

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
 Data File : VL036154.D
 Acq On : 11 Dec 2020 7:59
 Operator : SY/AP
 Sample : L5005-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 48-1DL2

Quant Time: Dec 11 10:53:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1263439	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2535315	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2272428	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1995022	11.06	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.60%

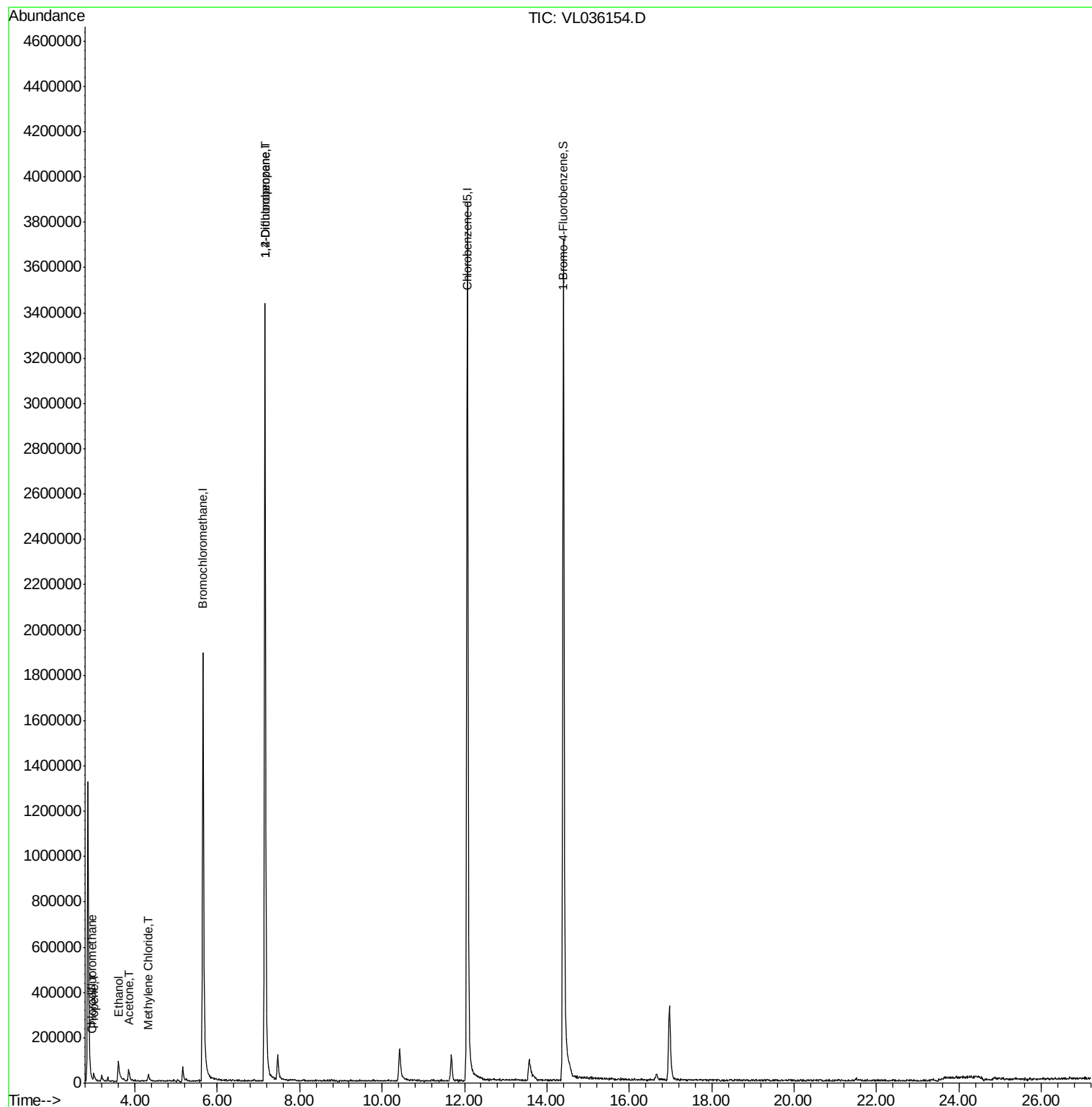
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	5048	0.035	ppbv #	85
9) Propene	3.00	41	9000	0.125	ppbv	94
13) Ethanol	3.60	45	107002	10.749	ppbv	94
15) Acetone	3.84	43	17660	0.116	ppbv #	49
20) Methylene Chloride	4.33	84	6024	0.097	ppbv #	69
39) 1,2-Dichloropropane	7.15	63	825521	9.729	ppbv #	25

