

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032219.D
 Acq On : 6 Jul 2018 1:15
 Operator : SY/AP
 Sample : J3762-13 0.3 PPB LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Quant Time: Jul 06 04:31:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1550741	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3929940	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3755886	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2925208	10.19	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

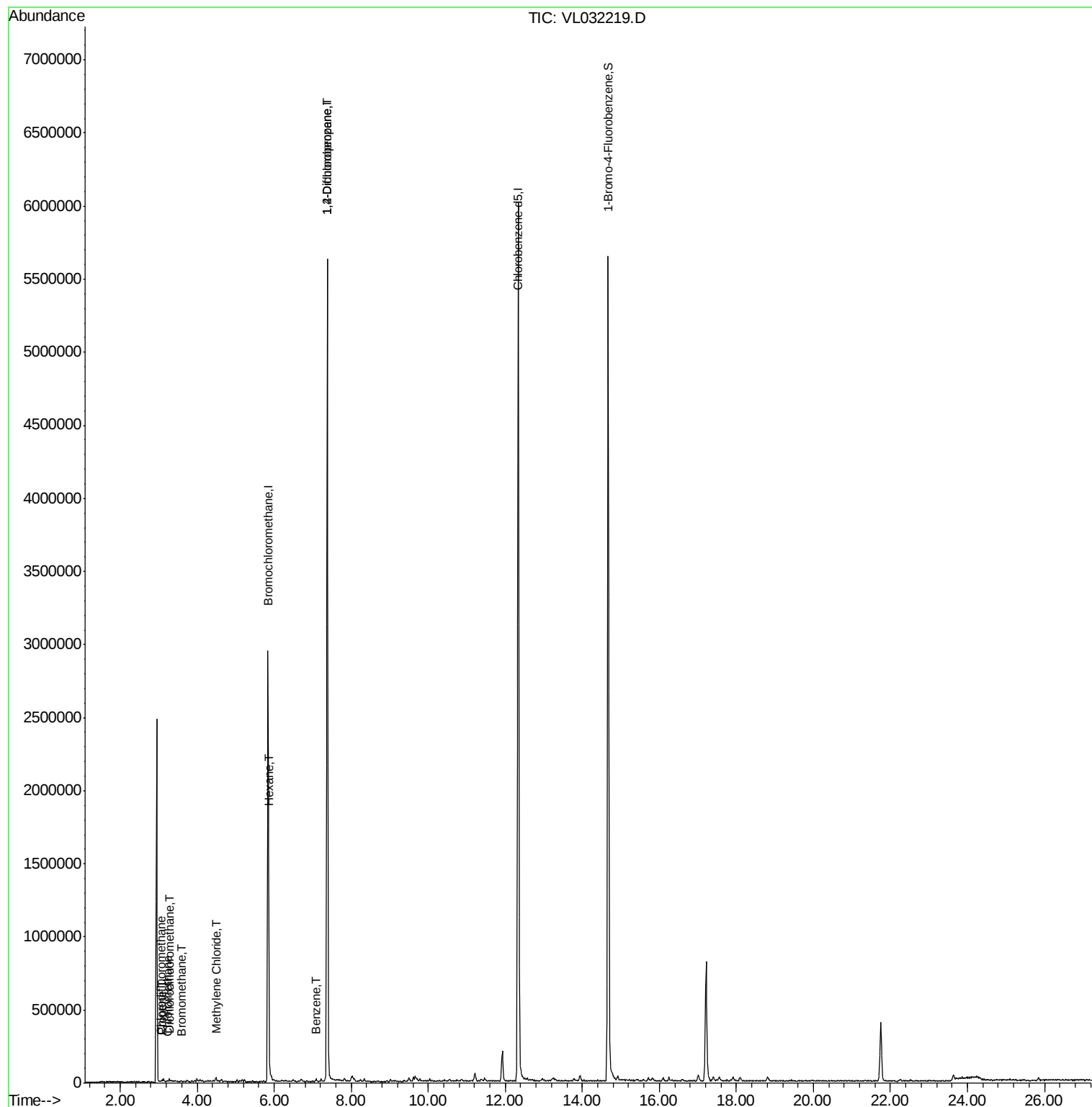
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.28	85	6183	0.030	ppbv	98
3) Chlorodifluoromethane	3.07	51	6580	0.035	ppbv #	88
4) Chloromethane	3.23	50	4646	0.046	ppbv	93
6) Bromomethane	3.58	94	1751	0.030	ppbv #	63
9) Propene	3.10	41	4799	0.054	ppbv	86
20) Methylene Chloride	4.49	84	6616	0.100	ppbv #	89
26) Hexane	5.86	57	5807	0.034	ppbv #	84
36) Benzene	7.09	78	11932	0.031	ppbv #	84
39) 1,2-Dichloropropane	7.38	63	1121575	7.476	ppbv #	27

