

Data File : VL033981.D
Acq On : 26 Jun 2019 23:53
Operator : SY/AP
Sample : K3538-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SUB-SLABDL2

Quant Time: Jun 27 01:25:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	851331	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1886266	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1901178	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1596551	10.22	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

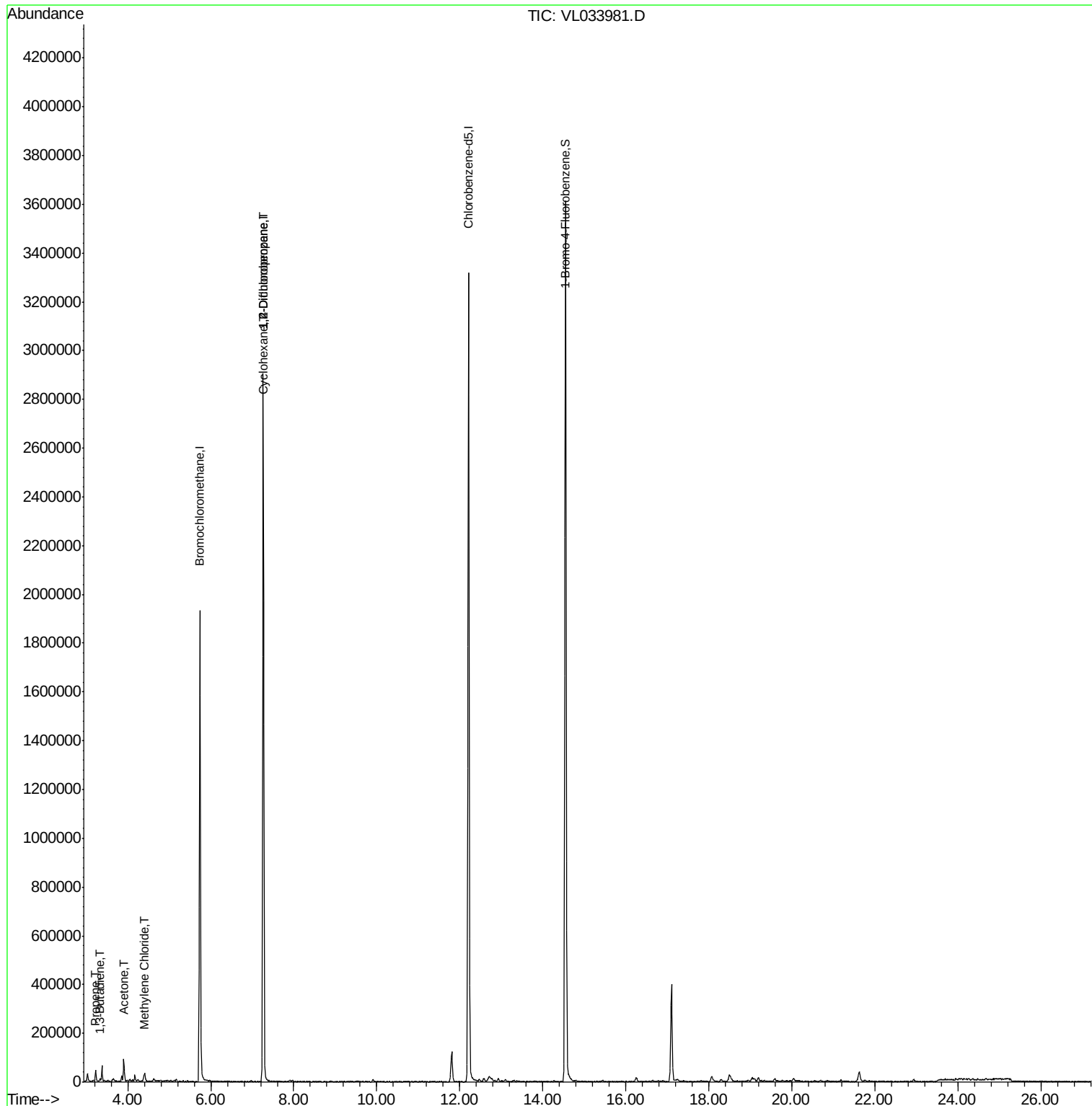
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.22	41	12045	0.321	ppbv	95
15) Acetone	3.90	43	47003	0.379	ppbv #	83
16) 1,3-Butadiene	3.33	39	2562	0.054	ppbv #	6
20) Methylene Chloride	4.39	84	5724	0.118	ppbv #	72
30) Cyclohexane	7.25	84	4351	0.072	ppbv #	1
39) 1,2-Dichloropropane	7.26	63	501843	9.024	ppbv #	26