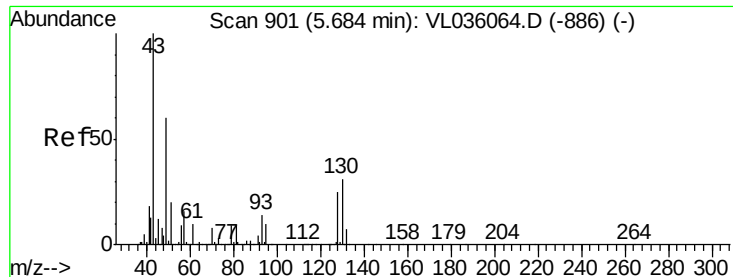
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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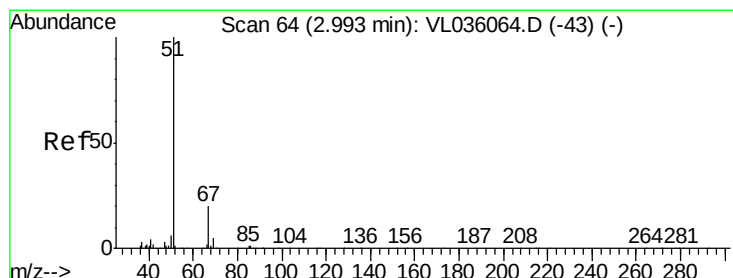
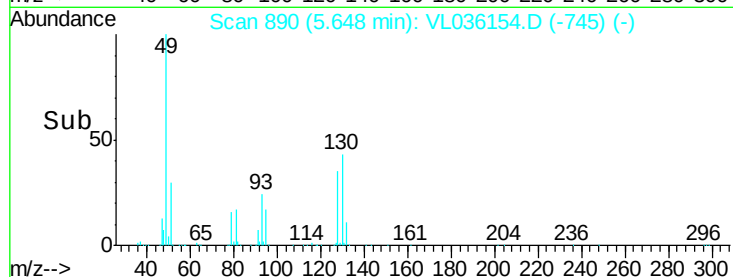
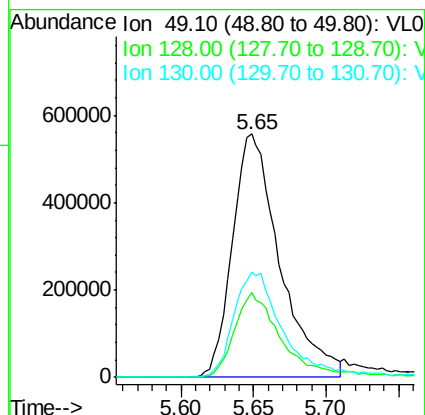
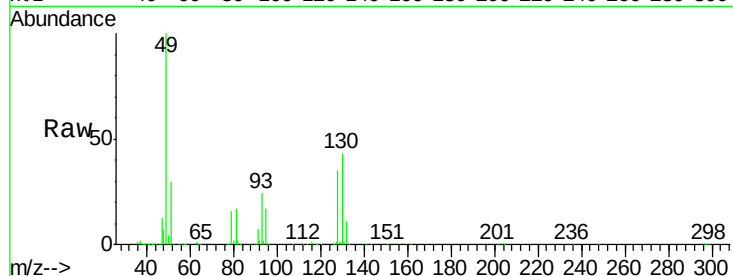




