

Data File : VL031856.D
Acq On : 12 Apr 2018 3:26
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Apr 12 04:20:31 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Apr 12 04:17:02 2018
QLast Update : Thu Apr 12 04:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1267445	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2693020	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2615039	10.00	ppbv	0.00

System Monitoring Compounds

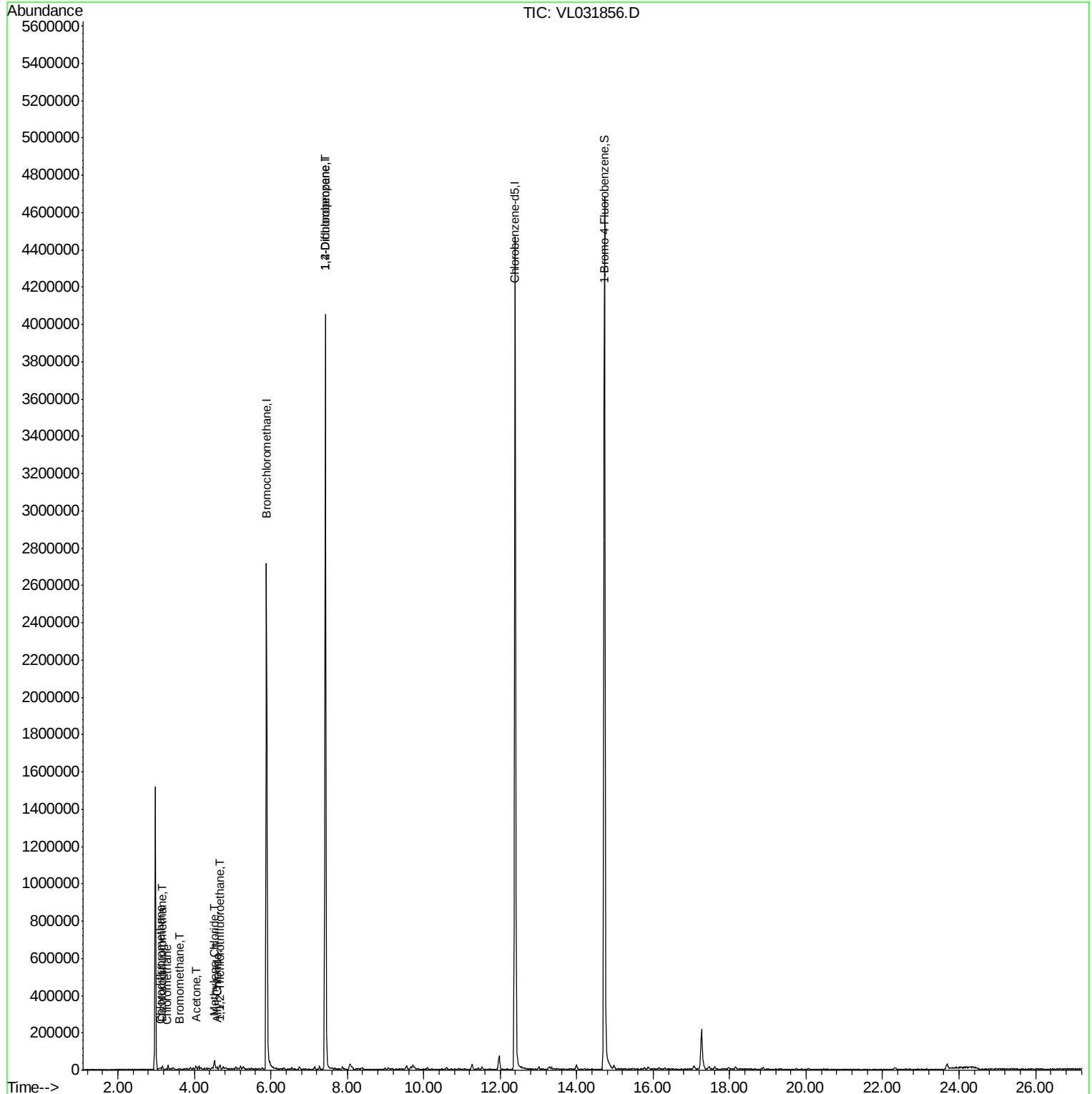
68) 1-Bromo-4-Fluorobenzene	14.73	95	2139338	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

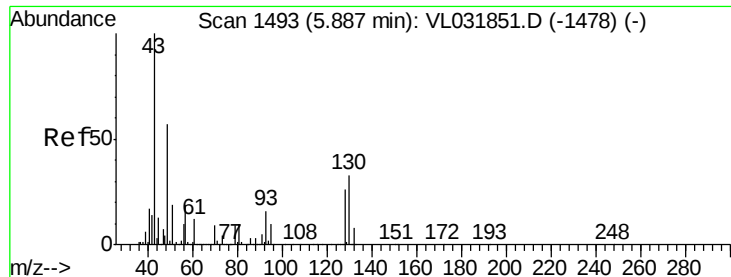
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.16	85	11422	0.05	ppbv	99
3) Chlorodifluoromethane	3.11	51	6357	0.04	ppbv #	88
4) Chloromethane	3.27	50	2508	0.03	ppbv	94
6) Bromomethane	3.61	94	2138	0.04	ppbv #	46
12) 1,1,2-Trichlorotrifluoroet	4.67	101	6817	0.04	ppbv	85
15) Acetone	4.04	43	13582	0.06	ppbv #	72
20) Methylene Chloride	4.52	84	8757	0.12	ppbv #	65
21) Allyl Chloride	4.59	41	4519	0.04	ppbv #	63
39) 1,2-Dichloropropane	7.43	63	743816	8.12	ppbv #	24

