

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032282.D
 Acq On : 19 Jul 2018 5:05
 Operator : SY/AP
 Sample : J3454-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-10DL

Quant Time: Jul 19 07:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1637801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3404872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3978569	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3053825	9.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

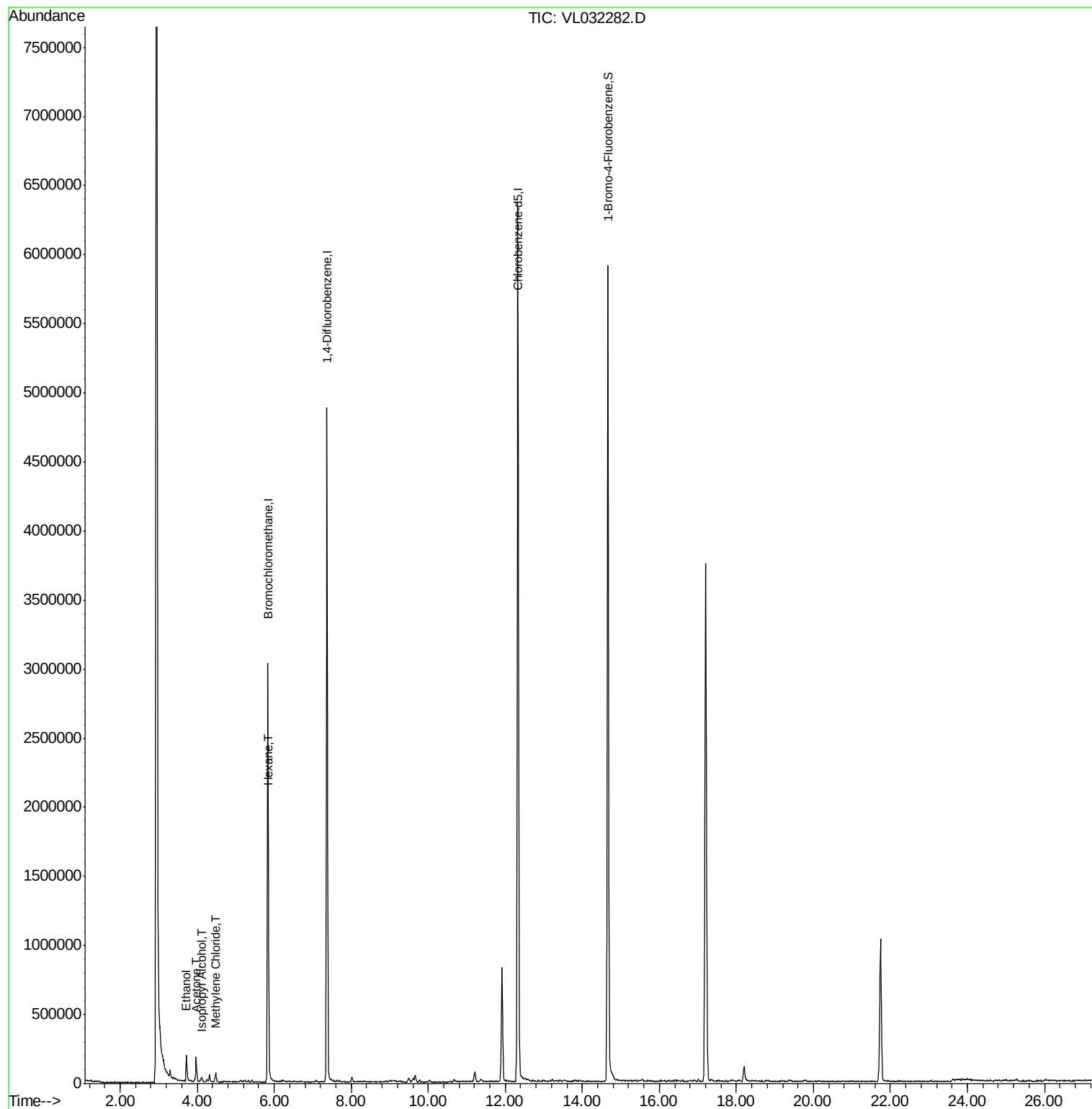
Target Compounds						Ovalue
13) Ethanol	3.72	45	187998	8.19	ppbv	100
15) Acetone	3.97	43	178865	1.04	ppbv	99
19) Isopropyl Alcohol	4.12	45	31943	0.28	ppbv #	80
20) Methylene Chloride	4.48	84	19780	0.30	ppbv	91
26) Hexane	5.86	57	20577	0.12	ppbv #	54