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

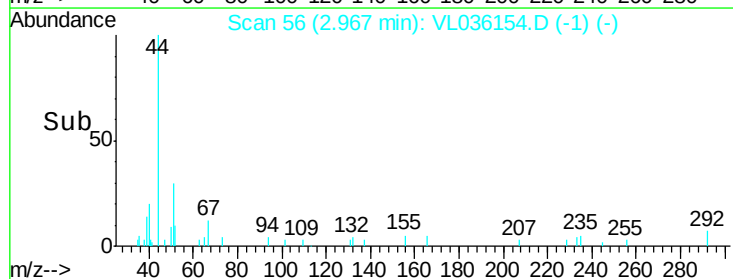
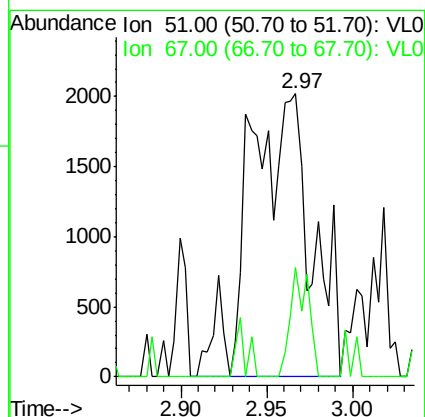
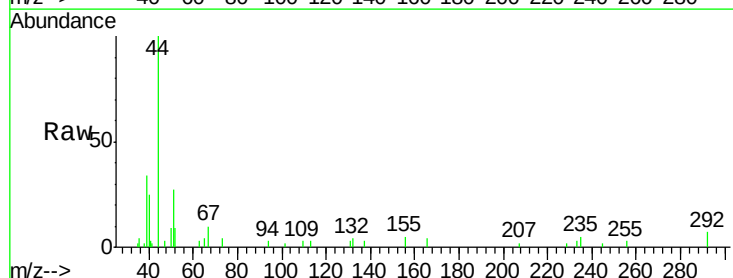
Instrument :
MSVOA_X
ClientSampleId :
48-1DL2

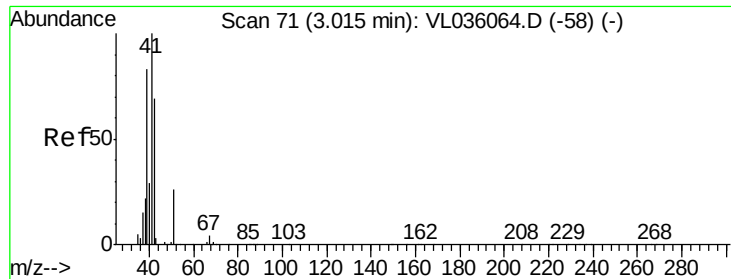
Tgt Ion: 49 Resp: 1263439
Ion Ratio Lower Upper
49 100
128 36.4 21.1 63.1
130 46.5 27.1 81.3



#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.03 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 51 Resp: 5048
Ion Ratio Lower Upper
51 100
67 11.3 14.3 21.5#





#9

Propene

Concen: 0.125 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Instrument :

MSVOA_X

ClientSampled :