(#) = 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

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ClientSampleId :

VSTDIC0.03

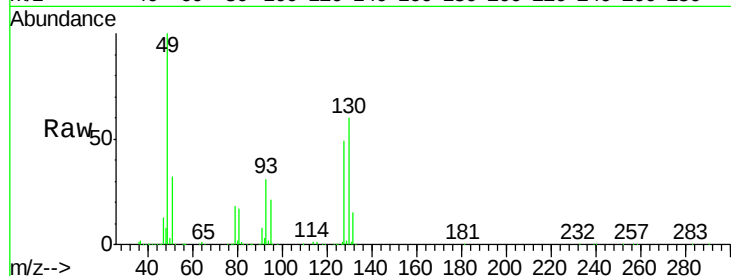
Tgt Ion: 49 Resp: 1267445

Ion Ratio Lower Upper

49 100

128 48.9 23.9 71.8

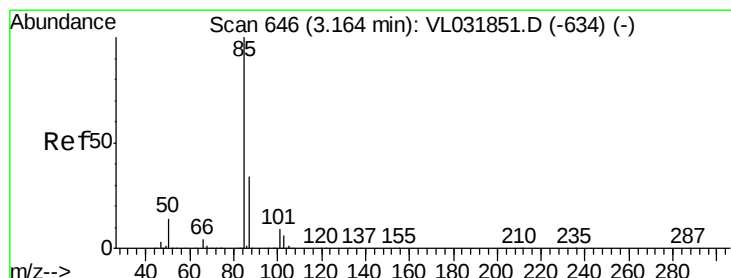
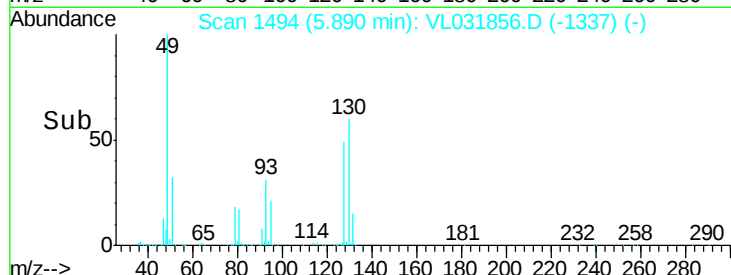
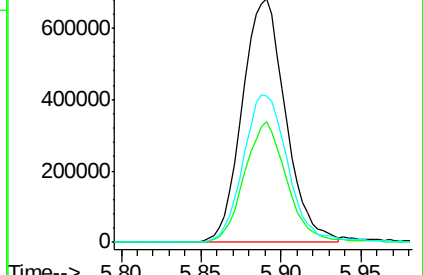
130 63.5 31.1 93.2



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: 0.05 ppbv

RT: 3.16 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL031856.D

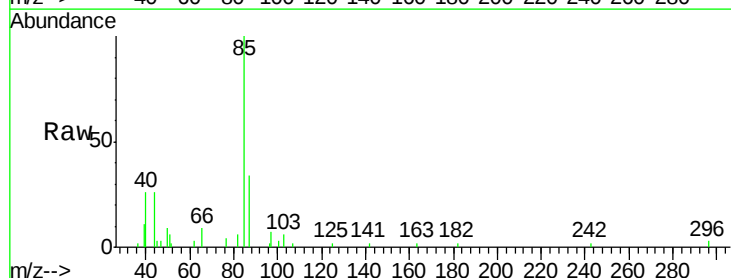
Acq: 12 Apr 2018 3:26

Tgt Ion: 85 Resp: 11422

Ion Ratio Lower Upper

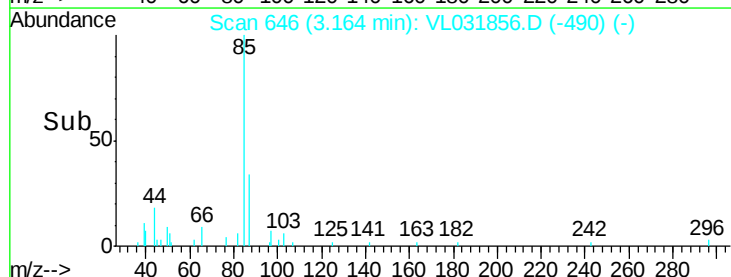
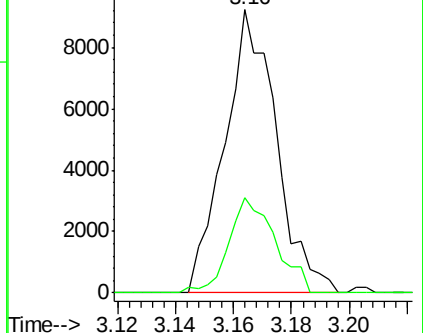
85 100

