

Data File : VL033886.D
Acq On : 7 Jun 2019 12:51
Operator : SY/AP
Sample : QC060619 CAN 10729
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC060619 CAN 10729

Quant Time: Jun 08 04:19:45 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	5.75	49	824971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1887185	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	1829581	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1533250	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

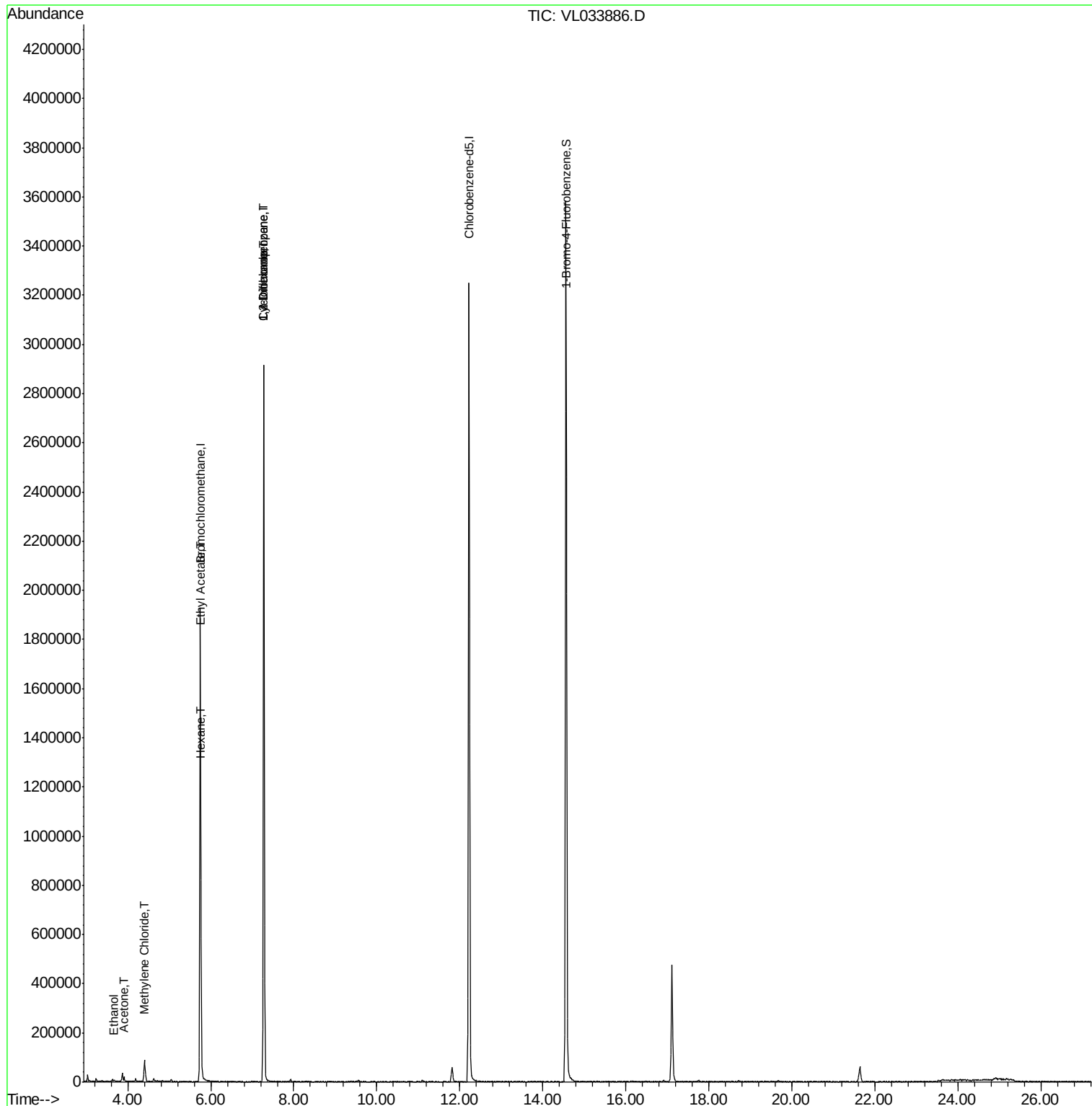
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.65	45	828	0.070	ppbv #	37
15) Acetone	3.91	43	15551	0.129	ppbv	95
20) Methylene Chloride	4.40	84	27705	0.590	ppbv #	91
25) Ethyl Acetate	5.76	43	6151	0.034	ppbv #	81
26) Hexane	5.77	57	9689	0.116	ppbv #	34
30) Cyclohexane	7.26	84	3512	0.060	ppbv #	1
39) 1,2-Dichloropropane	7.27	63	514149	9.241	ppbv #	25