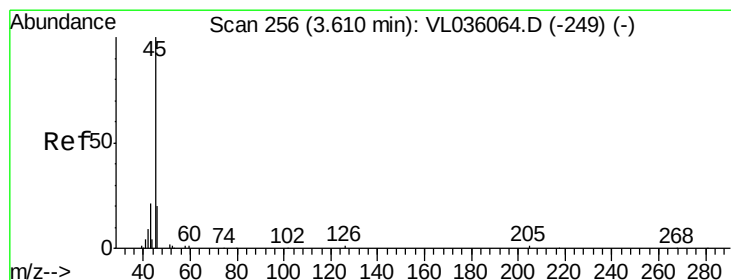
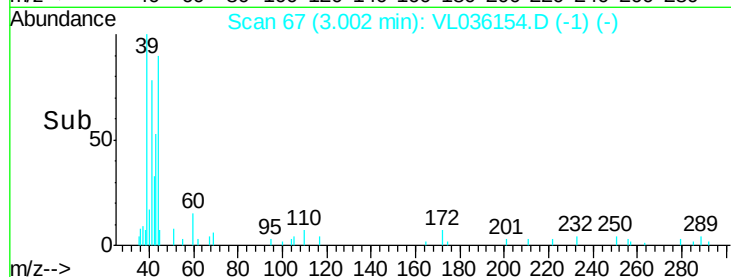
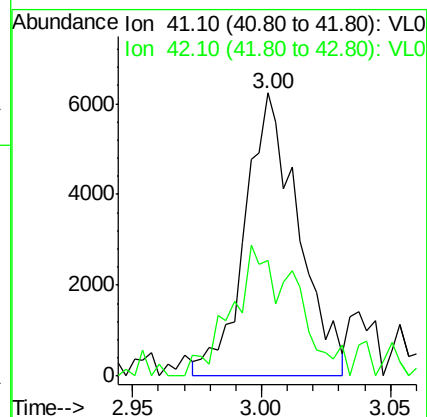
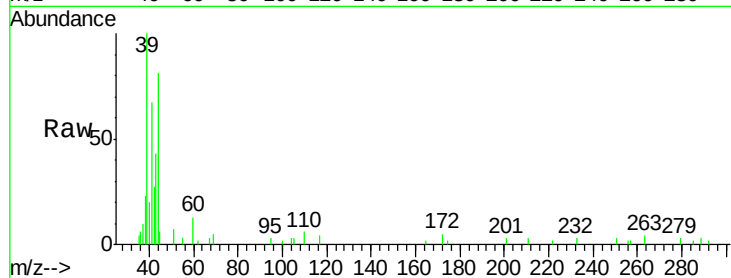
48-1DL2

Tgt Ion: 41 Resp: 9000

Ion Ratio Lower Upper

41 100

42 66.5 57.0 85.6



#13

Ethanol

Concen: 10.749 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036154.D

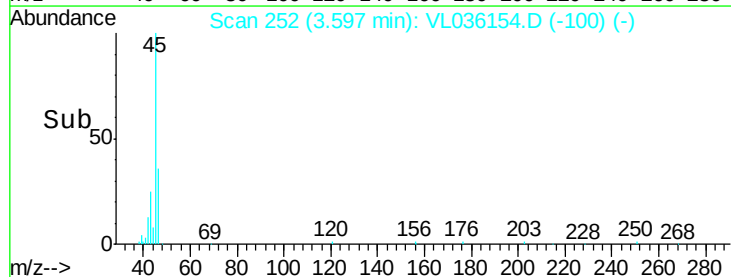
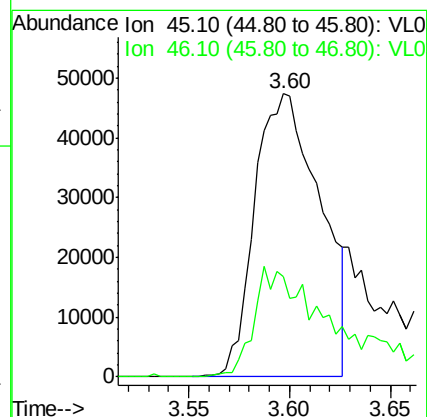
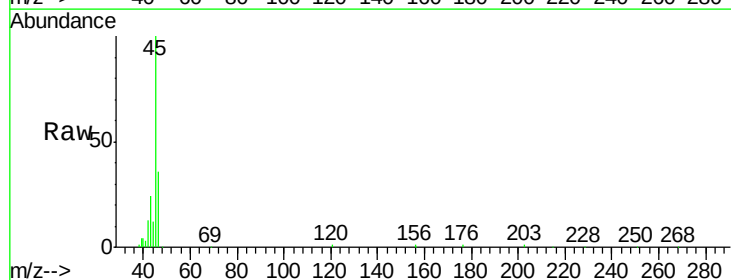
Acq: 11 Dec 2020 7:59