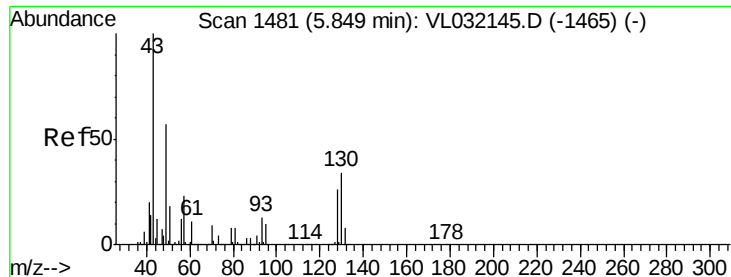
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
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Response via : Initial Calibration

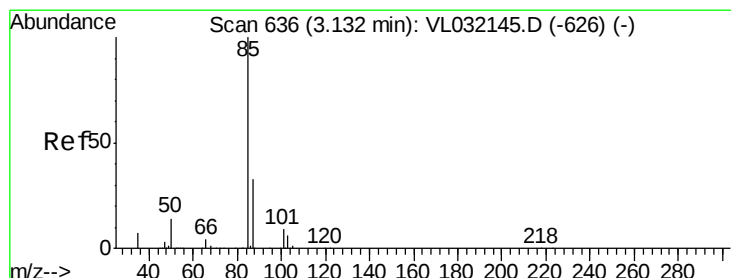
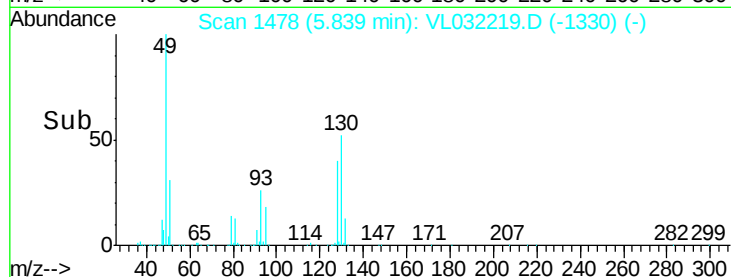
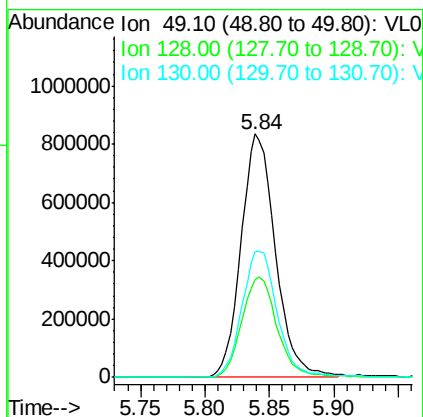
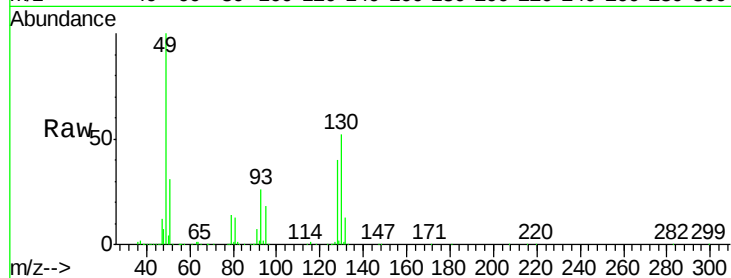




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1478
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

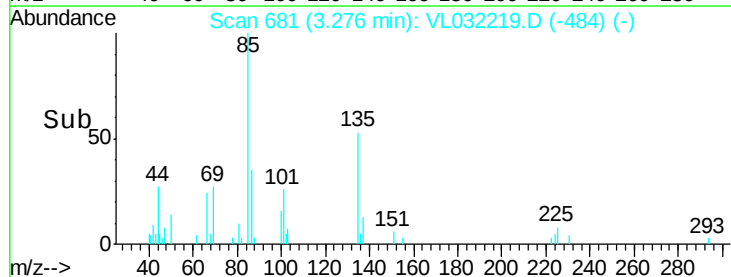
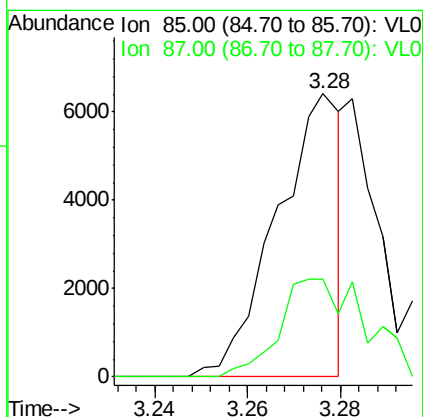
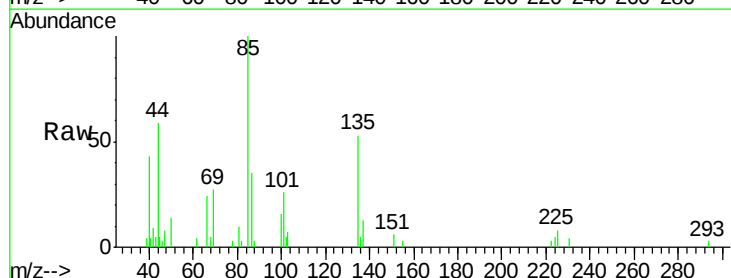
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