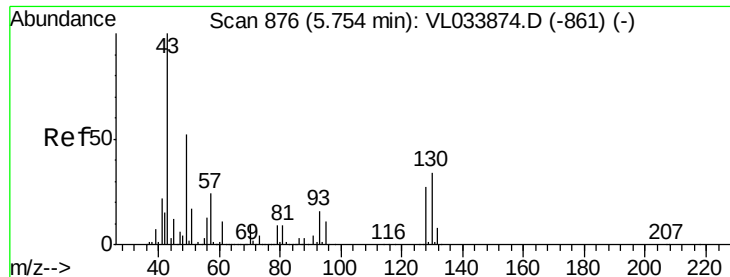
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033886.D

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Instrument :

MSVOA_L

ClientSampleId :

QC060619 CAN 10729

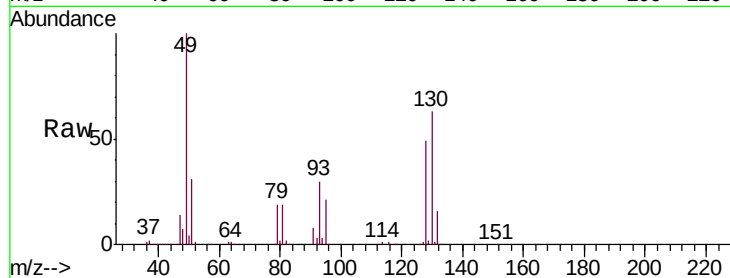
Tgt Ion: 49 Resp: 824971

Ion Ratio Lower Upper

49 100

128 49.5 25.5 76.5

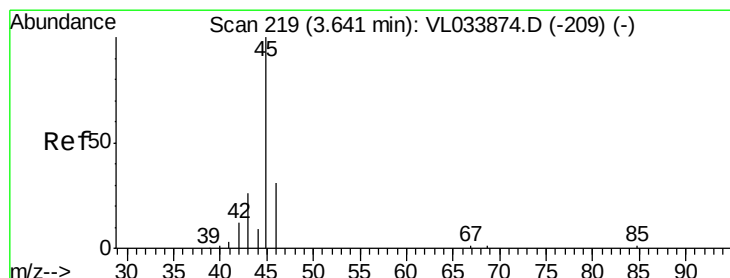
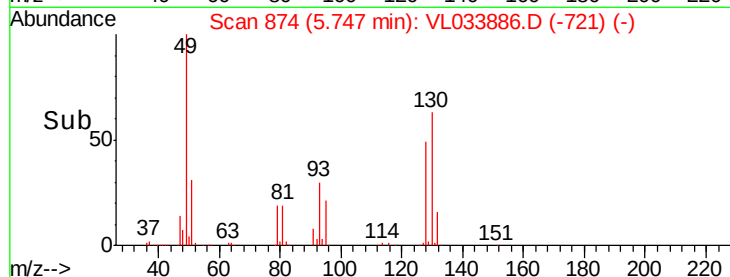
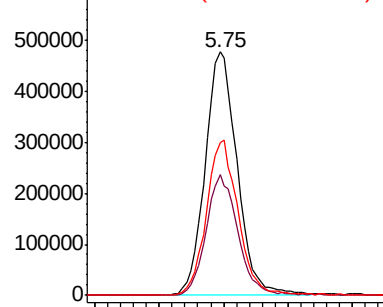
130 63.5 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.070 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033886.D