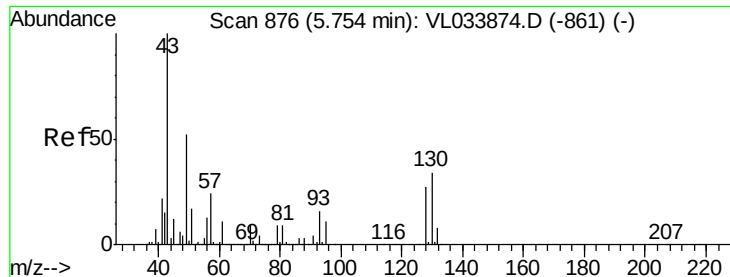
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.02 min

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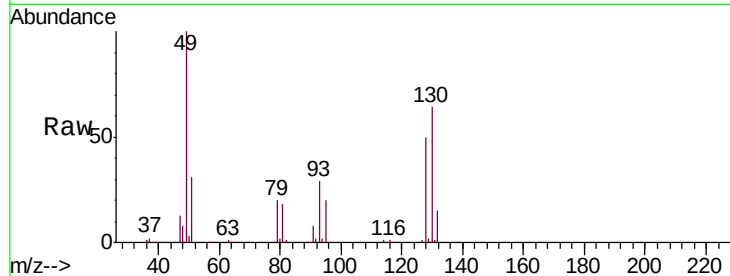
Tgt Ion: 49 Resp: 851331

Ion Ratio Lower Upper

49 100

128 49.8 25.5 76.5

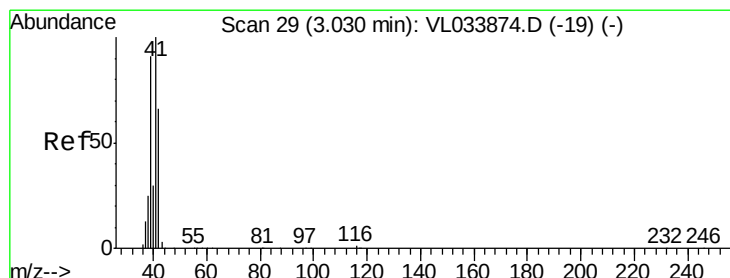
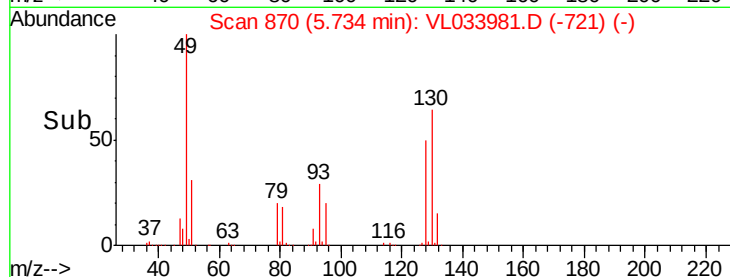
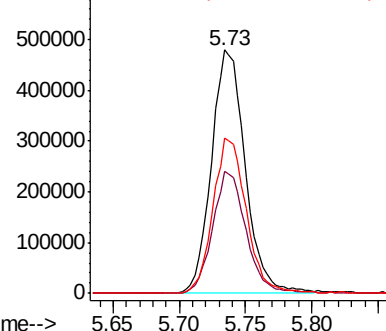
130 63.4 32.5 97.4