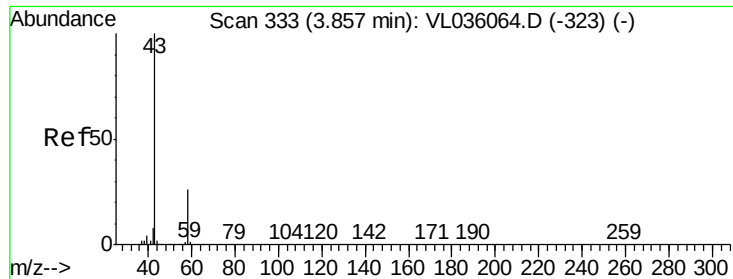
Tgt Ion: 45 Resp: 107002

Ion Ratio Lower Upper

45 100

46 51.4 19.0 75.8





#15

Acetone

Concen: 0.116 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.02 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Instrument :

MSVOA_X

ClientSampleId :

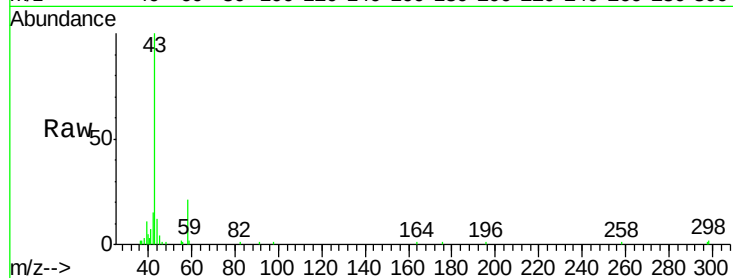
48-1DL2

Tgt Ion: 43 Resp: 17660

Ion Ratio Lower Upper

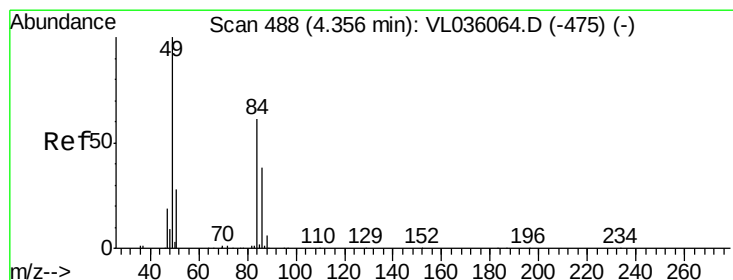
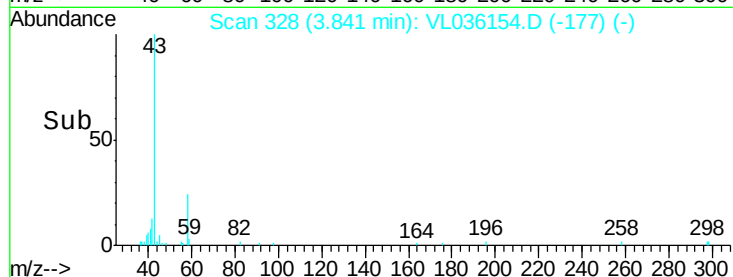
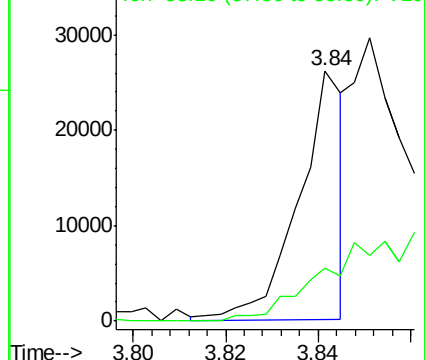
43 100

58 0.0 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: 0.097 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036154.D