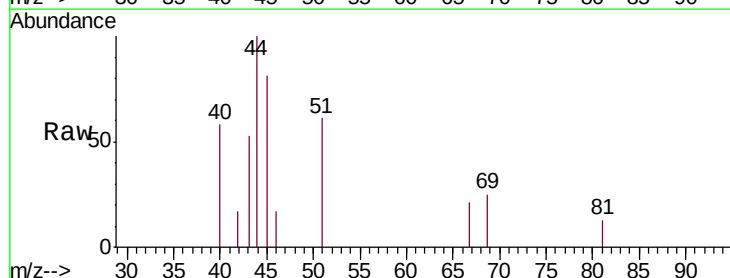
Acq: 7 Jun 2019 12:51

Tgt Ion: 45 Resp: 828

Ion Ratio Lower Upper

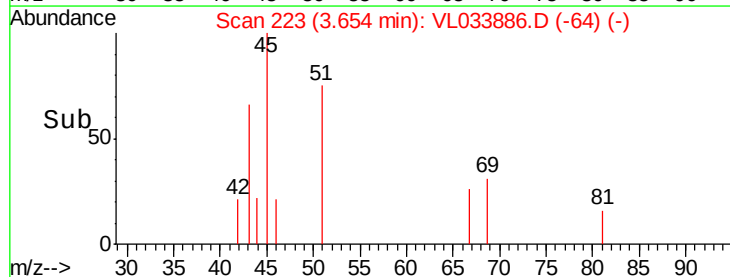
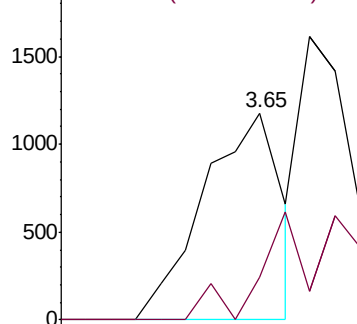
45 100

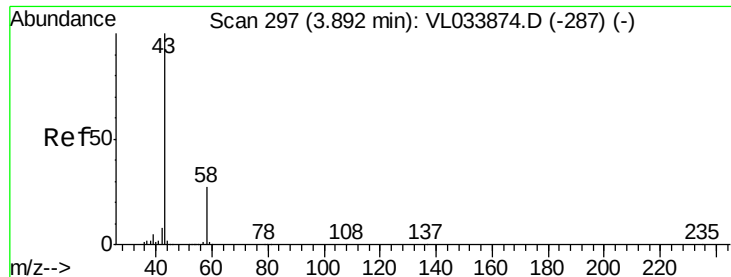
46 0.0 15.3 61.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

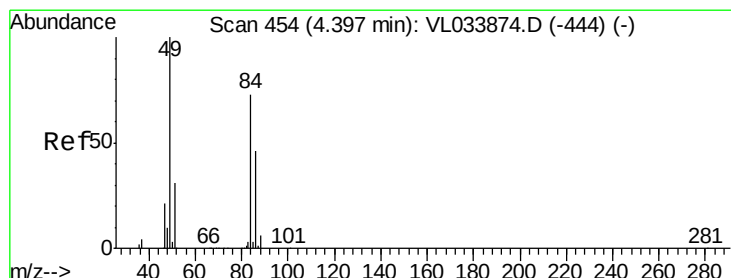
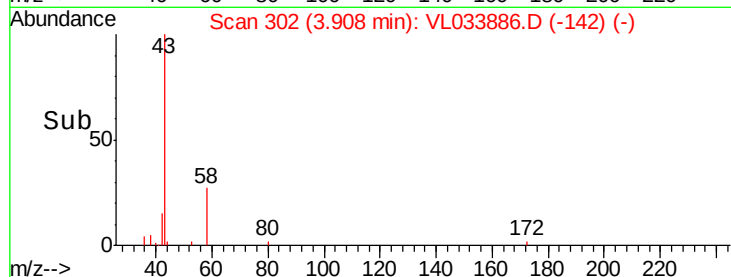
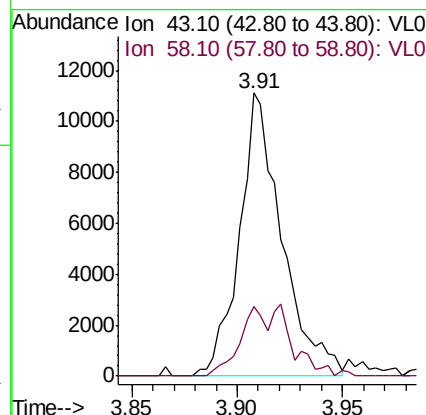
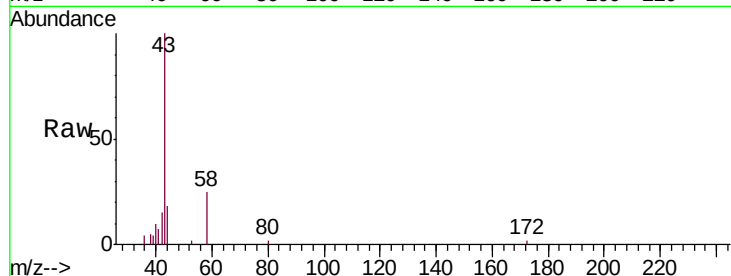