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



#9

Propene

Concen: 0.321 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.19 min

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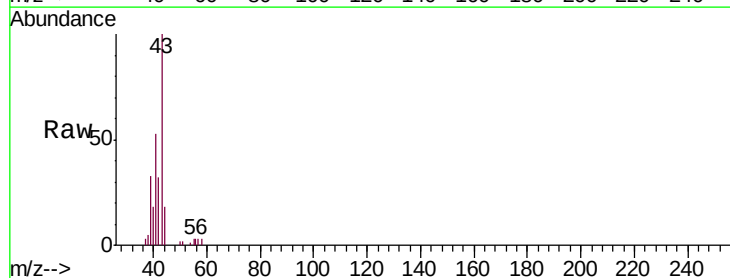
Acq: 26 Jun 2019 23:53

Tgt Ion: 41 Resp: 12045

Ion Ratio Lower Upper

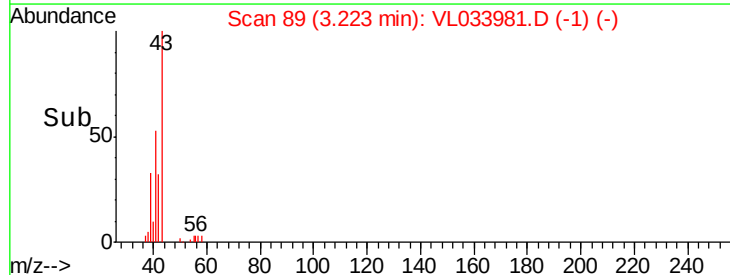
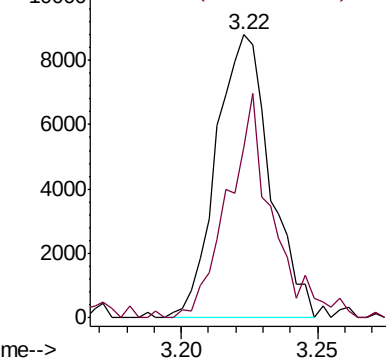
41 100

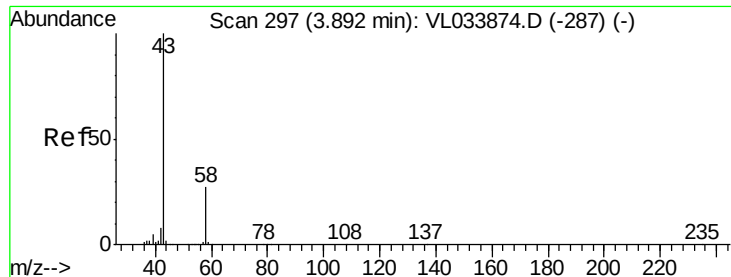
42 66.5 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.379 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