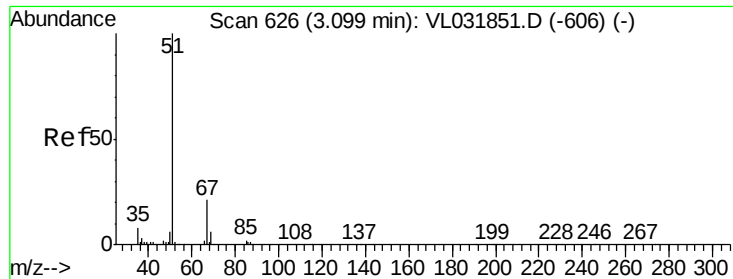
87 33.6 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 3.11 min Scan# 629

Delta R.T. 0.01 min

Lab File: VL031856.D

Acq: 12 Apr 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

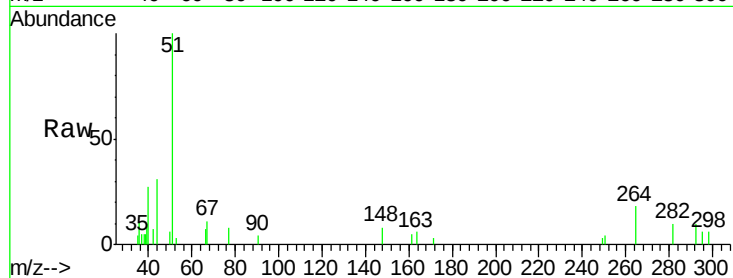
VSTDIC0.03

Tgt Ion: 51 Resp: 6357

Ion Ratio Lower Upper

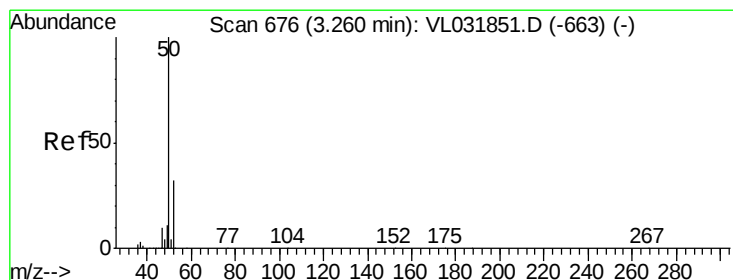
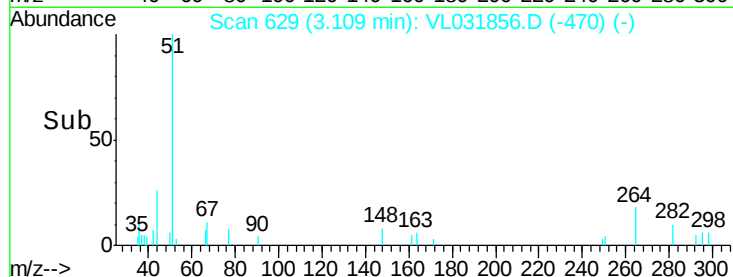
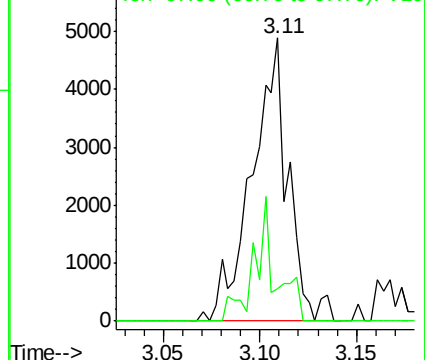
51 100

67 26.3 16.7 25.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.27 min Scan# 678