#15
Acetone
Concen: 0.129 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL033886.D
Acq: 7 Jun 2019 12:51

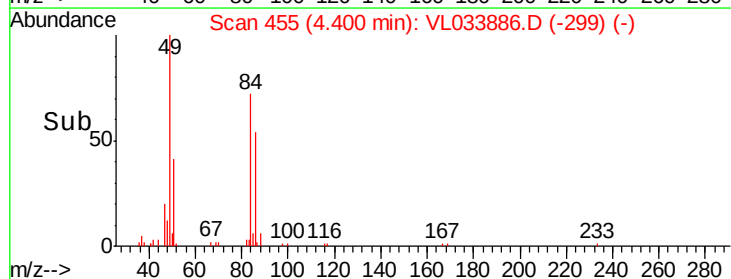
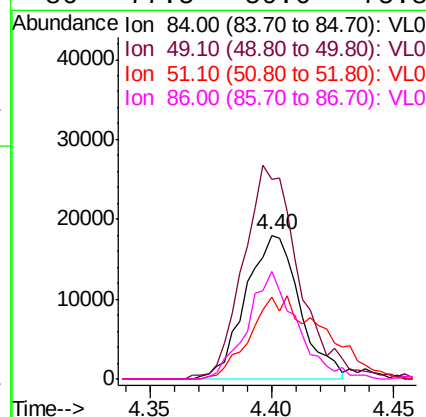
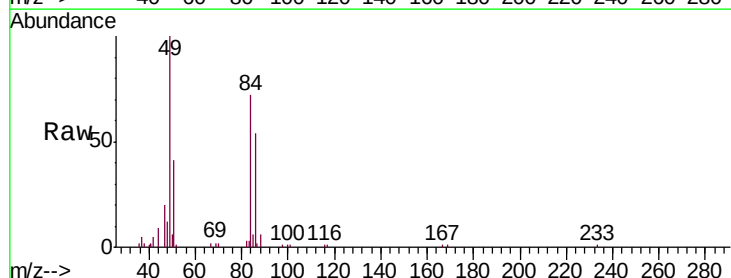
Instrument :
MSVOA_L
ClientSampleId :
QC060619 CAN 10729

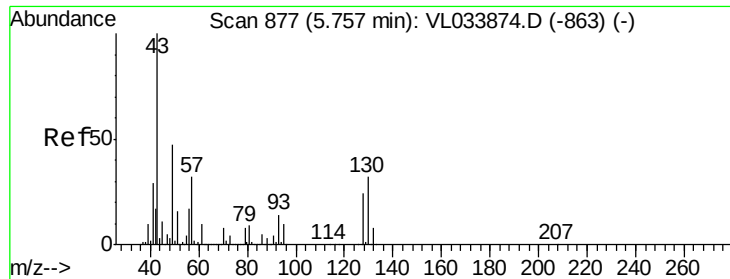
Tgt Ion: 43 Resp: 15551
Ion Ratio Lower Upper
43 100
58 29.2 21.3 31.9



#20
Methylene Chloride
Concen: 0.590 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033886.D
Acq: 7 Jun 2019 12:51

Tgt Ion: 84 Resp: 27705
Ion Ratio Lower Upper
84 100
49 135.8 110.0 165.0
51 56.9 34.6 51.8#
86 77.5 50.6 75.8#





#25

Ethyl Acetate

Concen: 0.034 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033886.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