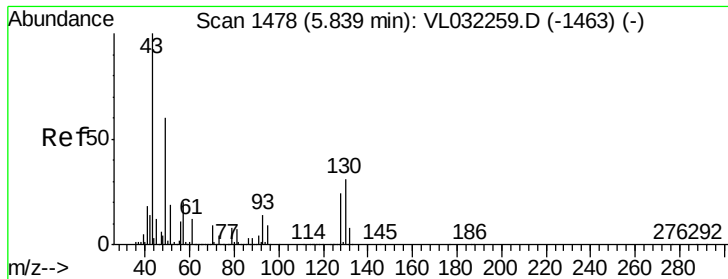
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032282.D

Acq: 19 Jul 2018 5:05

Instrument :

MSVOA_L

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B-10DL

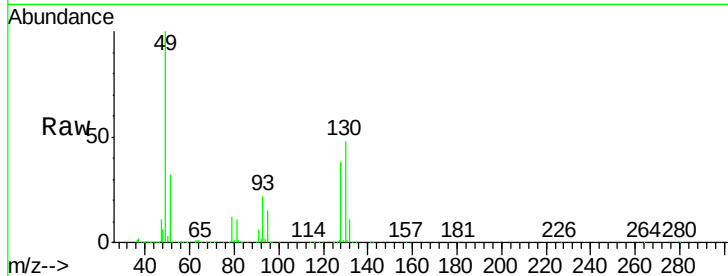
Tot Ion: 49 Resp: 1637801

Ion Ratio Lower Upper

49 100

128 40.0 20.1 60.2

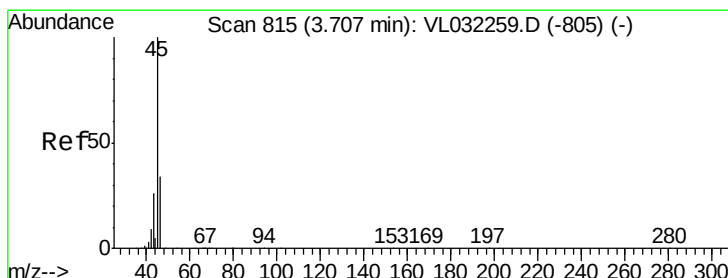
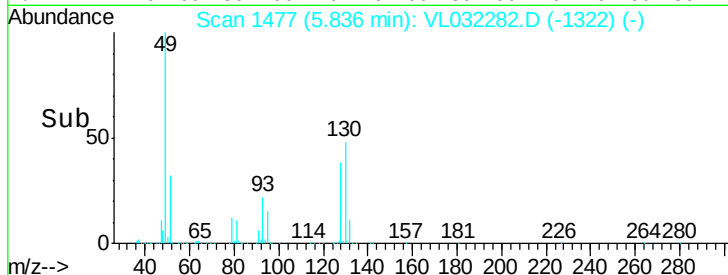
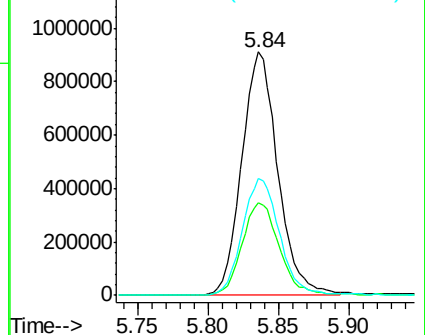
130 49.9 25.9 77.6



