Ion: 114 Resp: 2935875

Ion Ratio Lower Upper

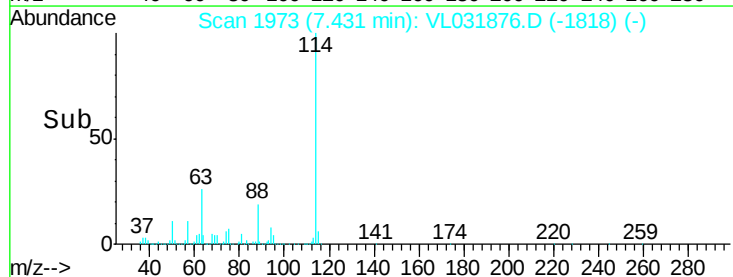
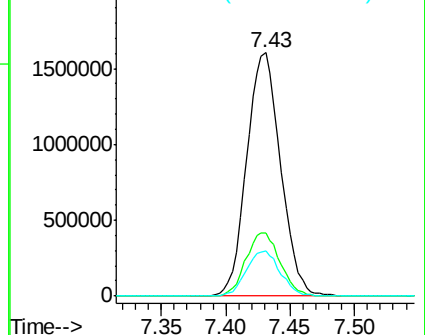
114 100

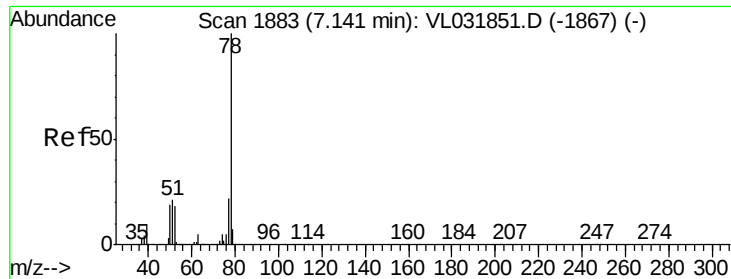
63 26.3 21.8 32.6

88 18.6 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





#36

Benzene

Concen: 0.10 ppbv

RT: 7.14 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

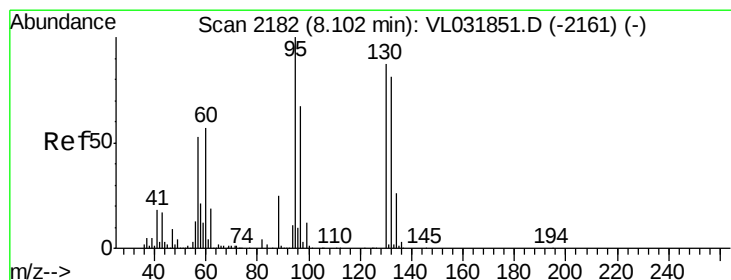
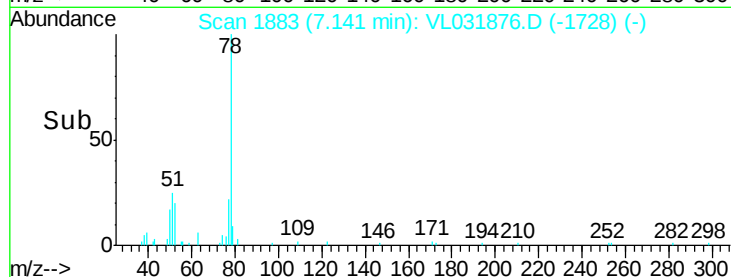
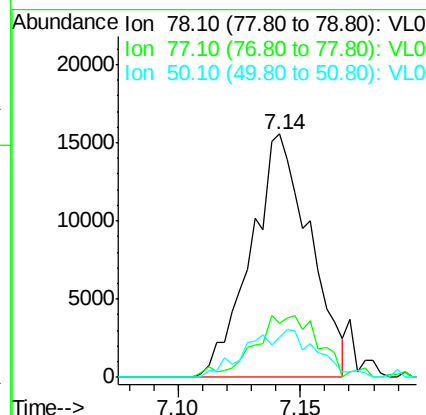
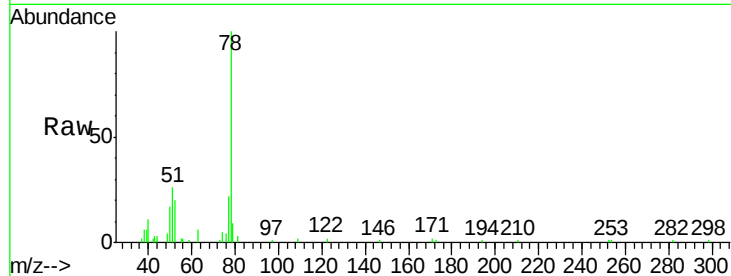
MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