Acq: 11 Dec 2020 7:59

Tgt Ion: 84 Resp: 6024

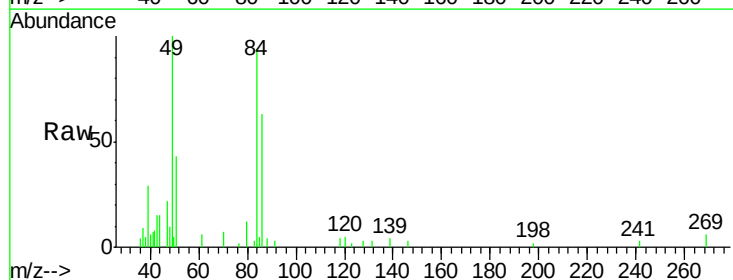
Ion Ratio Lower Upper

84 100

49 106.6 133.0 199.4#

51 38.3 38.9 58.3#

86 67.0 48.8 73.2

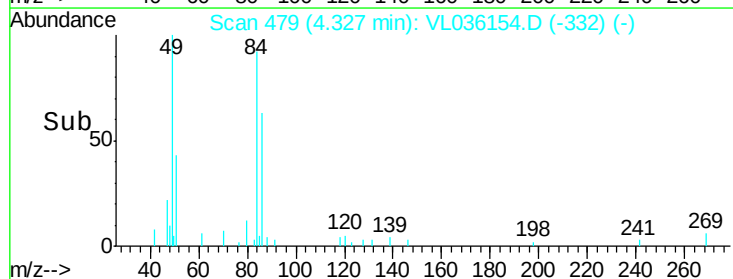
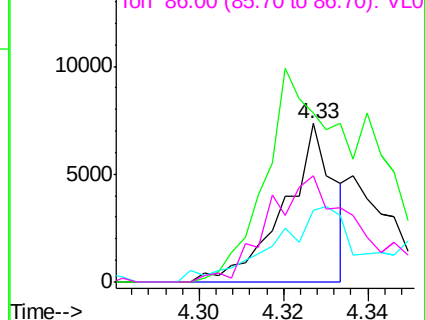


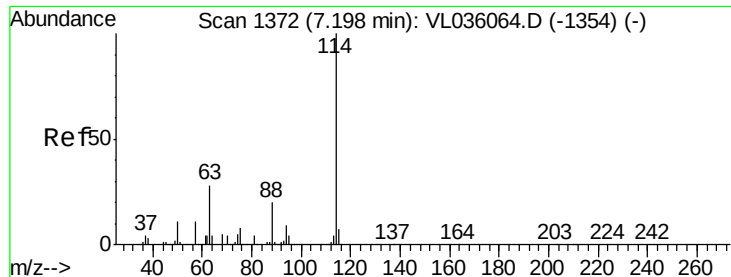
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