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



#13

Ethanol

Concen: 8.19 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.01 min

Lab File: VL032282.D

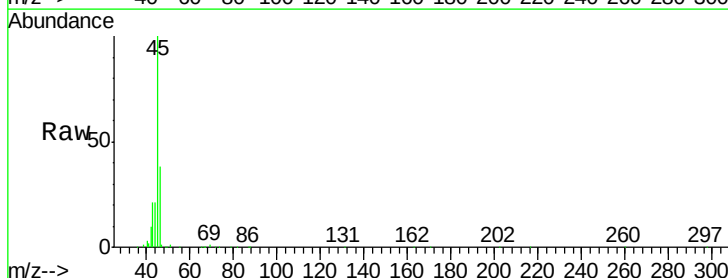
Acq: 19 Jul 2018 5:05

Tgt Ion: 45 Resp: 187998

Ion Ratio Lower Upper

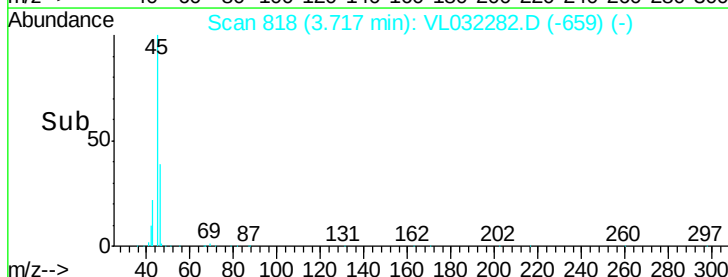
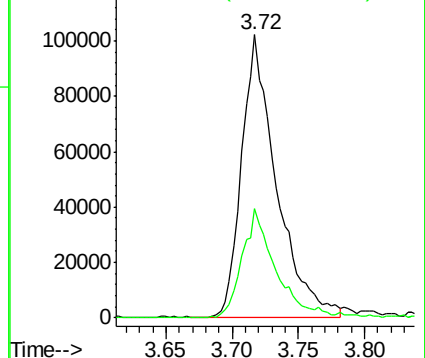
45 100

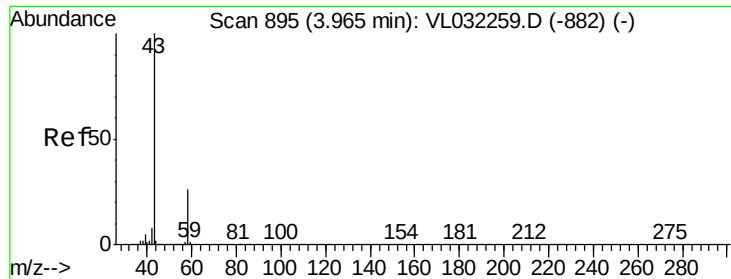
46 37.9 15.2 60.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.04 ppbv

RT: 3.97 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL032282.D

Acq: 19 Jul 2018 5:05

Instrument :

MSVOA_L

ClientSampleId :

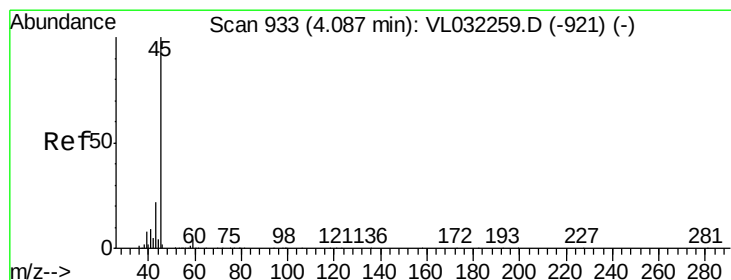
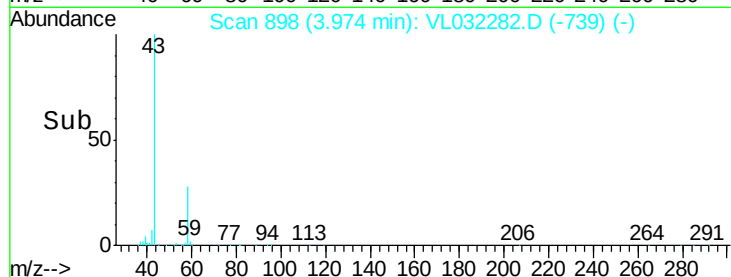
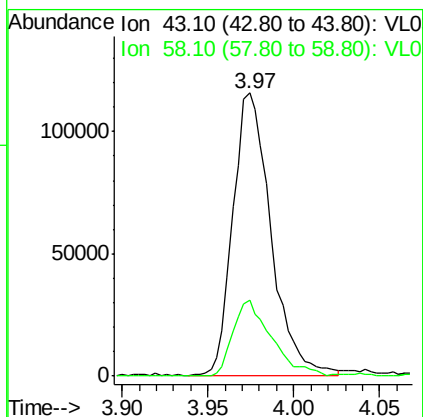
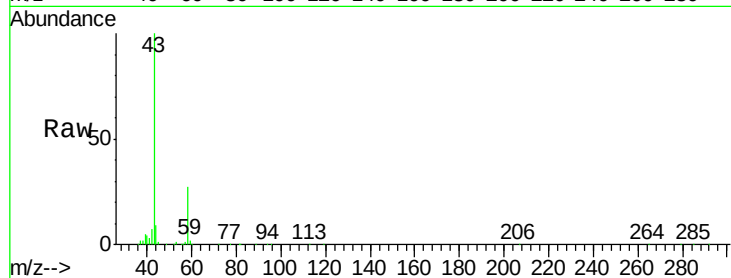
B-10DL