QC060619 CAN 10729

Tgt Ion: 43 Resp: 6151

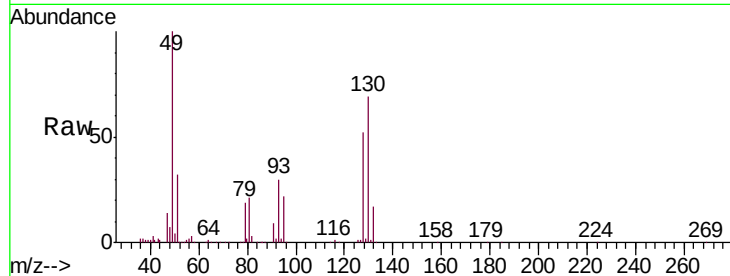
Ion Ratio Lower Upper

43 100

45 4.8 7.9 11.9#

61 0.0 7.8 11.6#

70 1.2 5.8 8.6#

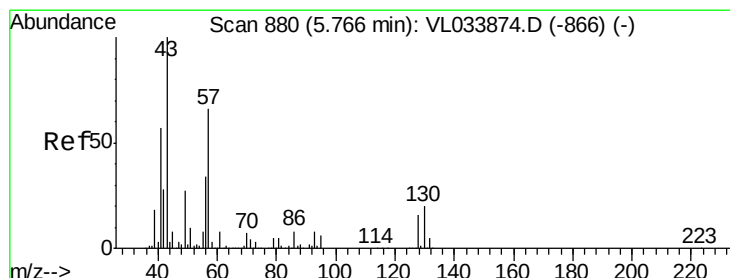
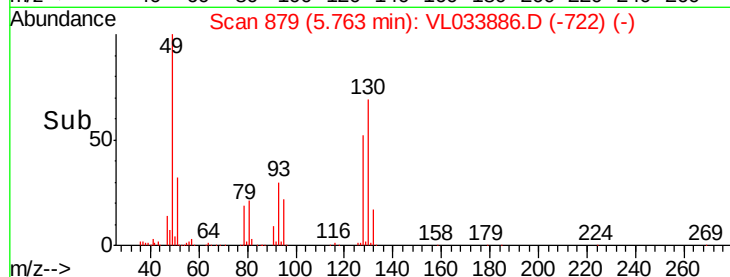
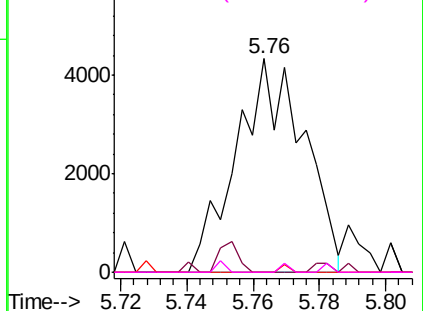


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.116 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033886.D

Acq: 7 Jun 2019 12:51

Tgt Ion: 57 Resp: 9689

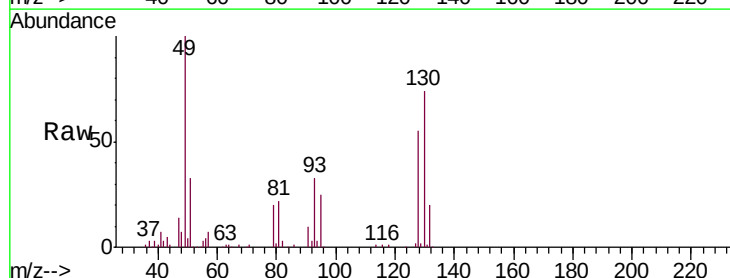
Ion Ratio Lower Upper

57 100

41 108.9 71.4 107.2#

43 68.5 183.7 275.5#

56 56.8 42.7 64.1

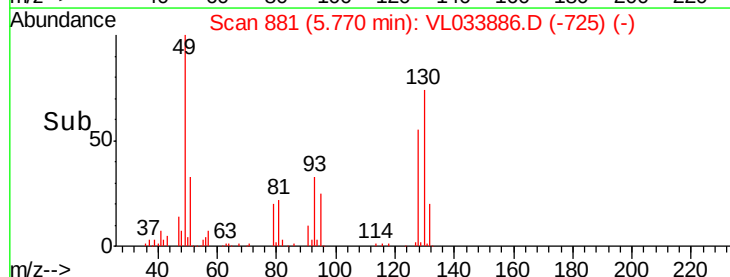
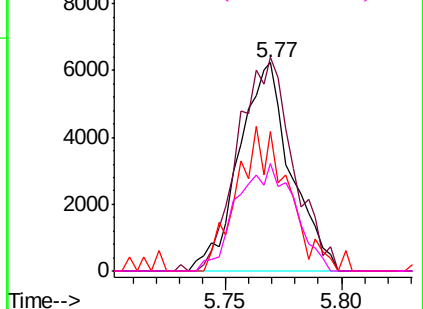