Delta R.T. 0.01 min

Lab File: VL031856.D

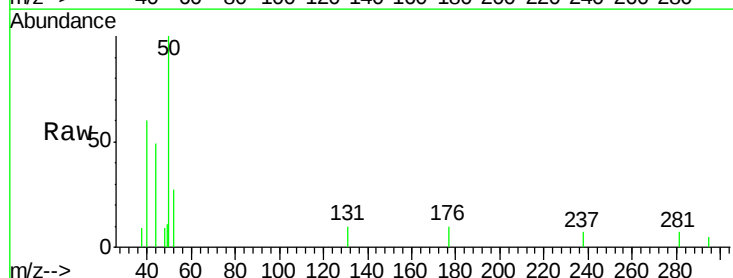
Acq: 12 Apr 2018 3:26

Tgt Ion: 50 Resp: 2508

Ion Ratio Lower Upper

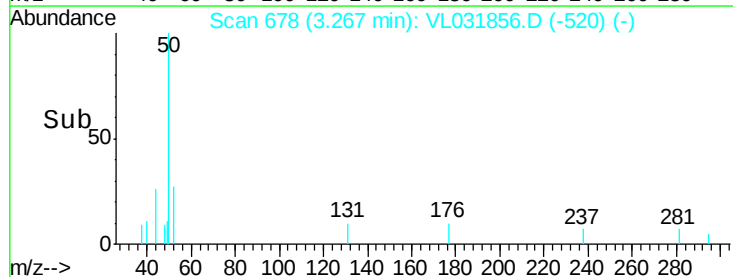
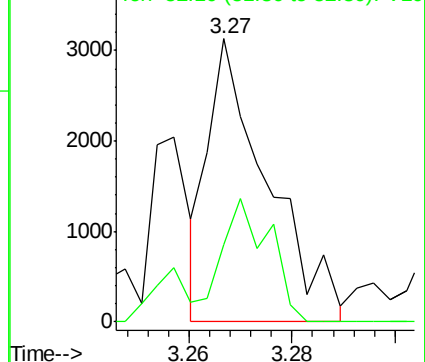
50 100

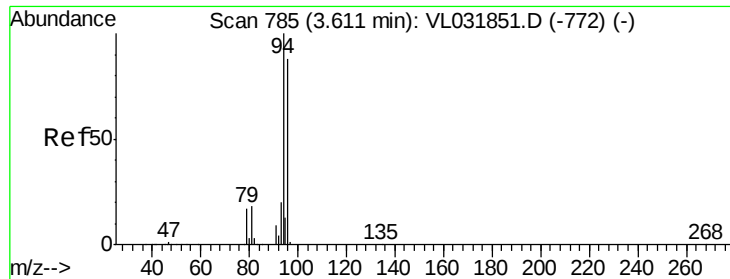
52 28.9 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.04 ppbv

RT: 3.61 min Scan# 786

Delta R.T. 0.00 min

Lab File: VL031856.D

Acq: 12 Apr 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

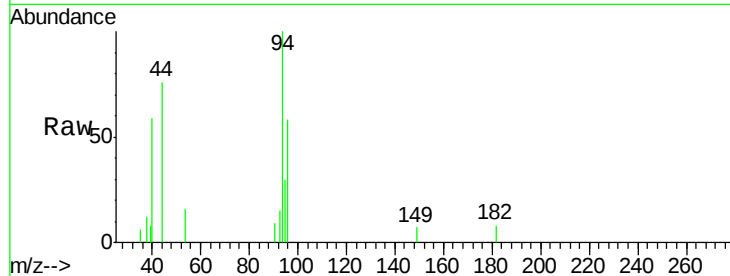
VSTDIC0.03

Tgt Ion: 94 Resp: 2138

Ion Ratio Lower Upper

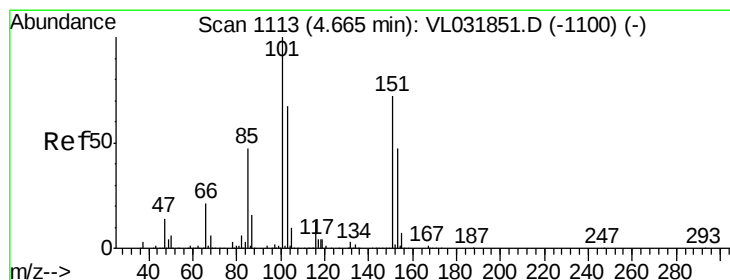
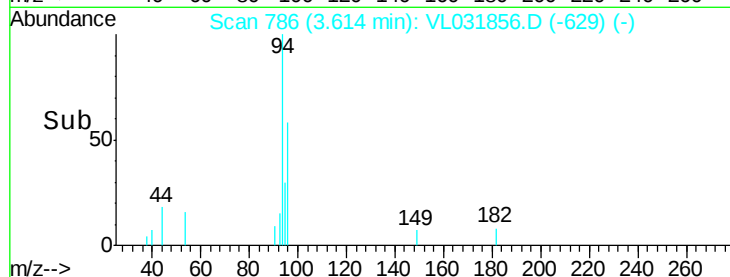
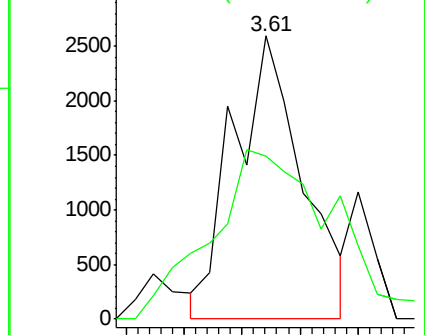
94 100