Tot Ion: 43 Resp: 178865

Ion Ratio Lower Upper

43 100

58 27.7 21.8 32.6



#19

Isopropyl Alcohol

Concen: 0.28 ppbv

RT: 4.12 min Scan# 942

Delta R.T. 0.03 min

Lab File: VL032282.D

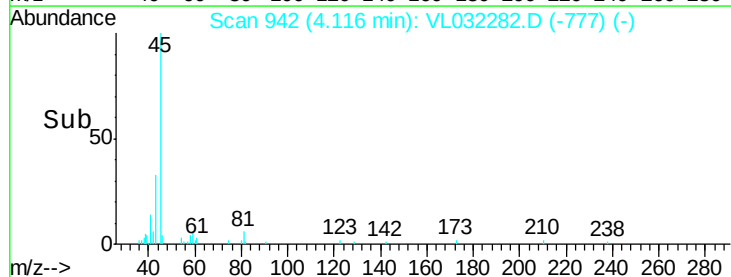
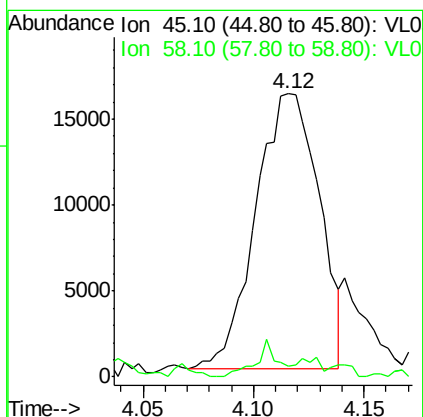
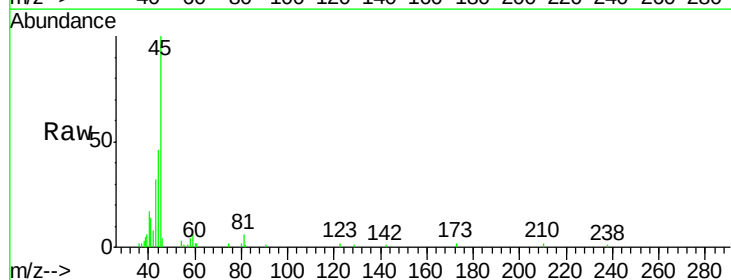
Acq: 19 Jul 2018 5:05