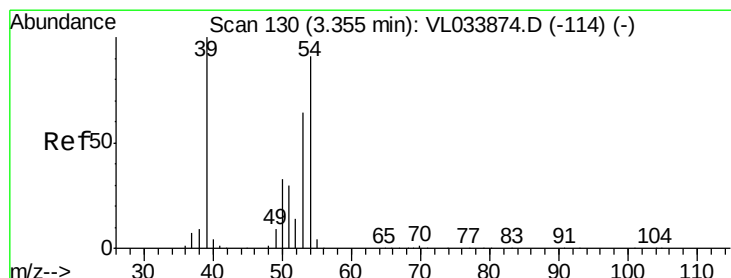
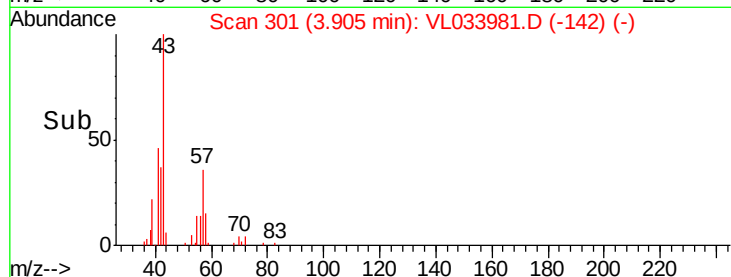
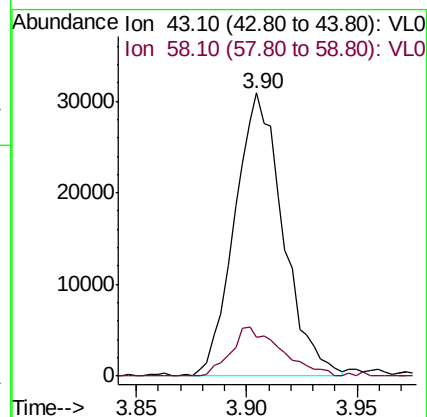
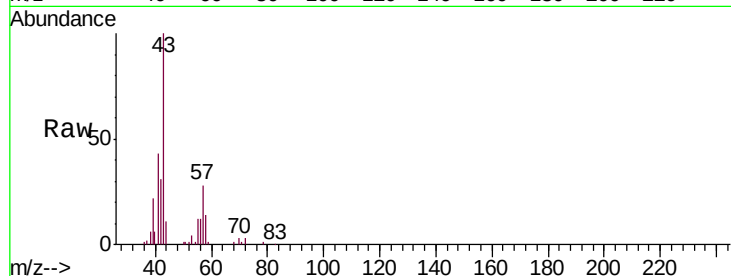
SUB-SLABDL2

Tgt Ion: 43 Resp: 47003

Ion Ratio Lower Upper

43 100

58 18.0 21.3 31.9#



#16

1,3-Butadiene

Concen: 0.054 ppbv

RT: 3.33 min Scan# 121

Delta R.T. -0.03 min

Lab File: VL033981.D

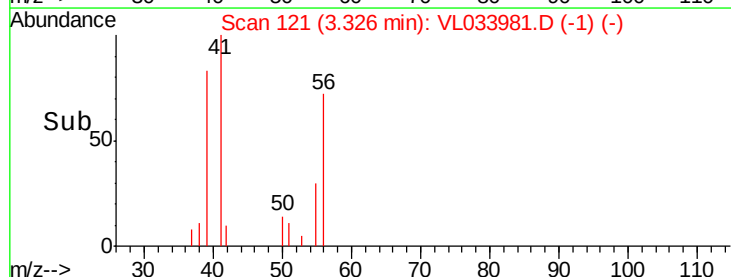
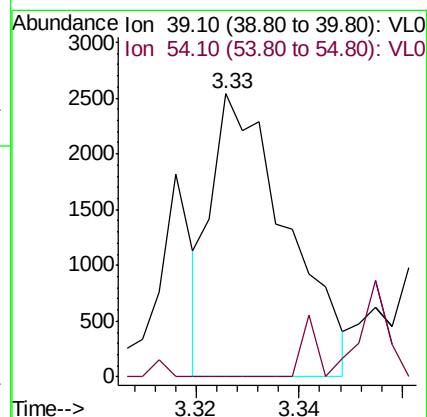
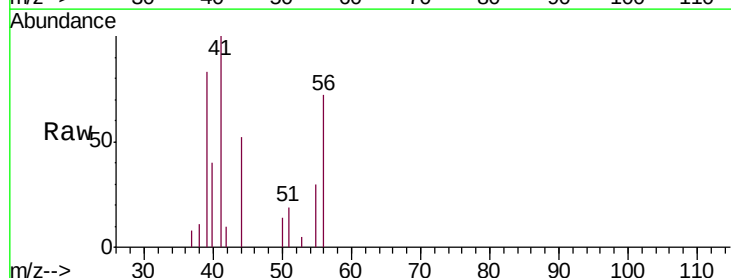
Acq: 26 Jun 2019 23:53