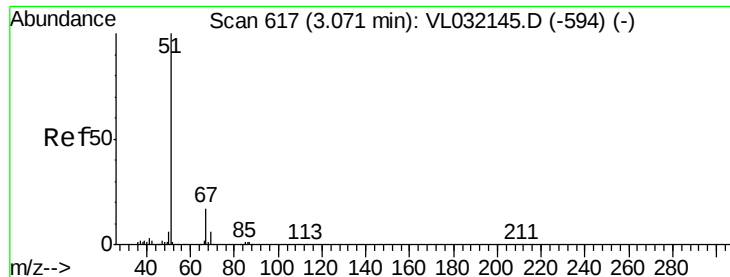
Tgt Ion: 49 Resp: 1550741
 Ion Ratio Lower Upper
 49 100
 128 42.7 23.4 70.0
 130 54.1 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.030 ppbv
 RT: 3.28 min Scan# 681
 Delta R.T. 0.13 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Tgt Ion: 85 Resp: 6183
 Ion Ratio Lower Upper
 85 100
 87 34.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Instrument :

MSVOA_L

ClientSampleId :

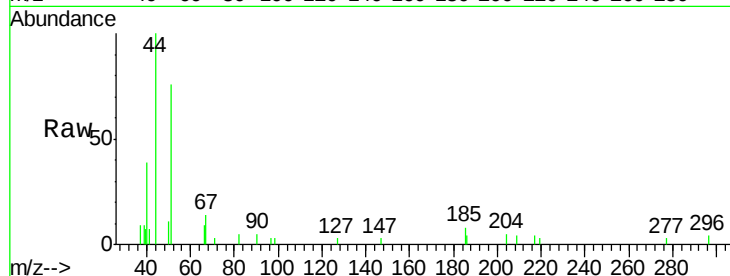
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 51 Resp: 6580

Ion Ratio Lower Upper

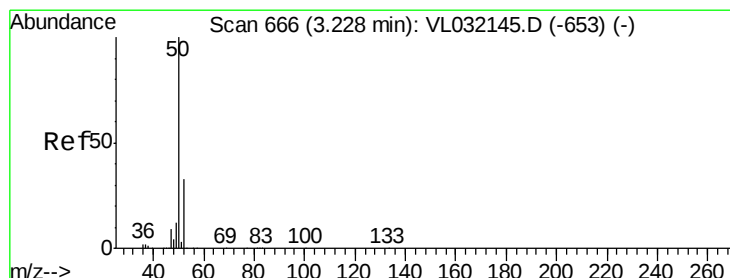
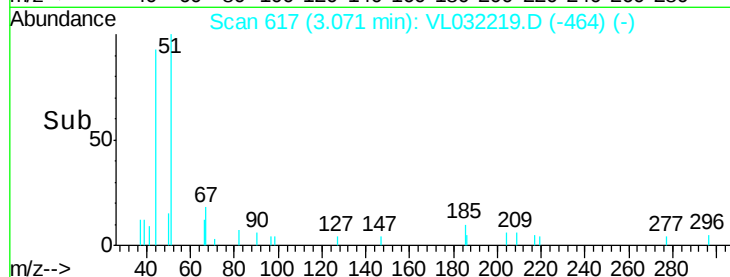
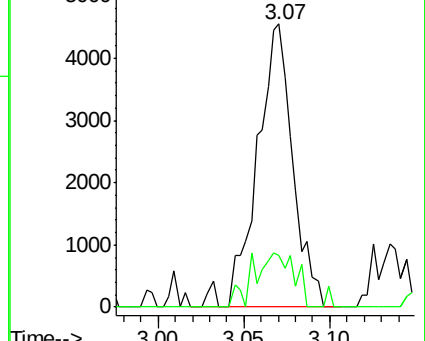
51 100

67 21.8 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.046 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032219.D