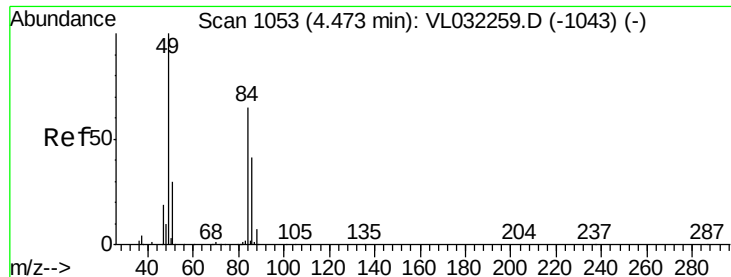
Tgt Ion: 45 Resp: 31943

Ion Ratio Lower Upper

45 100

58 9.2 1.5 2.3#

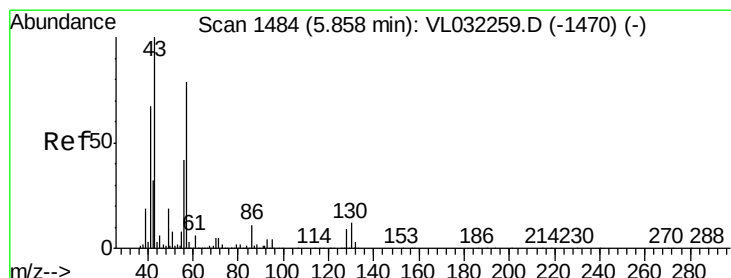
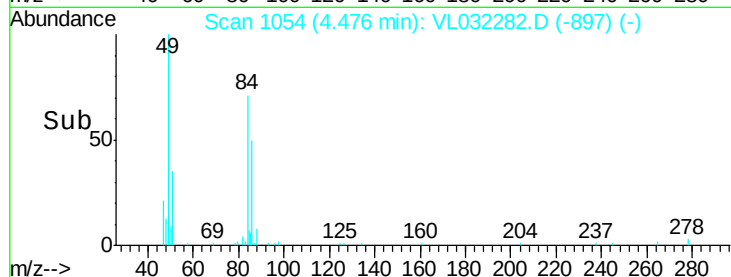
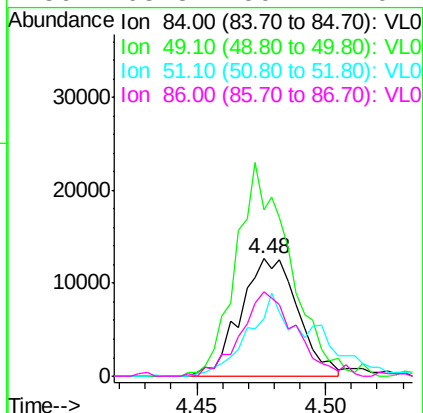
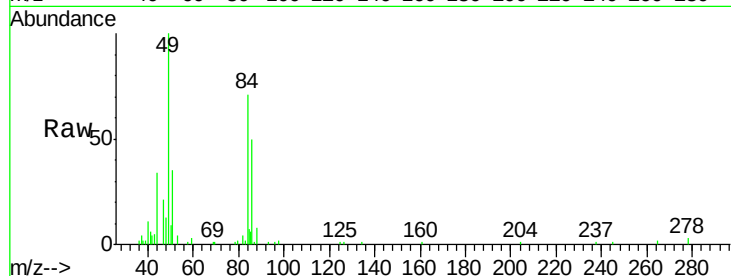




#20
Methvlene Chloride
Concen: 0.30 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VL032282.D
Acq: 19 Jul 2018 5:05

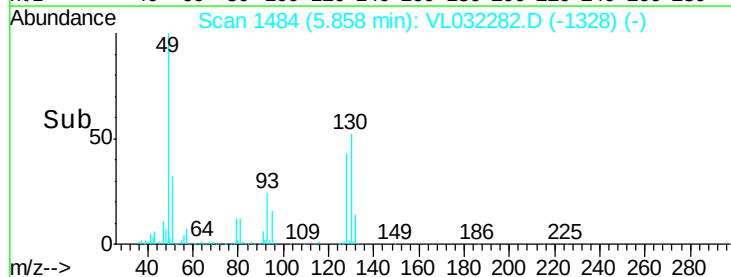
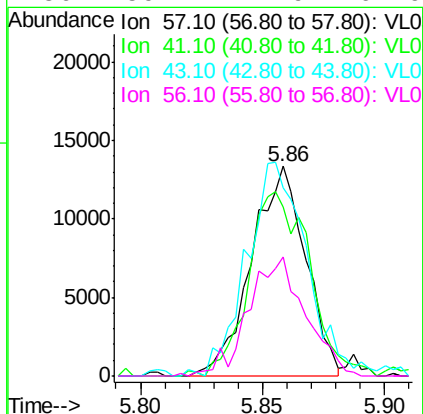
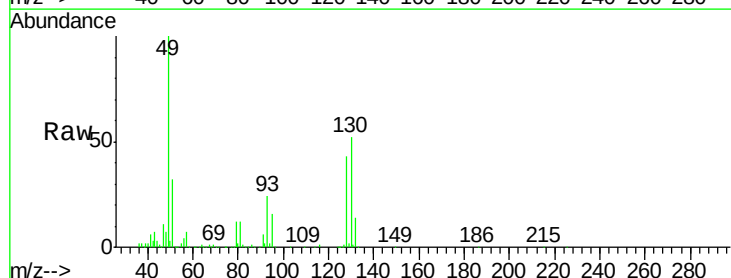
Instrument :
MSVOA_L
ClientSampleId :
B-10DL