Tgt Ion: 78 Resp: 26026

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.2	28.8
50	16.7	16.7	25.1#



#38

Trichloroethene

Concen: 1.51 ppbv

RT: 8.10 min Scan# 2182

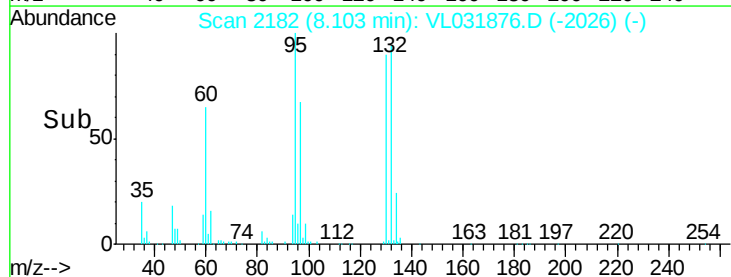
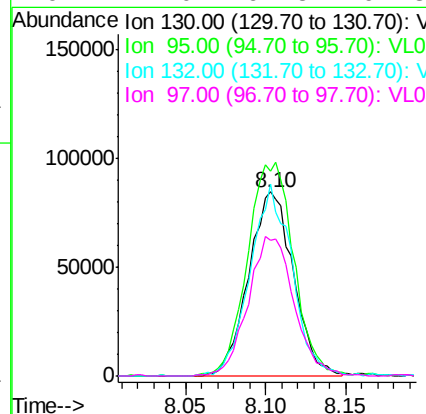
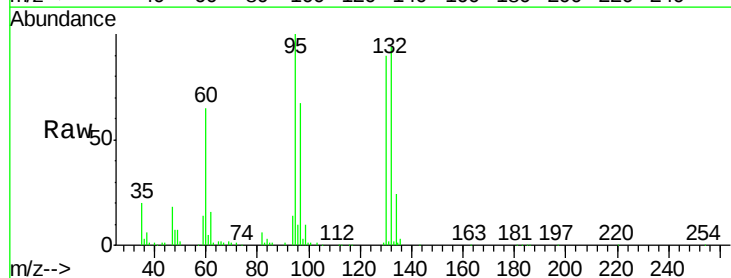
Delta R.T. 0.00 min

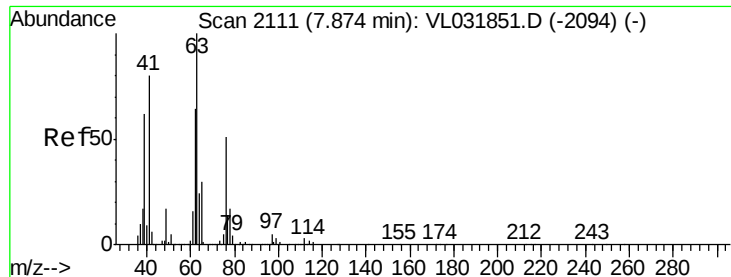
Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Tgt Ion: 130 Resp: 161666

Ion	Ratio	Lower	Upper
130	100		
95	111.0	96.6	144.8
132	104.3	79.1	118.7
97	74.0	61.5	92.3

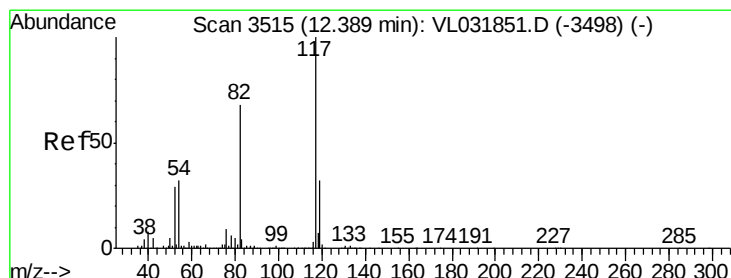
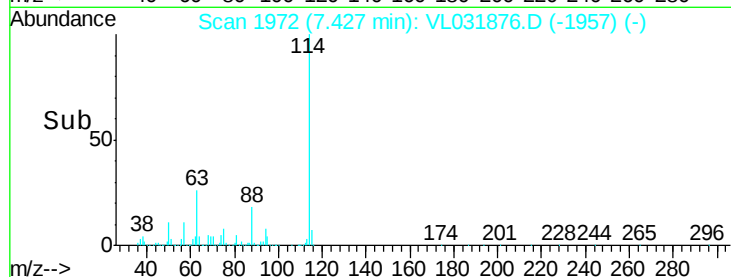
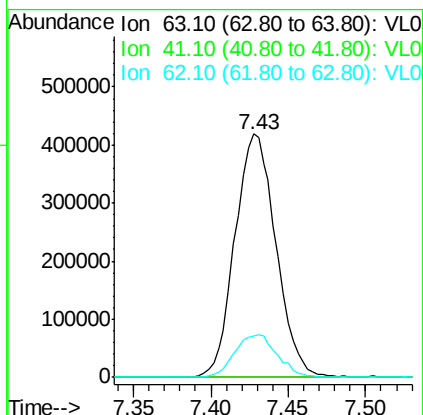
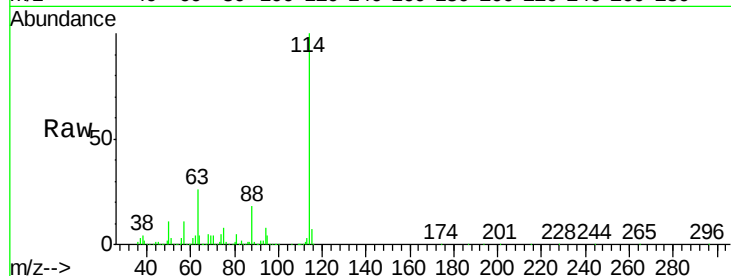