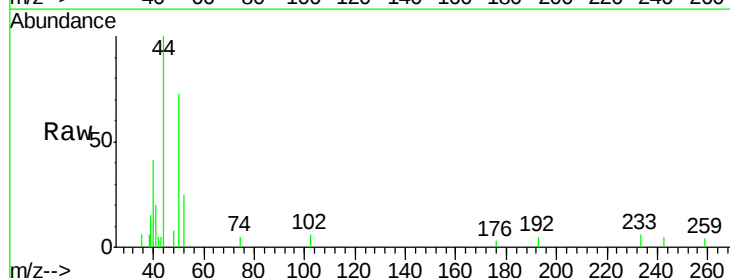
Acq: 6 Jul 2018 1:15

Tgt Ion: 50 Resp: 4646

Ion Ratio Lower Upper

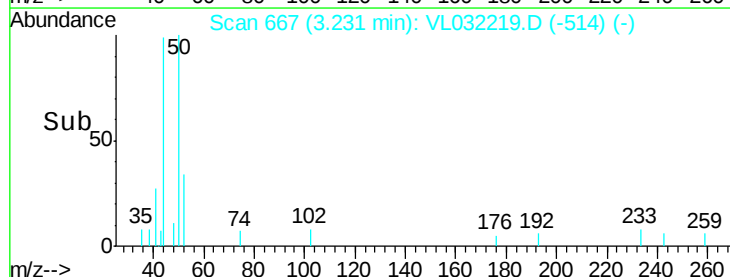
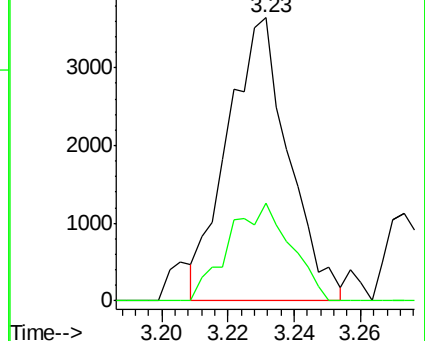
50 100

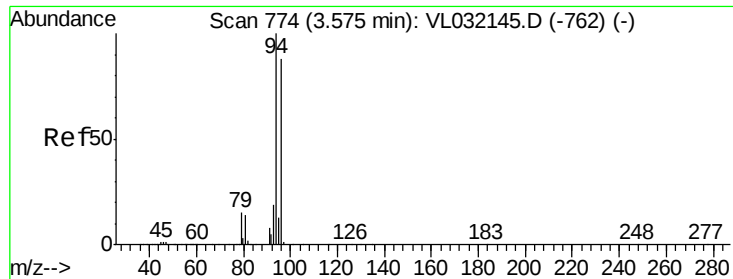
52 36.2 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.030 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Instrument :

MSVOA_L

ClientSampleId :

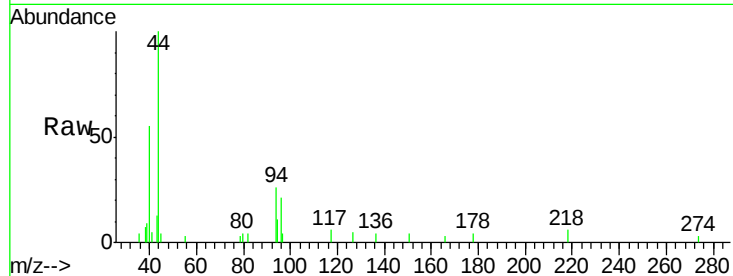
LOD-MDL-AIR-01-QT3-2018

Tgt Ion: 94 Resp: 1751

Ion Ratio Lower Upper

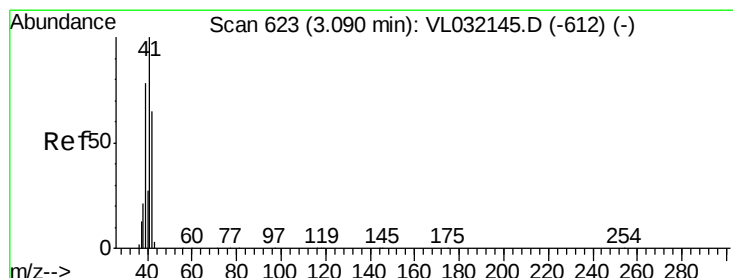
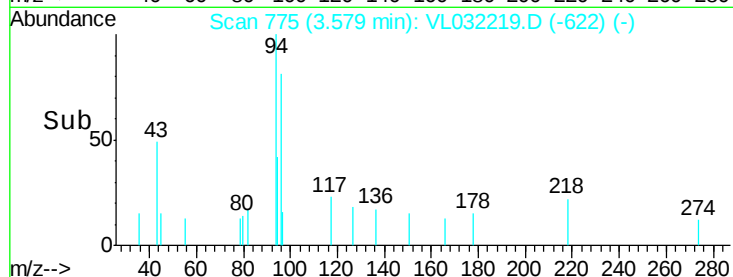
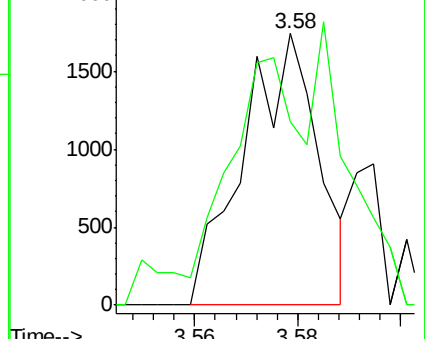
94 100