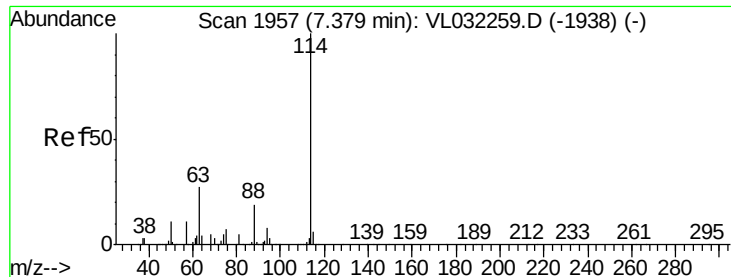
Tot Ion:	84	Resp:	19780
Ion	Ratio	Lower	Upper
84	100		
49	137.9	122.4	183.6
51	49.1	36.8	55.2
86	68.8	50.7	76.1



#26
Hexane
Concen: 0.12 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032282.D
Acq: 19 Jul 2018 5:05

Tgt Ion:	57	Resp:	20577
Ion	Ratio	Lower	Upper
57	100		
41	101.6	67.9	101.9
43	115.7	175.9	263.9#
56	59.7	41.9	62.9

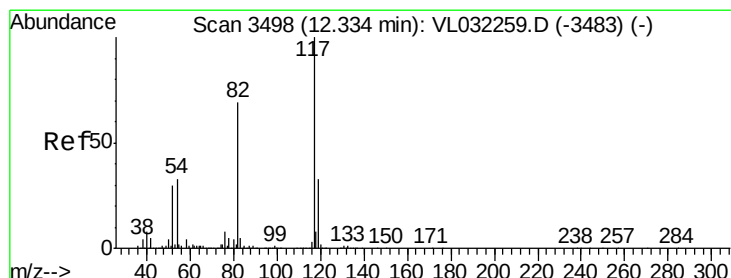
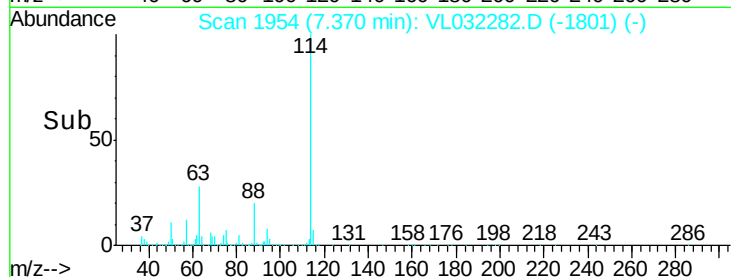
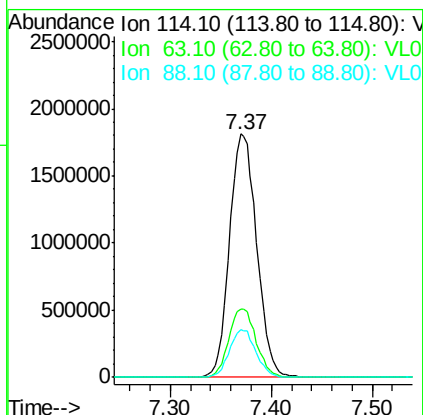
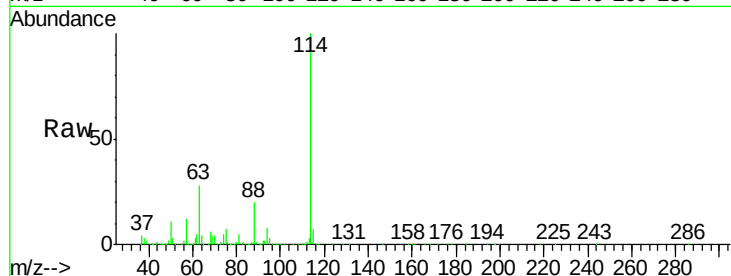




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032282.D
 Acq: 19 Jul 2018 5:05