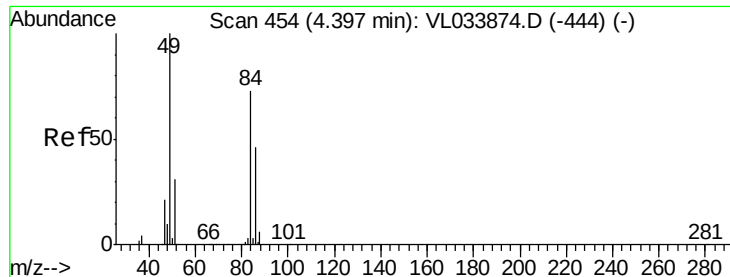
Tgt Ion: 39 Resp: 2562

Ion Ratio Lower Upper

39 100

54 0.0 68.6 103.0#





#20

Methylene Chloride

Concen: 0.118 ppbv

RT: 4.39 min Scan# 452

Delta R.T. -0.01 min

Lab File: VL033981.D

Acq: 26 Jun 2019 23:53

Instrument :

MSVOA_L

ClientSampleId :

SUB-SLABDL2

Tgt Ion: 84 Resp: 5724

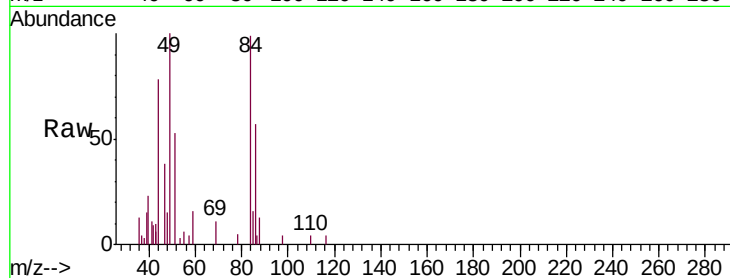
Ion Ratio Lower Upper

84 100

49 86.5 110.0 165.0#

51 40.8 34.6 51.8

86 53.0 50.6 75.8



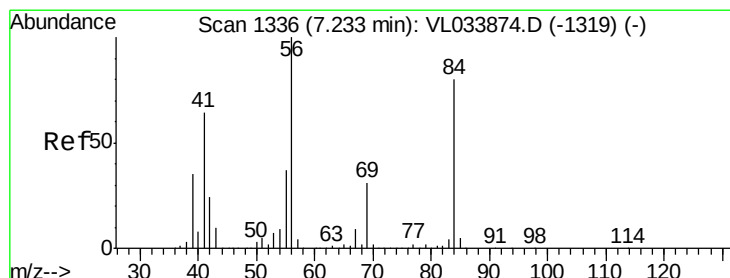
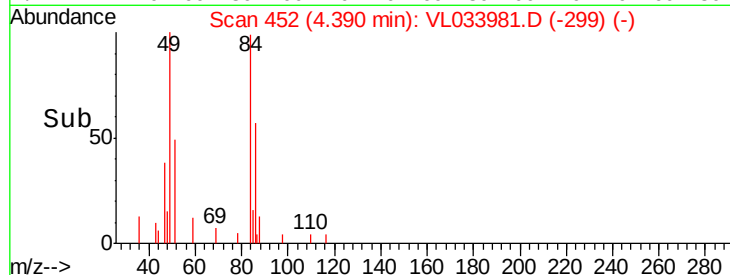
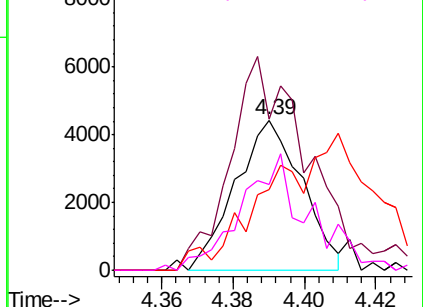
Abundance