96 57.8 74.7 112.1#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#9

Propene

Concen: 0.054 ppbv

RT: 3.10 min Scan# 625

Delta R.T. -0.00 min

Lab File: VL032219.D

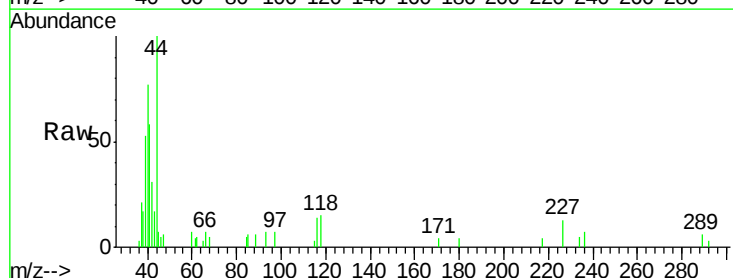
Acq: 6 Jul 2018 1:15

Tgt Ion: 41 Resp: 4799

Ion Ratio Lower Upper

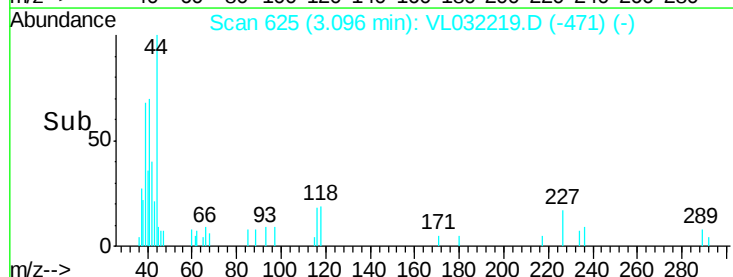
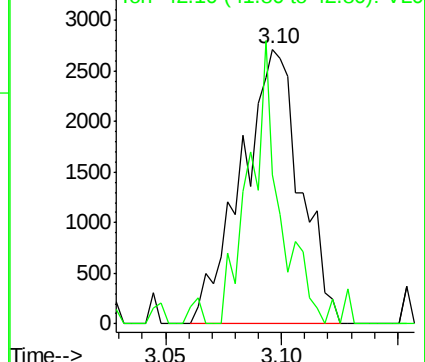
41 100

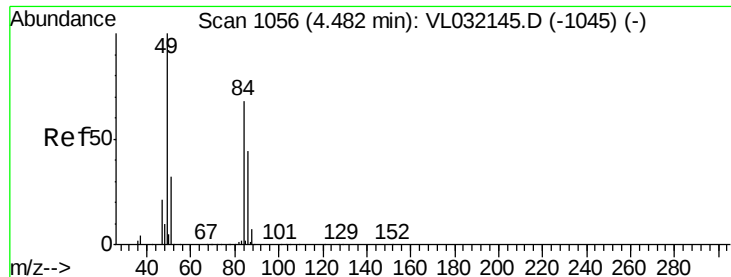
42 58.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

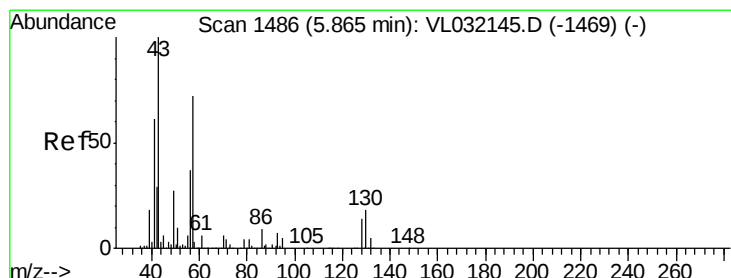
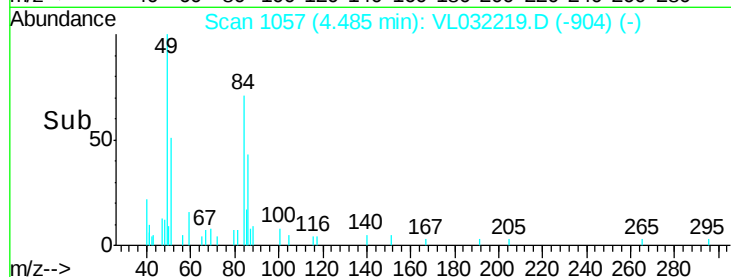
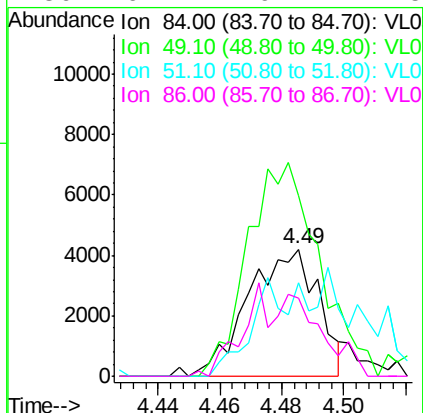
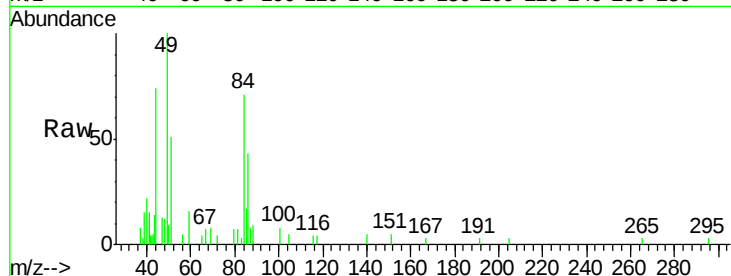




#20
Methylene Chloride
Concen: 0.100 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VL032219.D
Acq: 6 Jul 2018 1:15