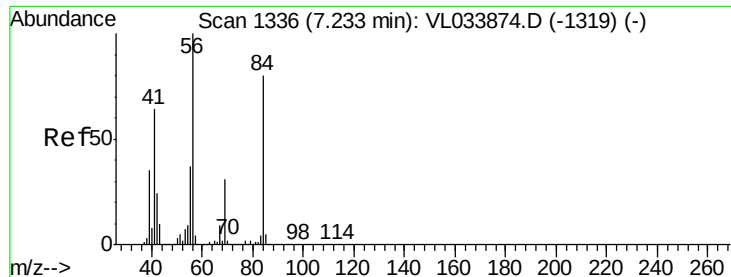
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

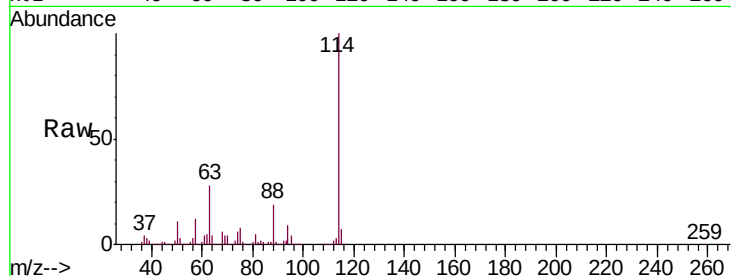




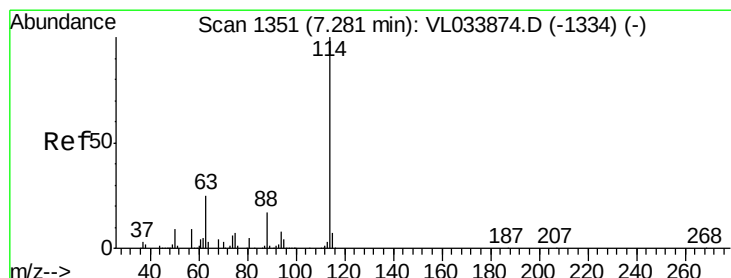
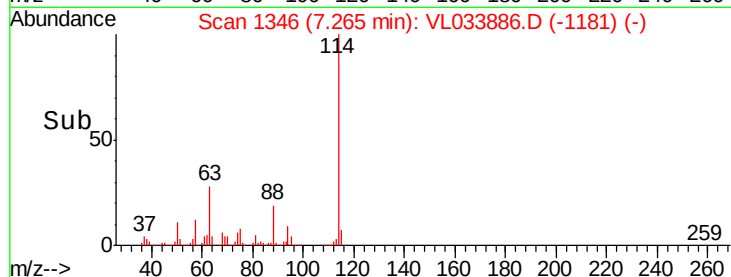
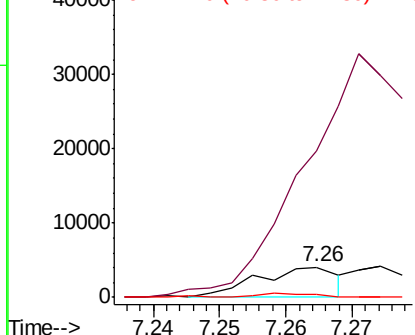
#30
Cyclohexane
Concen: 0.060 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.03 min
Lab File: VL033886.D
Acq: 7 Jun 2019 12:51