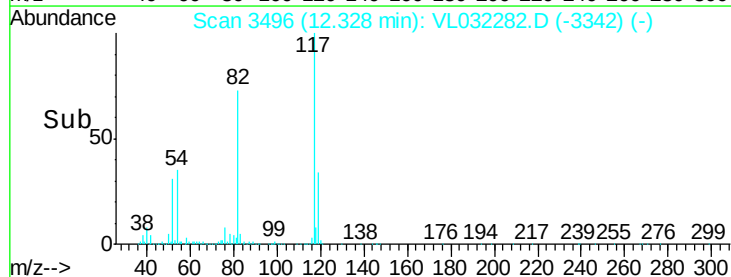
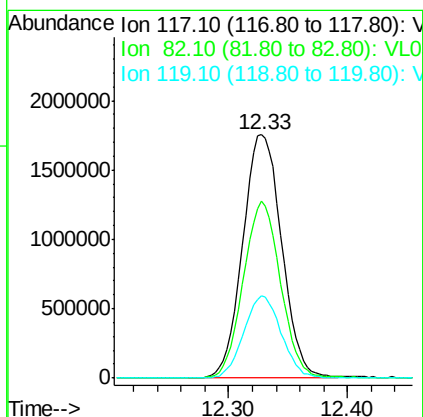
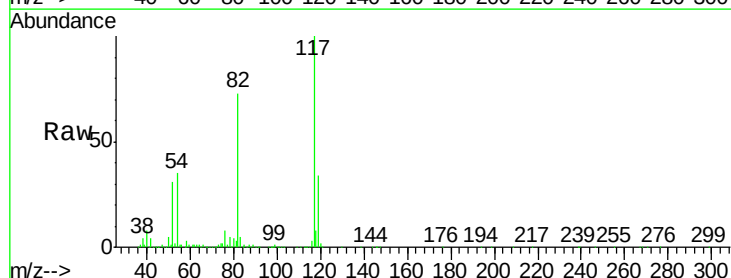
Instrument :
 MSVOA_L
 ClientSampleId :
 B-10DL

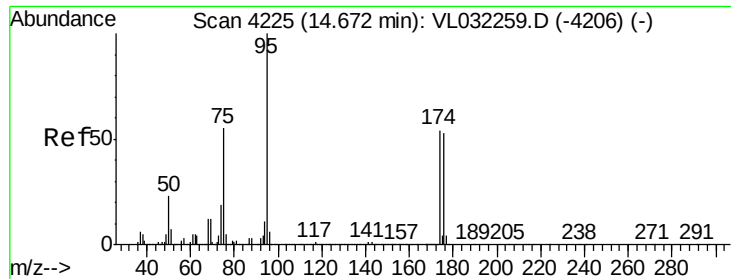
Tot Ion:114 Resp: 3404872
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.6 33.8
 88 19.3 15.2 22.8



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.33 min Scan# 3496
 Delta R.T. -0.01 min
 Lab File: VL032282.D
 Acq: 19 Jul 2018 5:05

Tgt Ion:117 Resp: 3978569
 Ion Ratio Lower Upper
 117 100
 82 70.1 53.9 80.9
 119 32.8 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.47 ppbv

RT: 14.66 min Scan# 4222

Delta R.T. -0.01 min

Lab File: VL032282.D

Acq: 19 Jul 2018 5:05

Instrument :

MSVOA_L

ClientSampleId :

B-10DL

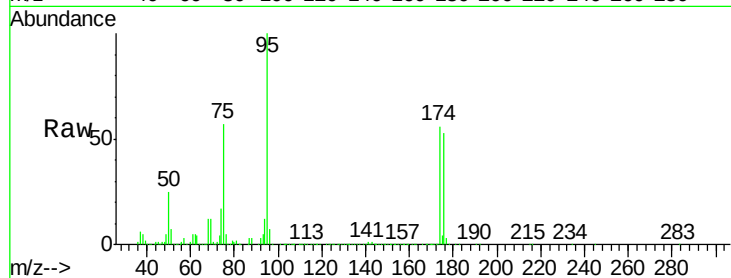
Tot Ion: 95 Resp: 3053825

Ion Ratio Lower Upper

95 100

174 56.9 44.3 66.5

175 4.0 3.3 4.9



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