96 37.8 70.6 105.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.04 ppbv

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VL031856.D

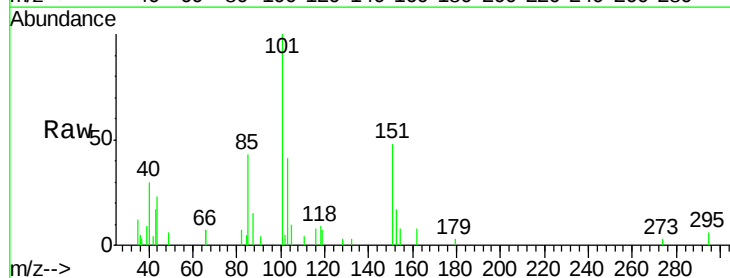
Acq: 12 Apr 2018 3:26

Tgt Ion: 101 Resp: 6817

Ion Ratio Lower Upper

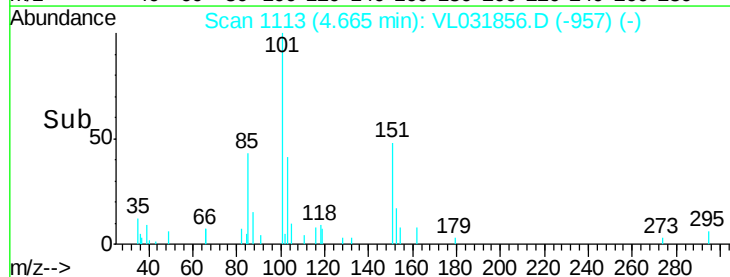
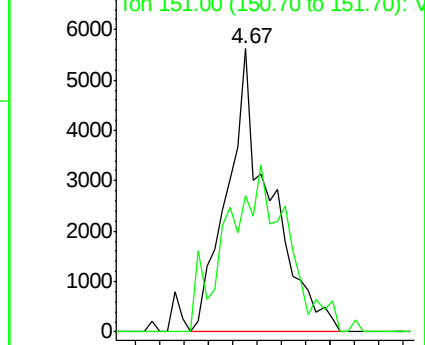
101 100

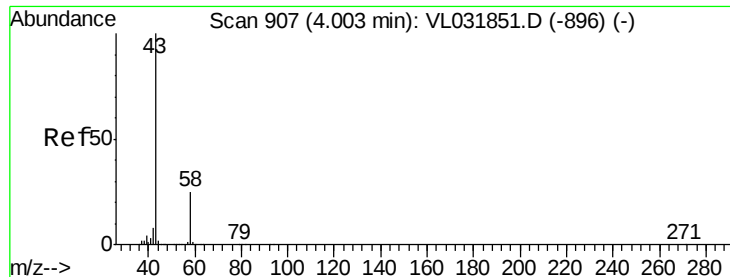
151 84.2 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#15

Acetone

Concen: 0.06 ppbv

RT: 4.04 min Scan# 919

Delta R.T. 0.04 min

Lab File: VL031856.D

Acq: 12 Apr 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

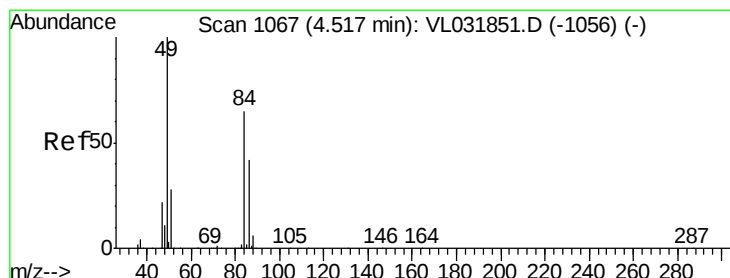
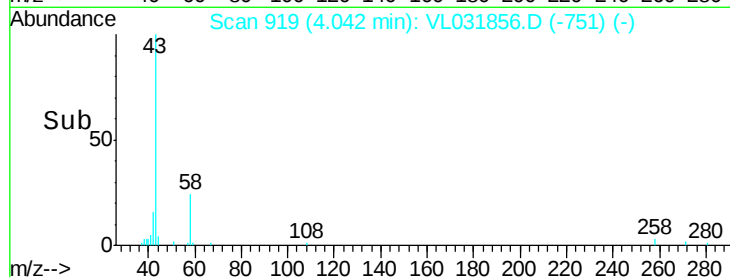
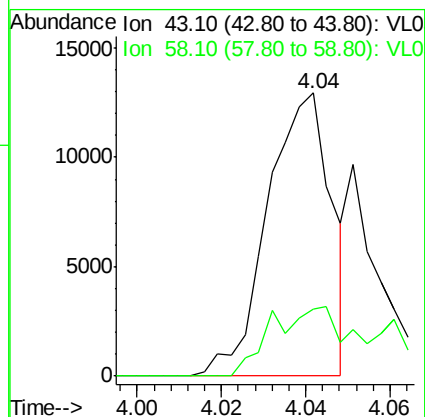
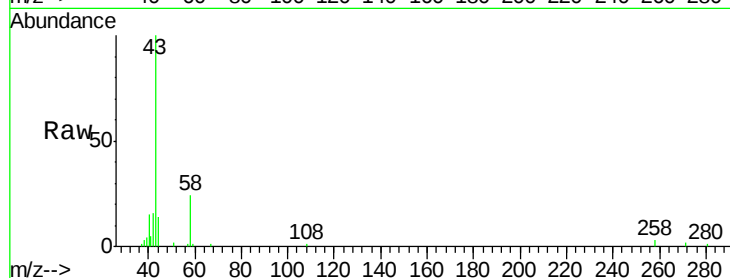
VSTDIC0.03