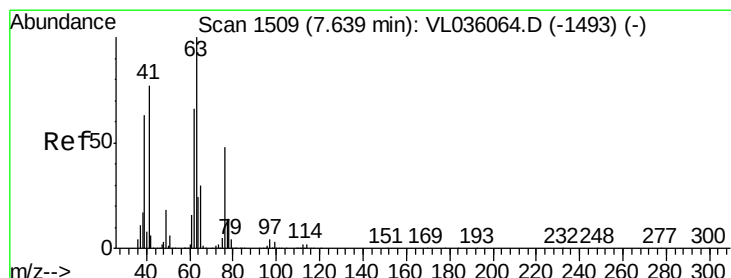
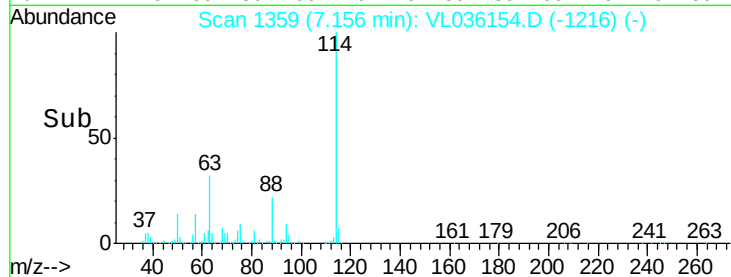
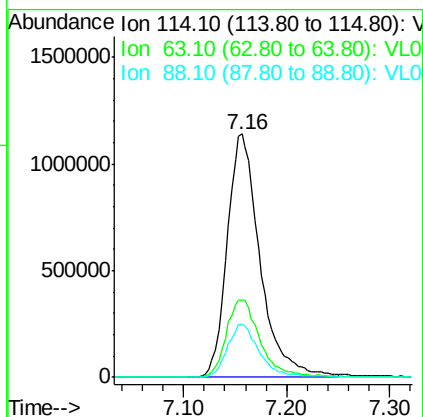
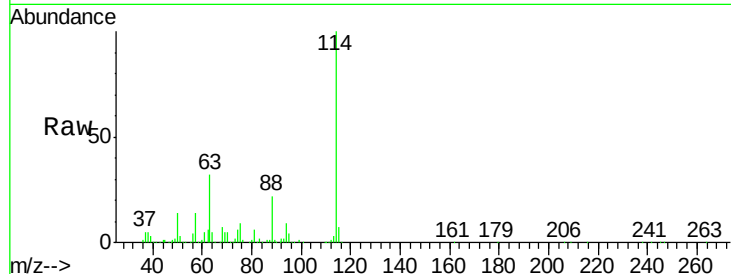




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

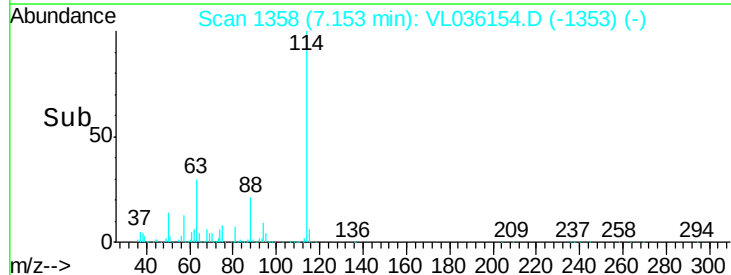
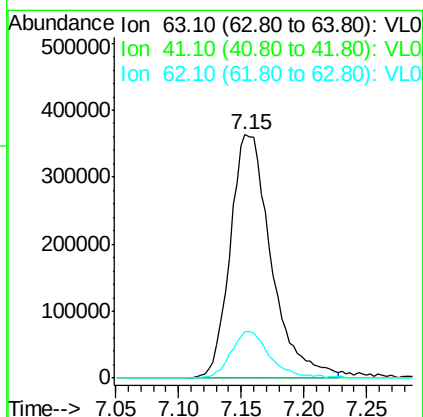
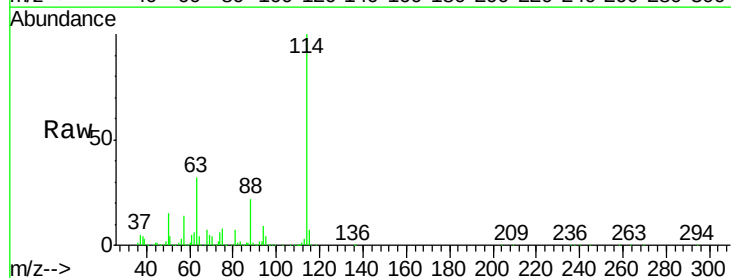
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 ClientSampled :
 48-1DL2