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



#30

Cyclohexane

Concen: 0.072 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. 0.02 min

Lab File: VL033981.D

Acq: 26 Jun 2019 23:53

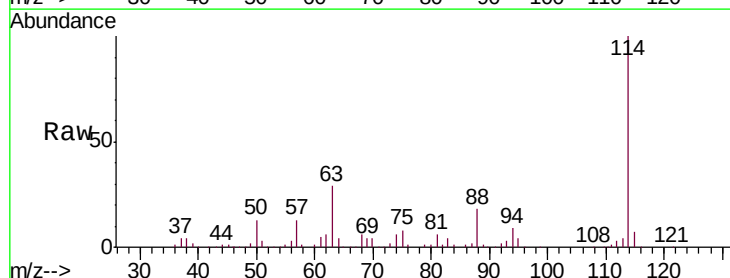
Tgt Ion: 84 Resp: 4351

Ion Ratio Lower Upper

84 100

56 0.0 105.8 158.8#

41 6.3 65.7 98.5#

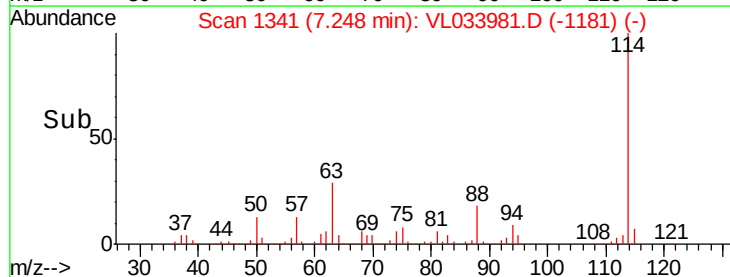
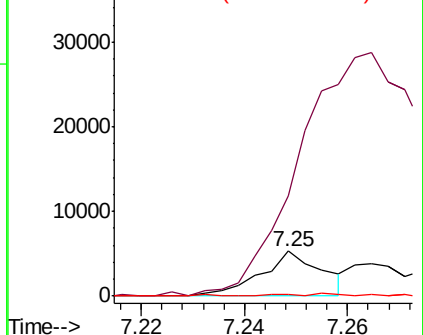