Tgt Ion: 43 Resp: 13582

Ion Ratio Lower Upper

43 100

58 40.3 20.7 31.1#



#20

Methylene Chloride

Concen: 0.12 ppbv

RT: 4.52 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VL031856.D

Acq: 12 Apr 2018 3:26

Tgt Ion: 84 Resp: 8757

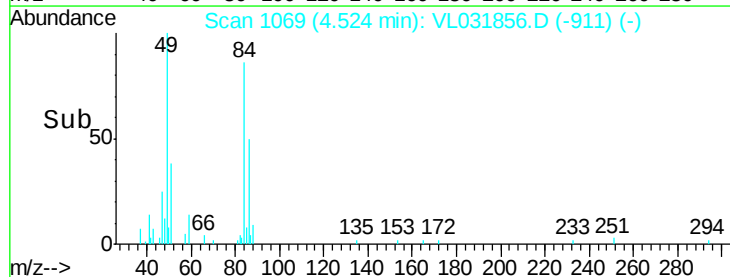
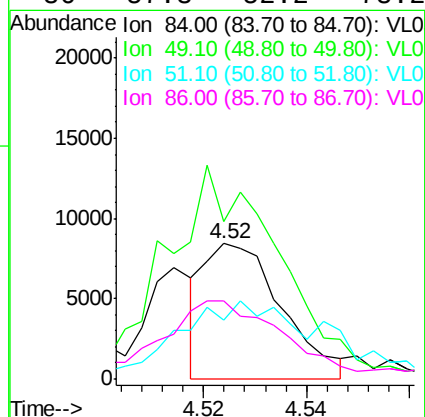
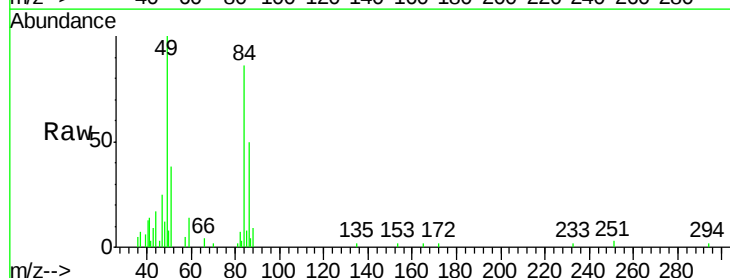
Ion Ratio Lower Upper

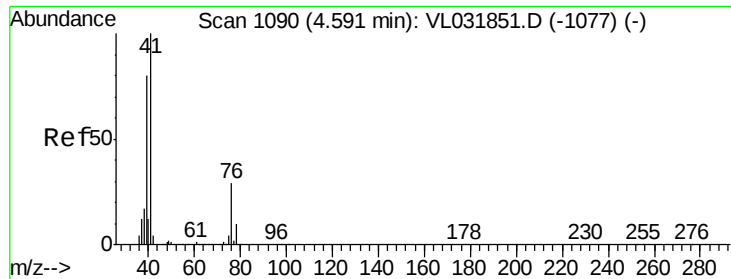
84 100

49 101.3 123.3 184.9#

51 9.6 35.0 52.6#

86 57.3 52.2 78.2

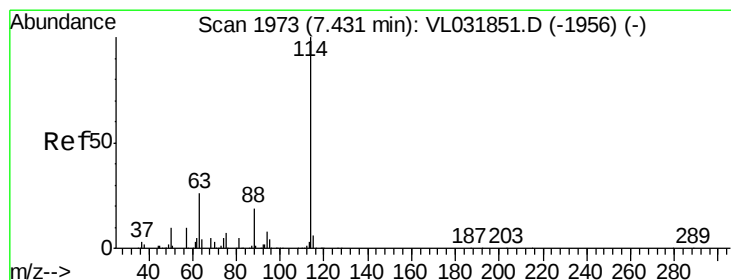
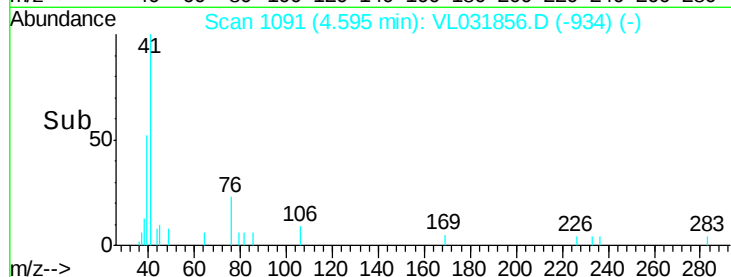
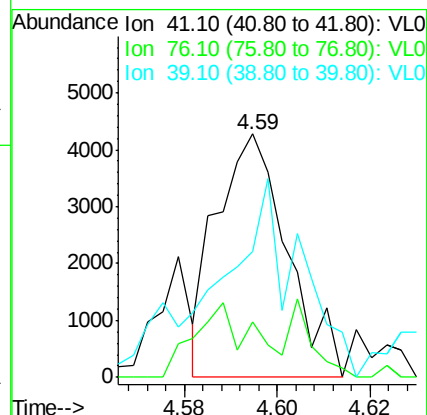
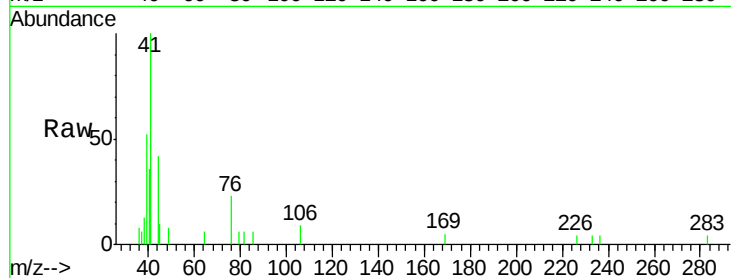