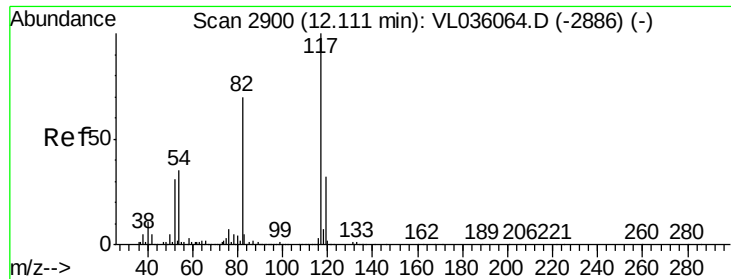
Tgt Ion: 114 Resp: 2535315
 Ion Ratio Lower Upper
 114 100
 63 33.2 23.6 35.4
 88 21.4 15.8 23.6



#39
 1,2-Dichloropropane
 Concen: 9.729 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.49 min
 Lab File: VL036154.D
 Acq: 11 Dec 2020 7:59

Tgt Ion: 63 Resp: 825521
 Ion Ratio Lower Upper
 63 100
 41 0.3 61.9 92.9#
 62 19.1 52.5 78.7#

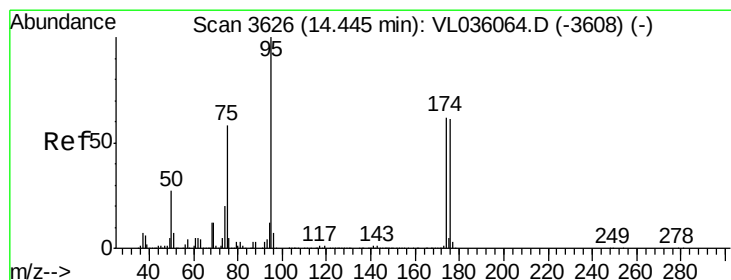
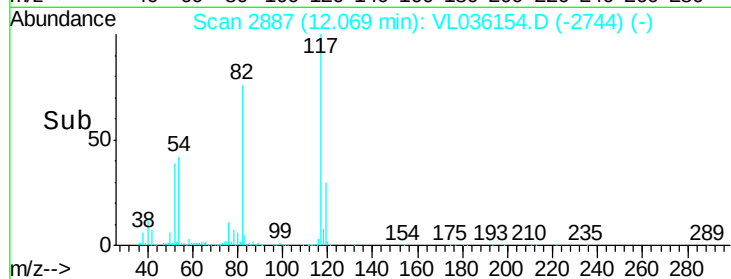
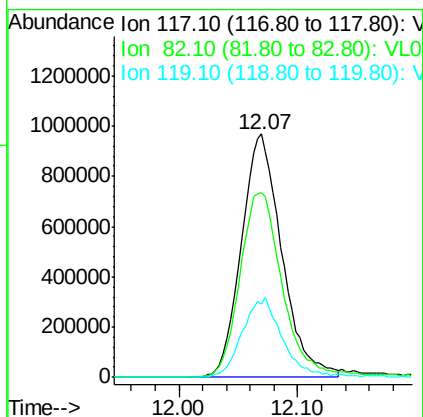
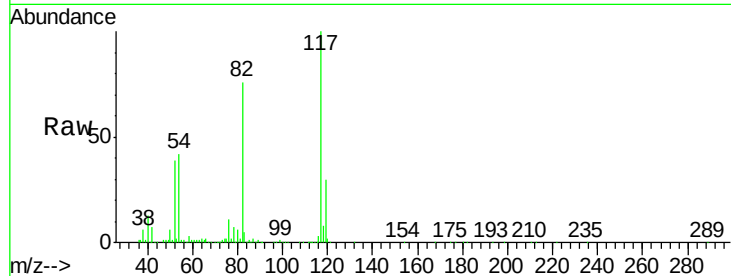




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Instrument :
MSVOA_X
ClientSampleId :
48-1DL2

Tgt Ion: 117 Resp: 2272428
Ion Ratio Lower Upper
117 100
82 81.9 0.0 0.0#
119 32.7 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 11.056 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.05 min
Lab File: VL036154.D
Acq: 11 Dec 2020 7:59

Tgt Ion: 95 Resp: 1995022
Ion Ratio Lower Upper
95 100
174 53.8 50.7 76.1
175 4.1 4.0 6.0