Instrument :
MSVOA_L
ClientSampleId :
QC060619 CAN 10729

Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 9.6 65.7 98.5#

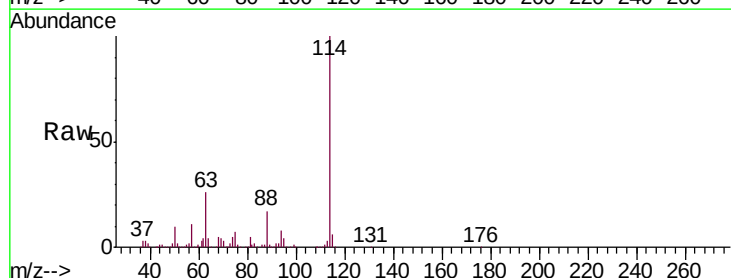


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

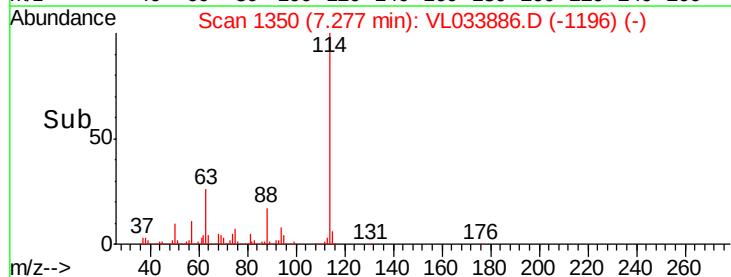
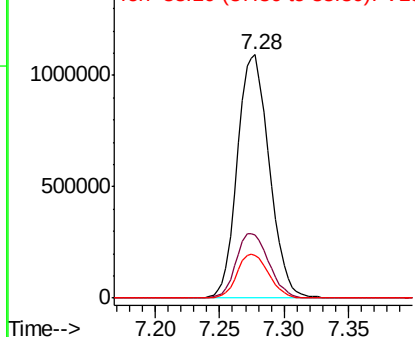


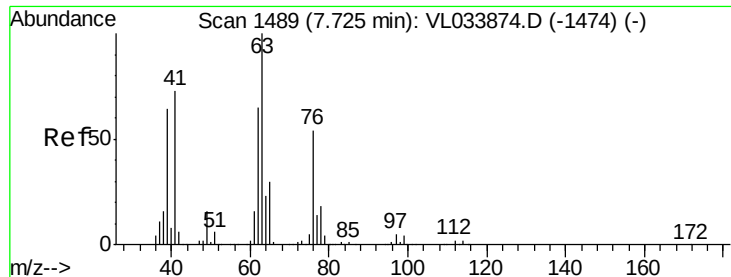
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL033886.D
Acq: 7 Jun 2019 12:51

Tgt Ion: 114 Resp: 1887185
Ion Ratio Lower Upper
114 100
63 27.3 21.1 31.7
88 18.0 14.2 21.4



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

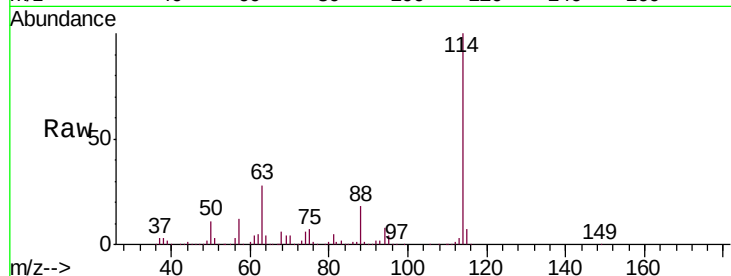




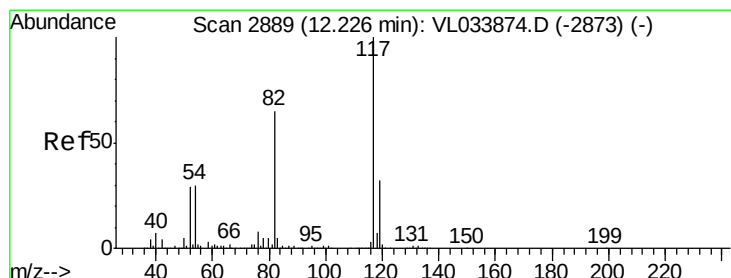
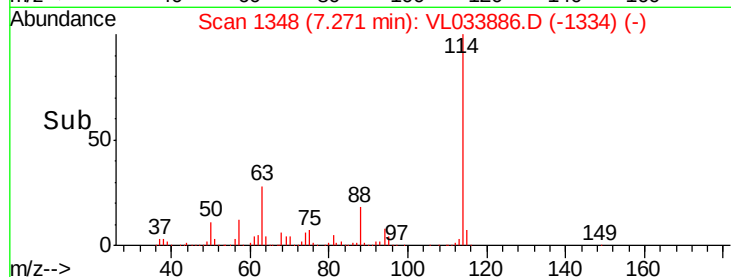
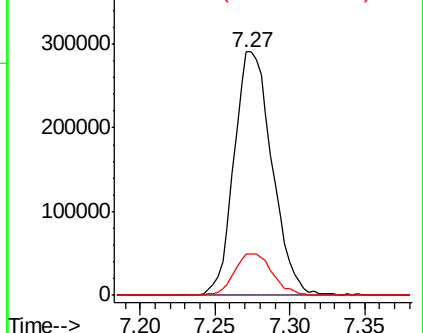
#39
 1,2-Dichloropropane
 Concen: 9.241 ppbv
 RT: 7.27 min Scan# 1348
 Delta R.T. -0.45 min
 Lab File: VL033886.D
 Acq: 7 Jun 2019 12:51