#21
 Allyl Chloride
 Concen: 0.04 ppbv
 RT: 4.59 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VL031856.D
 Acq: 12 Apr 2018 3:26

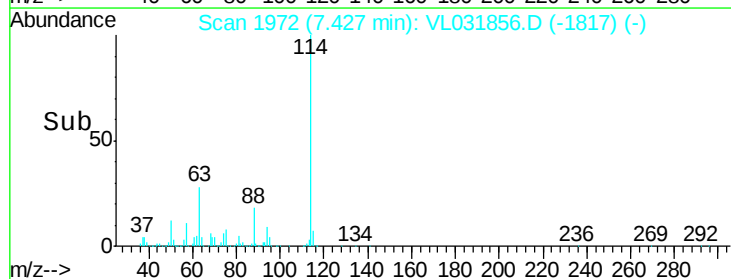
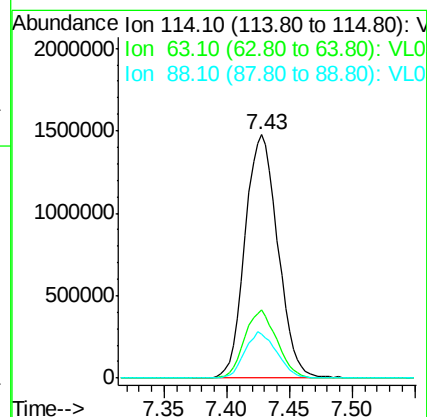
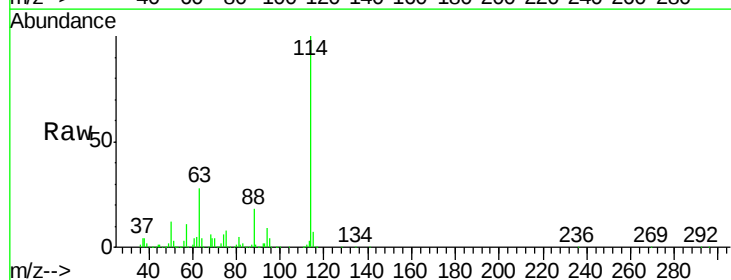
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

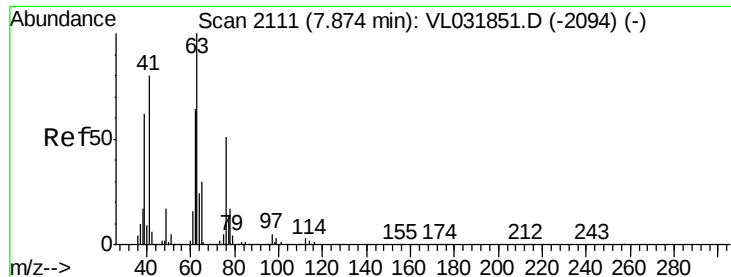
Tgt Ion: 41 Resp: 4519
 Ion Ratio Lower Upper
 41 100
 76 36.5 23.4 35.0#
 39 122.7 65.4 98.2#



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VL031856.D
 Acq: 12 Apr 2018 3:26

Tgt Ion: 114 Resp: 2693020
 Ion Ratio Lower Upper
 114 100
 63 27.8 21.4 32.2
 88 18.5 14.7 22.1