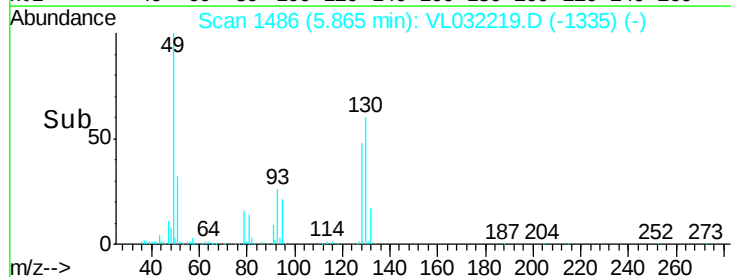
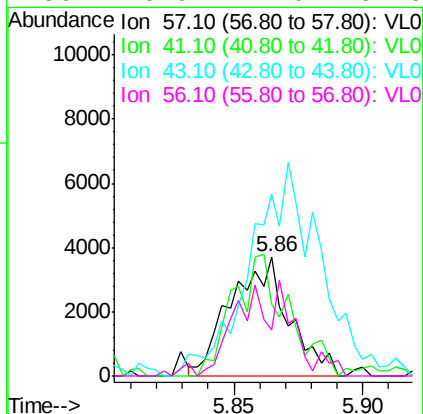
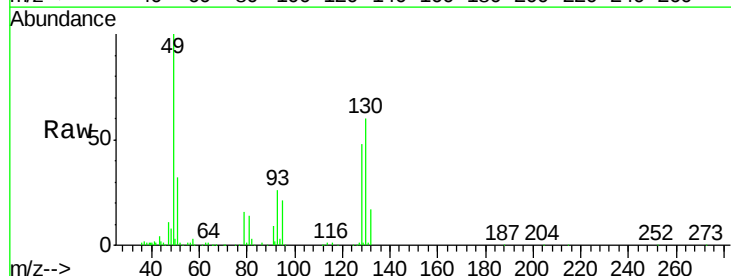
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

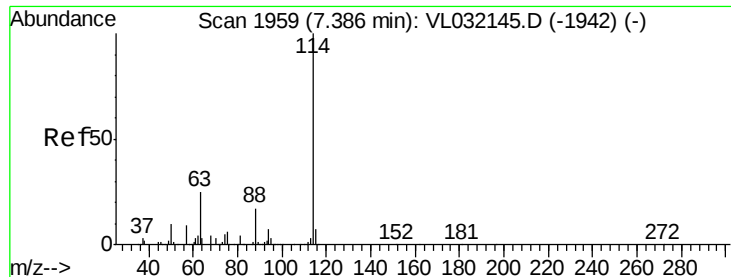
Tgt Ion: 84 Resp: 6616
Ion Ratio Lower Upper
84 100
49 141.7 119.6 179.4
51 72.9 36.3 54.5#
86 61.1 49.7 74.5



#26
Hexane
Concen: 0.034 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032219.D
Acq: 6 Jul 2018 1:15

Tgt Ion: 57 Resp: 5807
Ion Ratio Lower Upper
57 100
41 103.4 68.6 103.0#
43 224.7 168.6 252.8
56 76.9 41.0 61.6#

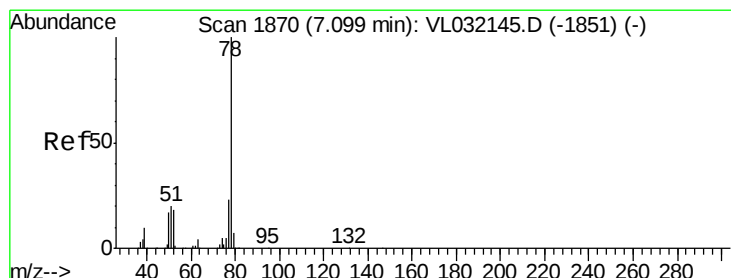
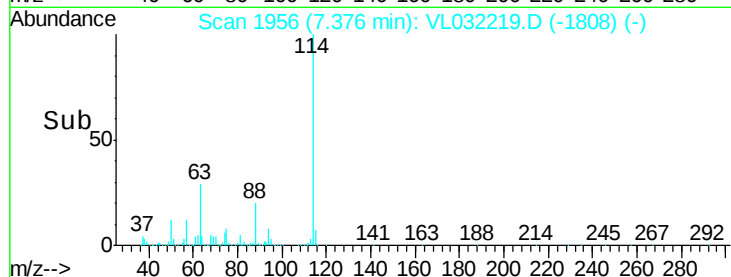
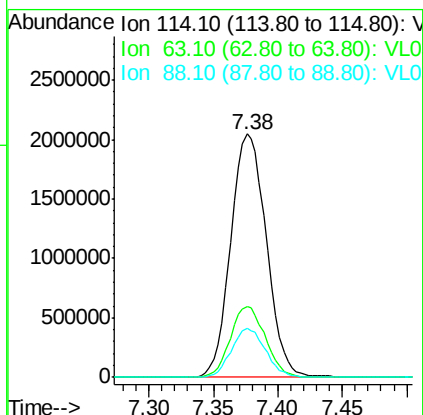
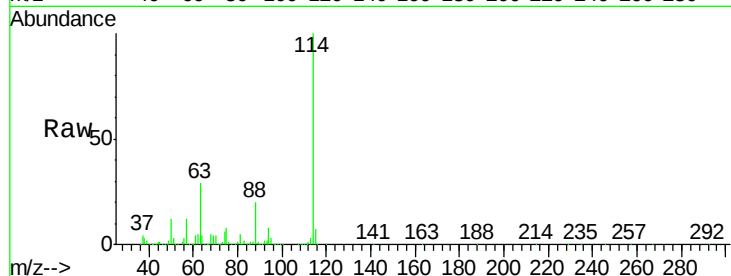