Instrument :
 MSVOA_L
 ClientSampleId :
 QC060619 CAN 10729

Tgt Ion: 63 Resp: 514149
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.7 88.1#
 62 16.8 51.9 77.9#

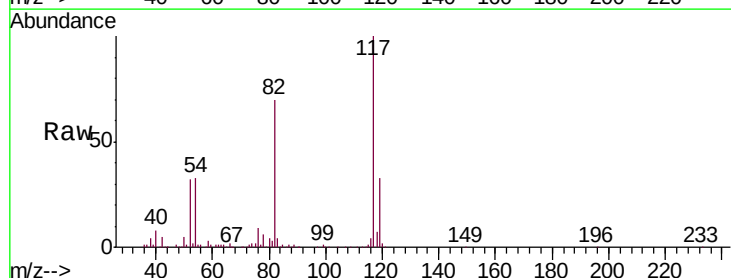


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

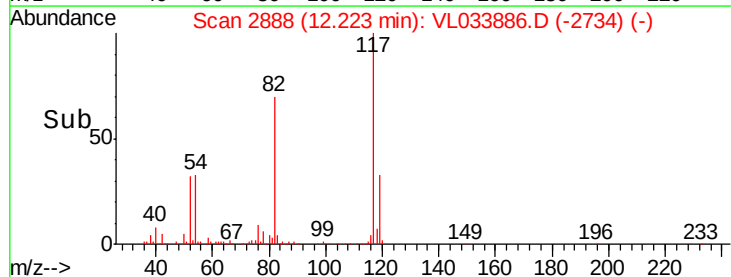
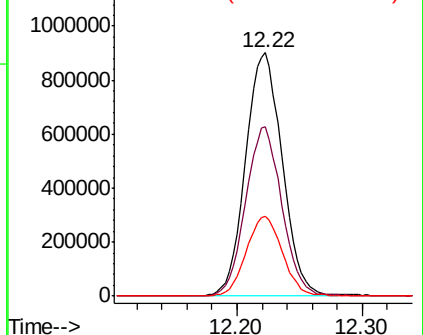


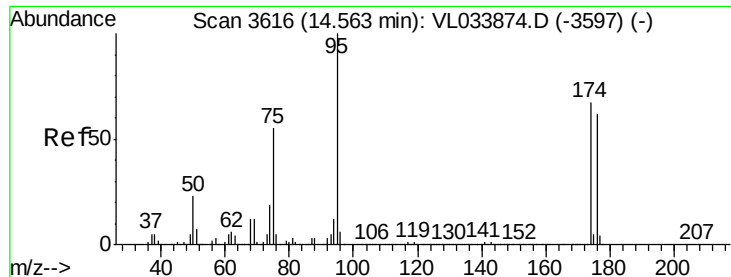
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.22 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VL033886.D
 Acq: 7 Jun 2019 12:51

Tgt Ion: 117 Resp: 1829581
 Ion Ratio Lower Upper
 117 100
 82 69.0 50.2 75.2
 119 32.4 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: 10.203 ppbv

RT: 14.56 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL033886.D

Acq: 7 Jun 2019 12:51

Instrument :

MSVOA_L

ClientSampleId :

QC060619 CAN 10729

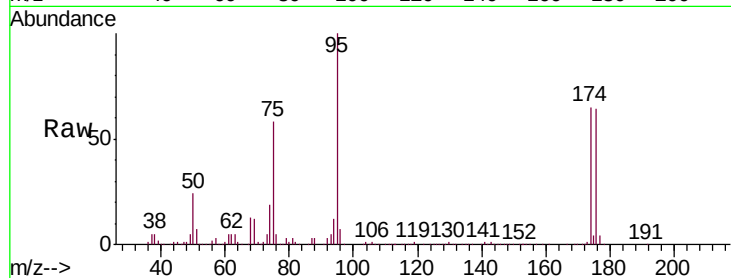
Tgt Ion: 95 Resp: 1533250

Ion Ratio Lower Upper

95 100

174 65.4 54.0 81.0

175 4.6 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