#39
 1,2-Dichloropropane
 Concen: 7.81 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.45 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

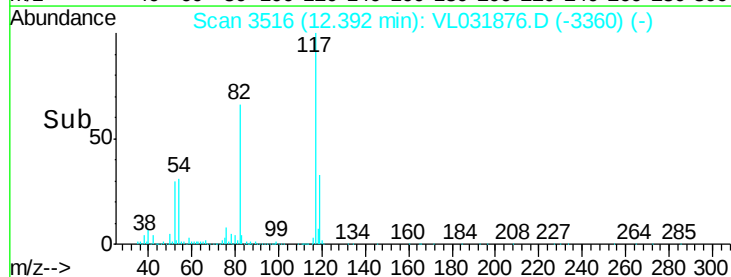
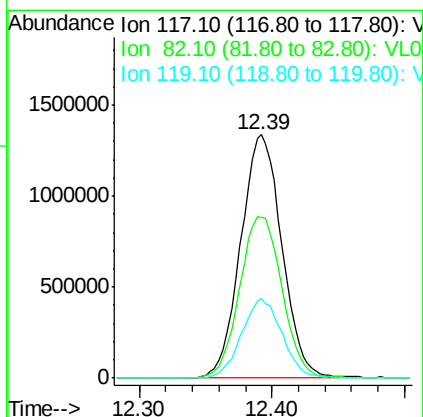
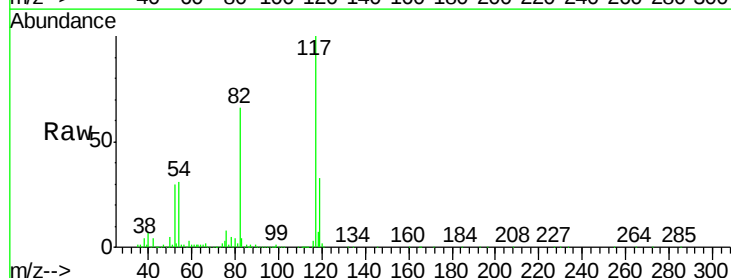
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF1-040218DL

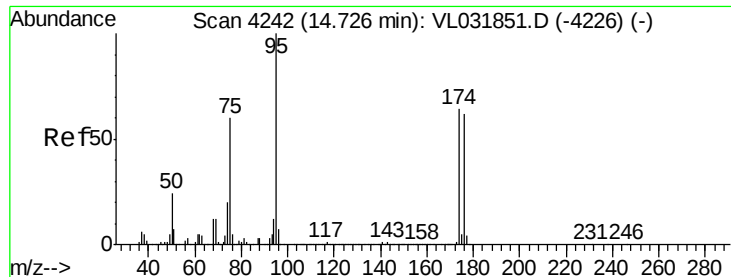
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	16.9	55.0	82.6#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.39 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	54.6	81.8
119	32.5	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.14 ppbv

RT: 14.73 min Scan# 4243

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

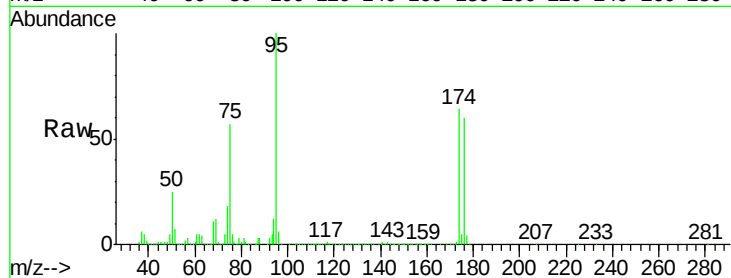
Tgt Ion: 95 Resp: 2347680

Ion Ratio Lower Upper

95 100

174 65.2 52.3 78.5

175 4.7 3.9 5.9



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