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

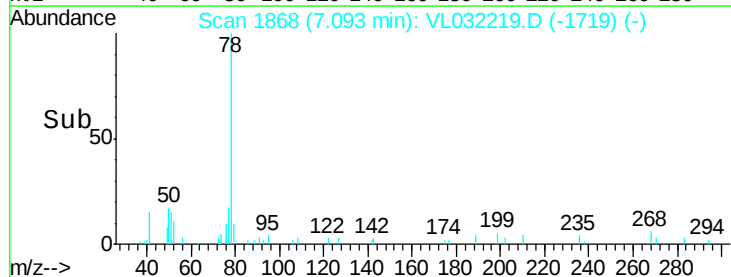
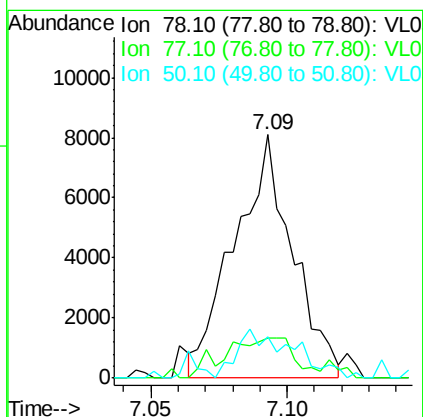
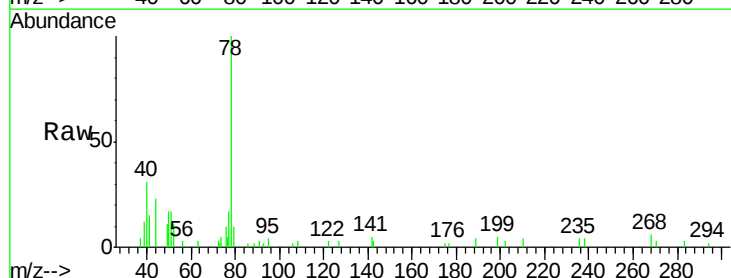
Instrument :
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 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

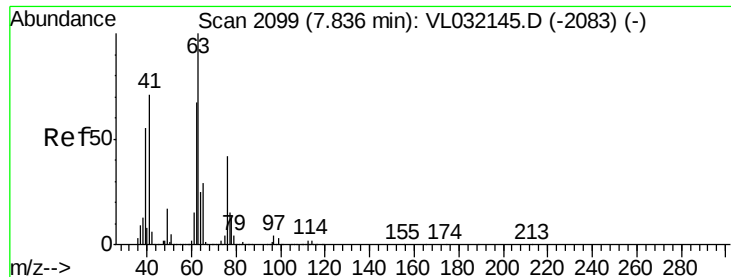
Tgt Ion:114 Resp: 3929940
 Ion Ratio Lower Upper
 114 100
 63 28.8 19.1 28.7#
 88 19.4 13.9 20.9



#36
 Benzene
 Concen: 0.031 ppbv
 RT: 7.09 min Scan# 1868
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Tgt Ion: 78 Resp: 11932
 Ion Ratio Lower Upper
 78 100
 77 13.9 17.7 26.5#
 50 11.0 14.0 21.0#