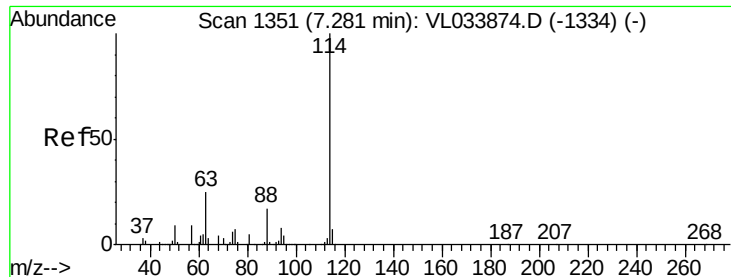
Abundance

Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

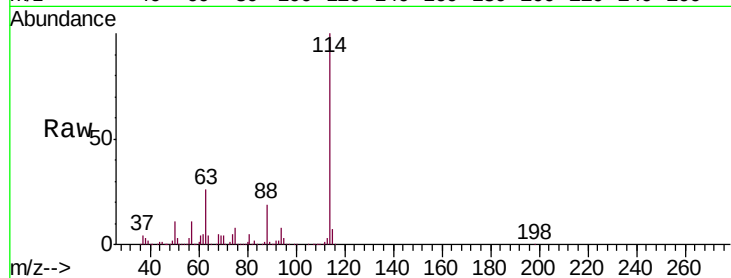




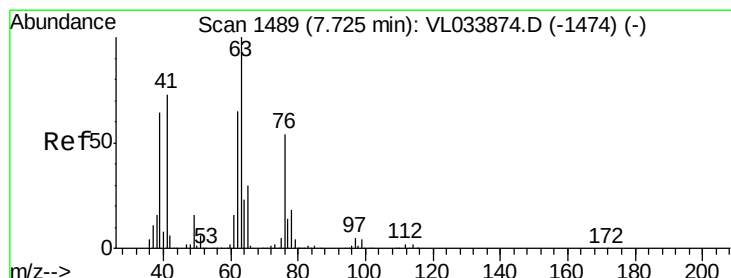
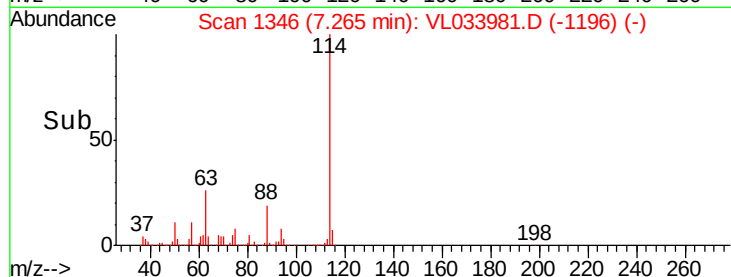
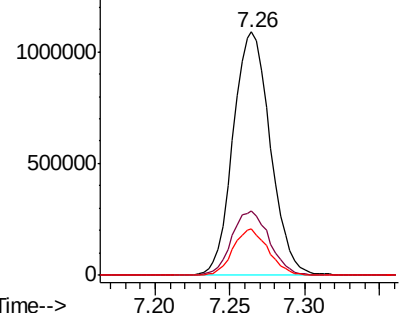
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033981.D
 Acq: 26 Jun 2019 23:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SUB-SLABDL2

Tgt Ion: 114 Resp: 1886266
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.1 31.7
 88 18.1 14.2 21.4

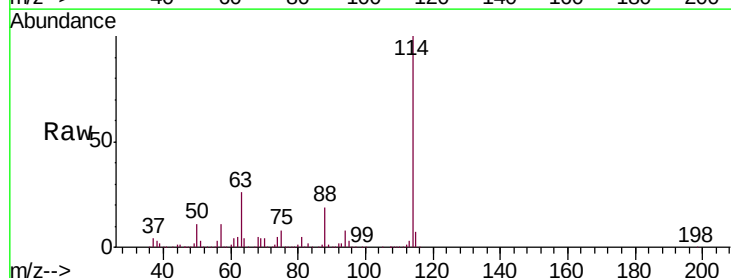


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

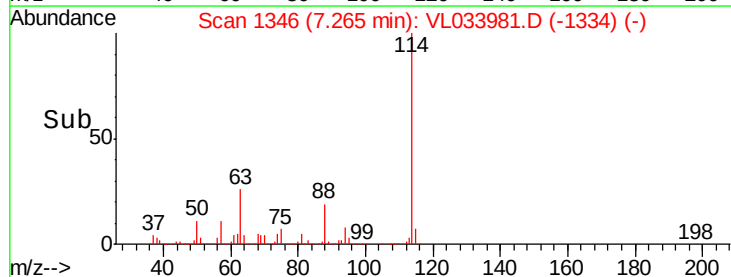
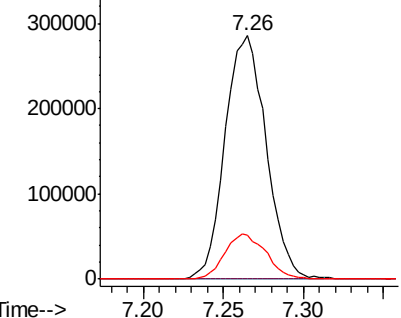


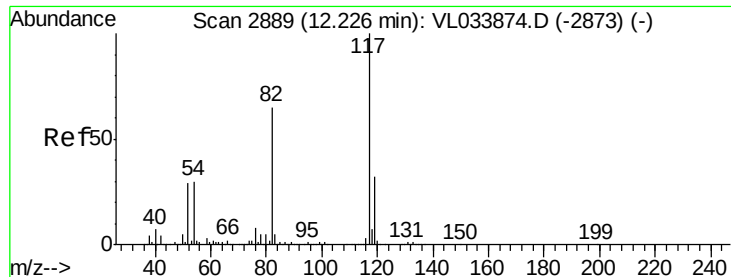
#39
 1,2-Dichloropropane
 Concen: 9.024 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.46 min
 Lab File: VL033981.D
 Acq: 26 Jun 2019 23:53