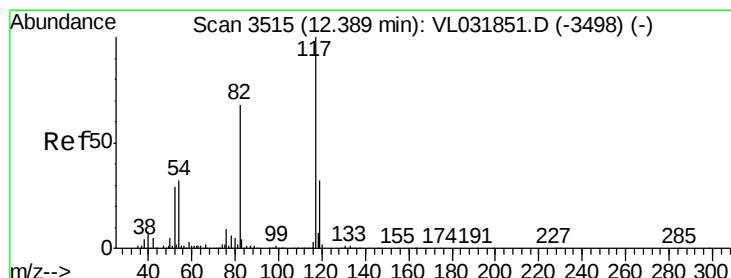
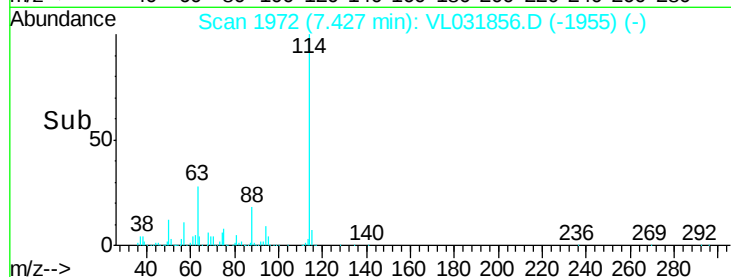
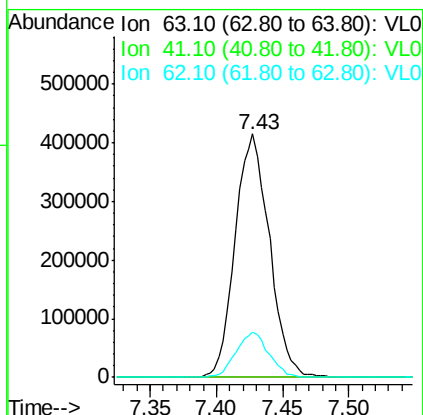
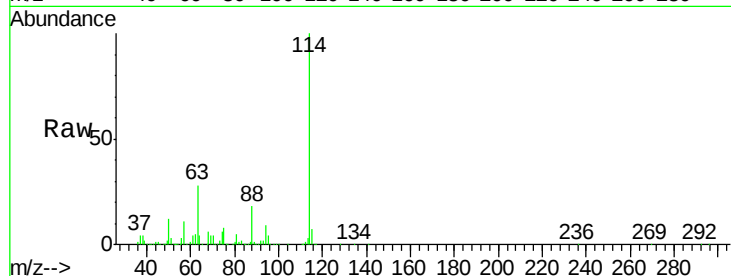




#39
 1,2-Dichloropropane
 Concen: 8.12 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.45 min
 Lab File: VL031856.D
 Acq: 12 Apr 2018 3:26

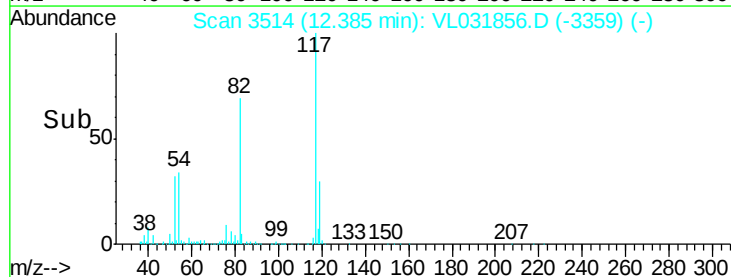
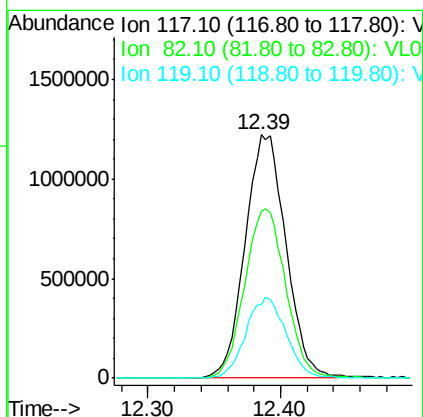
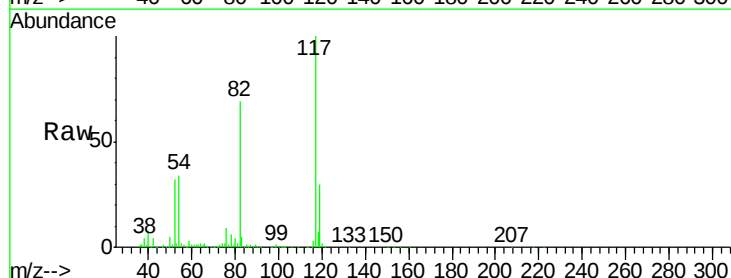
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

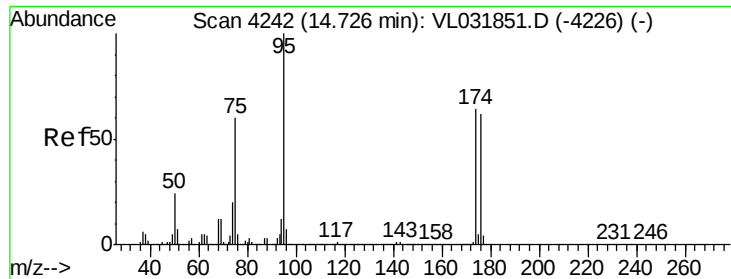
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.1	96.1#
62	18.4	51.5	77.3#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.39 min Scan# 3514
 Delta R.T. -0.00 min
 Lab File: VL031856.D
 Acq: 12 Apr 2018 3:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.3	52.9	79.3
119	32.9	43.8	65.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.89 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. 0.00 min

Lab File: VL031856.D

Acq: 12 Apr 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 95 Resp: 2139338

Ion Ratio Lower Upper

95 100

174 65.5 52.2 78.2

175 4.7 3.8 5.8