#39

1,2-Dichloropropane

Concen: 7.476 ppbv

RT: 7.38 min Scan# 1956

Delta R.T. -0.47 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

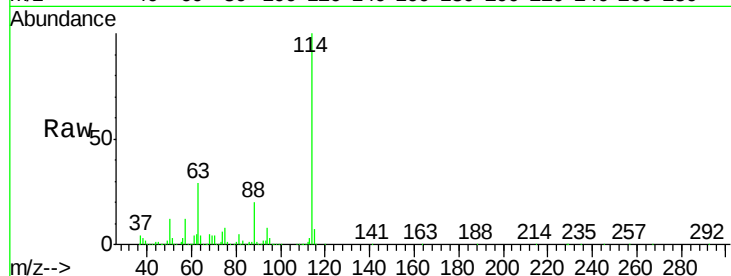
Tgt Ion: 63 Resp: 1121575

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

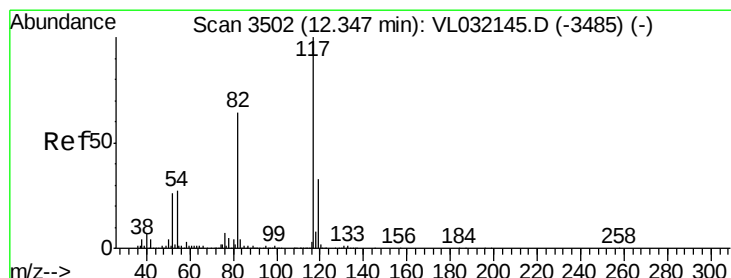
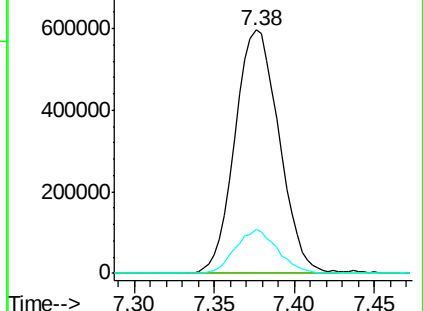
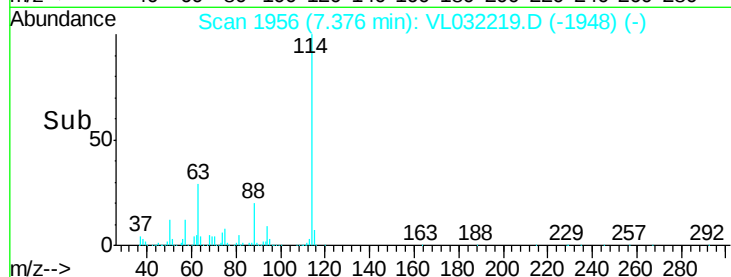
62 17.9 54.8 82.2#



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: 10.000 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

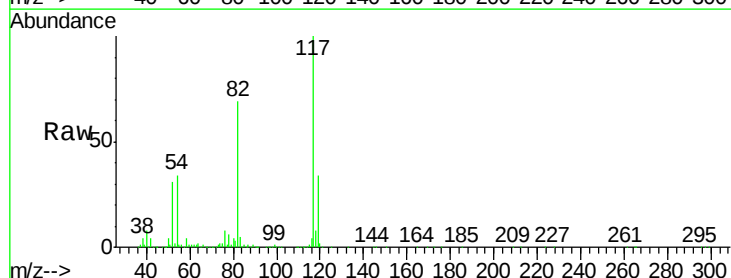
Tgt Ion: 117 Resp: 3755886

Ion Ratio Lower Upper

117 100

82 70.9 47.8 71.8

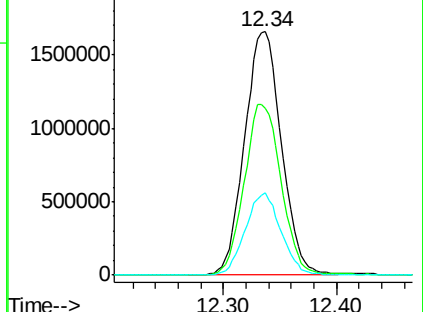
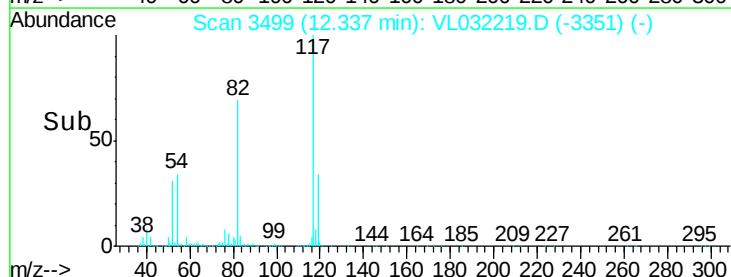
119 33.0 43.3 64.9#

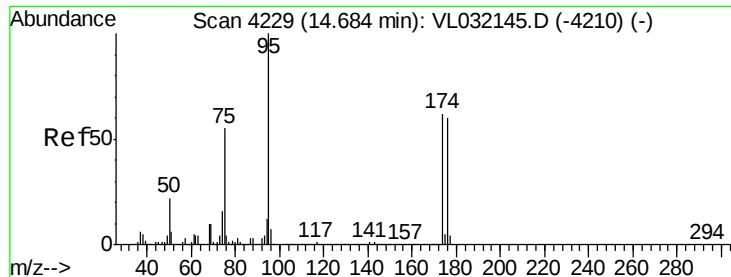


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.189 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.03 min

Lab File: VL032219.D

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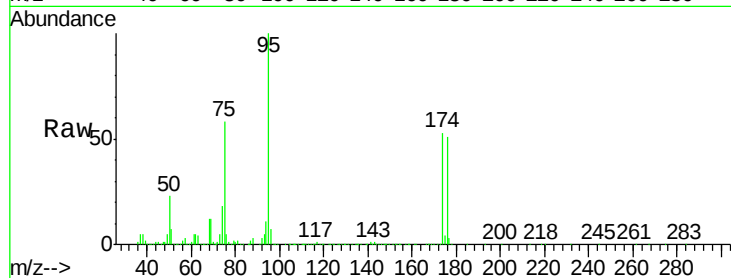
Tgt Ion: 95 Resp: 2925208

Ion Ratio Lower Upper

95 100

174 55.1 52.1 78.1

175 4.0 4.0 6.0#



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