Tgt Ion: 63 Resp: 501843
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.7 88.1#
 62 17.9 51.9 77.9#



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

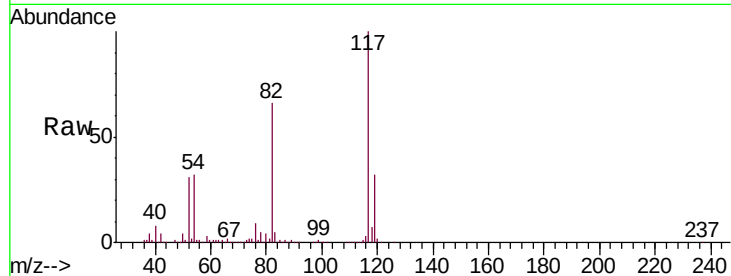




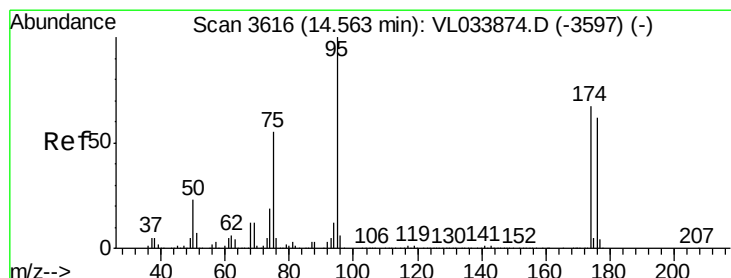
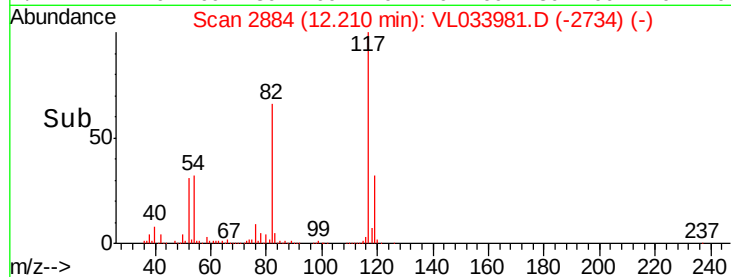
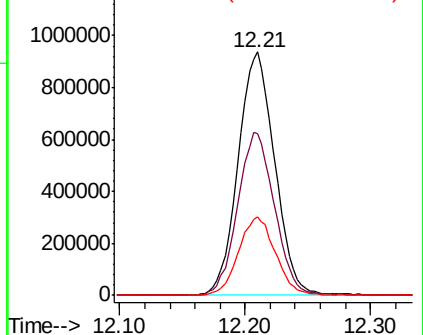
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033981.D
Acq: 26 Jun 2019 23:53

Instrument :
MSVOA_L
ClientSampleId :
SUB-SLABDL2

Tgt Ion: 117 Resp: 1901178
Ion Ratio Lower Upper
117 100
82 67.9 50.2 75.2
119 32.5 24.8 37.2

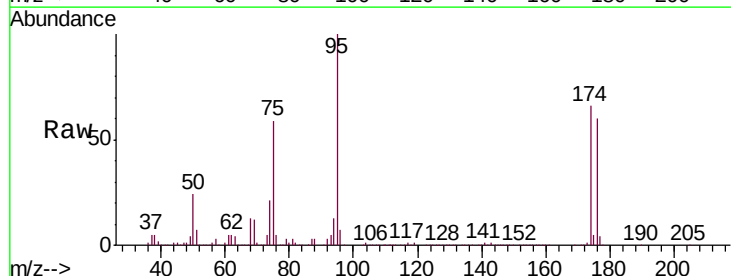


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.224 ppbv
RT: 14.54 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL033981.D
Acq: 26 Jun 2019 23:53

Tgt Ion: 95 Resp: 1596551
Ion Ratio Lower Upper
95 100
174 66.0 54.0 81.0
175 4.8 3.8 5.8



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

